

# Chronic Condition Warehouse

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**Chronic Condition Warehouse**

**CODEBOOK:**  
**Master Beneficiary Summary File (MBSF)**  
**National Death Index (NDI) Segment**

FEBRUARY 2021 | VERSION 2.3

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## Revision Log

Date	Changed by	Revisions	Version
February 2021	C. Alleman K. Russell	Migrated codebook to 2020 document template	2.3
November 2018	C. Alleman K. Schneider	Inserted statement re: missing data for ICD_CODE_358 and ICD_CODE_113	2.2
June 2018	C. Alleman	Updated values for ICD_CODE_113, ICD_CODE_130, and ICD_CODE_358	2.1
March 2018	C. Alleman K. Schneider S. Pietzsch	Added new variables received with second purchase of NDI data	2.0
May 2017	C. Alleman K. Schneider	Initial release of codebook for Master Beneficiary Summary File (MBSF) — National Death Index (NDI) Segment	1.0

## Tips on Navigating the Codebook

This document is a detailed codebook that describes each variable in the Medicare Beneficiary Summary File (MBSF) — National Death Index (NDI) Segment research files. We have included several ways for users to quickly find 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 have 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.

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## Variable Details

This section of the Codebook contains one entry for each variable in the Medicare Beneficiary Summary File (MBSF) National Death Index (NDI) segment files. Each entry has variable details to facilitate understanding and use of the variables.

### **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 Enrollment Database (EDB)

**VALUES:** 1999–2016

**COMMENT:** The data files are partitioned into calendar year files.

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## **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, MDS assessment data).

This number does not change during a beneficiary's lifetime and each number is used 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:** —

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## DEATH\_CERT\_NUM

**LABEL:** NDI Death Certificate Number

**DESCRIPTION:** This field represents the death certificate number of the beneficiary.

**SHORT NAME:** DEATH\_CERT\_NUM

**LONG NAME:** DEATH\_CERT\_NUM

**TYPE:** CHAR

**LENGTH:** 6

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:** —

**COMMENT:** Numbers are not unique across years. Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## 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 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.

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ENTITY\_COND\_1  
ENTITY\_COND\_2  
ENTITY\_COND\_3  
ENTITY\_COND\_4  
ENTITY\_COND\_5  
ENTITY\_COND\_6  
ENTITY\_COND\_7  
ENTITY\_COND\_8  
ENTITY\_COND\_9  
ENTITY\_COND\_10

ENTITY\_COND\_11  
ENTITY\_COND\_12  
ENTITY\_COND\_13  
ENTITY\_COND\_14  
ENTITY\_COND\_15  
ENTITY\_COND\_16  
ENTITY\_COND\_17  
ENTITY\_COND\_18  
ENTITY\_COND\_19  
ENTITY\_COND\_20

**LABEL:** NDI Entity Axis Cause of Death

**DESCRIPTION:** This field identifies the underlying causes of death code as listed by the certifier of death (formatted but not audited).

**SHORT NAME:**

ENTITY\_COND\_1  
ENTITY\_COND\_2  
ENTITY\_COND\_3  
ENTITY\_COND\_4  
ENTITY\_COND\_5  
ENTITY\_COND\_6  
ENTITY\_COND\_7  
ENTITY\_COND\_8  
ENTITY\_COND\_9  
ENTITY\_COND\_10

ENTITY\_COND\_11  
ENTITY\_COND\_12  
ENTITY\_COND\_13  
ENTITY\_COND\_14  
ENTITY\_COND\_15  
ENTITY\_COND\_16  
ENTITY\_COND\_17  
ENTITY\_COND\_18  
ENTITY\_COND\_19  
ENTITY\_COND\_20

**LONG NAME:**

ENTITY\_COND\_1  
ENTITY\_COND\_2  
ENTITY\_COND\_3  
ENTITY\_COND\_4  
ENTITY\_COND\_5  
ENTITY\_COND\_6  
ENTITY\_COND\_7  
ENTITY\_COND\_8  
ENTITY\_COND\_9  
ENTITY\_COND\_10

ENTITY\_COND\_11  
ENTITY\_COND\_12  
ENTITY\_COND\_13  
ENTITY\_COND\_14  
ENTITY\_COND\_15  
ENTITY\_COND\_16  
ENTITY\_COND\_17  
ENTITY\_COND\_18  
ENTITY\_COND\_19  
ENTITY\_COND\_20

**TYPE:** CHAR

**LENGTH:** 7

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:** Each condition takes seven positions in the record  
Position1: Part/line number on certificate  
1 = Part I, line 1 (a)  
2 = Part I, line 2 (b)  
3 = Part I, line 3 (c)  
4 = Part I, line 4 (d)  
5 = Part I, line 5 (e)  
6 = Part II

Position 2: Sequence of condition within part/line Code range 1–7

Position 3–6: Condition code (reference ICD-10 codes) whenever there is a 4-position code, there is always an implied decimal after the third position.

Position 7: Nature of Injury flag

0 = all other codes (always 0 for ICD-10 codes; 1999 forward)

**COMMENT:** For decedents 1999–2006 there are up to eight underlying conditions on the NDI record, and for 2007–2016 there are up to 20 underlying conditions (ENTITY\_COND\_1–ENTITY\_COND\_20). Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA. There is another version of the underlying cause of death conditions that is edited and audited by the National Center for Health Statistics (NCHS; reference RECORD\_COND\_1–RECORD\_COND\_20).

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## ICD\_CODE

**LABEL:** ICD-10 Cause of Death Code

**DESCRIPTION:** This field identifies only the ICD-10 diagnosis code associated with cause of death. The text descriptor for this code is in the field called ICD\_TITLE.

**SHORT NAME:** ICD\_CODE

**LONG NAME:** ICD\_CODE

**TYPE:** CHAR

**LENGTH:** 4

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:** —

**COMMENT:** All ICD-10 cause of death codes begin with an alpha character followed by two or three digits. NDI results do not include decimals in the cause of death codes. The decimal is implied between the second and third digits for ICD-10 codes. Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## ICD\_CODE\_113

**LABEL:** 113 ICD-10 Cause of Death Recodes

**DESCRIPTION:** This field groups (or recodes) the NDI ICD-10 code cause of death into 113 categories. The list reflects 113 selected causes of death and enterocolitis due to *Clostridium Difficile*.

**SHORT NAME:** ICD\_CODE\_113

**LONG NAME:** ICD\_CODE\_113

**TYPE:** CHAR

**LENGTH:** 3

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:**

001 = Salmonella infections (A01–A02)

002 = Shigellosis and amebiasis (A03,  
A06)

003 = Certain other intestinal infections  
(A04, A07–A09)

004 = Tuberculosis (A16–A19)

005 = Respiratory tuberculosis (A16)

006 = Other tuberculosis (A17–A19)

007 = Whooping cough (A37)

008 = Scarlet fever and erysipelas (A38,  
A46)

009 = Meningococcal infection (A39)

010 = Septicemia (A40–A41)

011 = Syphilis (A50–A53)

012 = Acute poliomyelitis (A80)

013 = Arthropod-borne viral  
encephalitis (A83–A84, A85.2)

014 = Measles (B05)

015 = Viral hepatitis (B15–B19)

016 = Human immunodeficiency virus  
(HIV) disease (B20–B24)

017 = Malaria (B50–B54)

018 = Other and unspecified infectious  
and parasitic diseases and their  
sequelae (A00, A05, A20–A36,  
A42–A44, A48–A49, A54–A79,  
A81–A82, A85.0–A85.1, A85.8,  
A86–B04, B06–B09, B25–B49,  
B55–B99)

019 = Malignant neoplasms (C00–C97)

020 = Malignant neoplasms of lip, oral  
cavity, and pharynx (C00–C14)

021 = Malignant neoplasm of  
esophagus (C15)

022 = Malignant neoplasm of stomach  
(C16)

023 = Malignant neoplasms of colon,  
rectum, and anus (C18–C21)

024 = Malignant neoplasms of liver and  
intrahepatic bile ducts (C22)

025 = Malignant neoplasm of pancreas  
(C25)

- 026 = Malignant neoplasm of larynx (C32)
- 027 = Malignant neoplasms of trachea, bronchus, and lung (C33–C34)
- 028 = Malignant melanoma of skin (C43)
- 029 = Malignant neoplasm of breast (C50)
- 030 = Malignant neoplasm of cervix uteri (C53)
- 031 = Malignant neoplasms of corpus uteri and uterus, part unspecified (C54–C55)
- 032 = Malignant neoplasm of ovary (C56)
- 033 = Malignant neoplasm of prostate (C61)
- 034 = Malignant neoplasms of kidney and renal pelvis (C64–C65)
- 035 = Malignant neoplasm of bladder (C67)
- 036 = Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70–C72)
- 037 = Malignant neoplasms of lymphoid, hematopoietic, and related tissue (C81–C96)
- 038 = Hodgkin's disease (C81)
- 039 = Non-Hodgkin's lymphoma (C82–C85)
- 040 = Leukemia (C91–C95)
- 041 = Multiple myeloma and immunoproliferative neoplasms (C88, C90)
- 042 = Other and unspecified malignant neoplasms of lymphoid, hematopoietic, and related tissue (C96)
- 043 = All other and unspecified malignant neoplasms (C17, C23–C24, C26–C31, C37–C41, C44–C49, C51–C52, C57–C60, C62–C63, C66, C68–C69, C73–C80, C97)
- 044 = In situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior (D00–D48)
- 045 = Anemias (D50–D64)
- 046 = Diabetes mellitus (E10–E14)
- 047 = Nutritional deficiencies (E40–E64)
- 048 = Malnutrition (E40–E46)
- 049 = Other nutritional deficiencies (E50–E64)
- 050 = Meningitis (G00, G03)
- 051 = Parkinson's disease (G20–G21)
- 052 = Alzheimer's disease (G30)
- 053 = Major cardiovascular diseases (I00–I78)
- 054 = Diseases of heart (I00–I09, I11, I13, I20–I51)
- 055 = Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)
- 056 = Hypertensive heart disease (I11)
- 057 = Hypertensive heart and renal disease (I13)
- 058 = Ischemic heart diseases (I20–I25)

- 059 = Acute myocardial infarction (I21–I22)
- 060 = Other acute ischemic heart diseases (I24)
- 061 = Other forms of chronic ischemic heart disease (I20, I25)
- 062 = Atherosclerotic cardiovascular disease, so described (I25.0)
- 063 = All other forms of chronic ischemic heart disease (I20, I25.1–I25.9)
- 064 = Other heart diseases (I26–I51)
- 065 = Acute and subacute endocarditis (I33)
- 066 = Diseases of pericardium and acute myocarditis (I30–I31, I40)
- 067 = Heart failure (I50)
- 068 = All other forms of heart disease (I26–I28, I34–I38, I42–I49, I51)
- 069 = Essential (primary) hypertension and hypertensive renal disease (I10, I12)
- 070 = Cerebrovascular diseases (I60–I69)
- 071 = Atherosclerosis (I70)
- 072 = Other diseases of circulatory system (I71–I78)
- 073 = Aortic aneurysm and dissection (I71)
- 074 = Other diseases of arteries, arterioles, and capillaries (I72–I78)
- 075 = Other disorders of circulatory system (I80–I99)
- 076 = Influenza and pneumonia (J10–J18)
- 077 = Influenza (J10–J11)
- 078 = Pneumonia (J12–J18)
- 079 = Other acute lower respiratory infections (J20–J22)
- 080 = Acute bronchitis and bronchiolitis (J20–J21)
- 081 = Unspecified acute lower respiratory infection (J22)
- 082 = Chronic lower respiratory diseases (J40–J47)
- 083 = Bronchitis, chronic and unspecified (J40–J42)
- 084 = Emphysema (J43)
- 085 = Asthma (J45–J46)
- 086 = Other chronic lower respiratory diseases (J44, J47)
- 087 = Pneumoconiosis and chemical effects (J60–J66, J68)
- 088 = Pneumonitis due to solids and liquids (J69)
- 089 = Other diseases of respiratory system (J00–J06, J30–J39, J67, J70–J98)
- 090 = Peptic ulcer (K25–K28)
- 091 = Diseases of appendix (K35–K38)
- 092 = Hernia (K40–K46)
- 093 = Chronic liver disease and cirrhosis (K70, K73–K74)
- 094 = Alcoholic liver disease (K70)
- 095 = Other chronic liver disease and cirrhosis (K73–K74)



- 096 = Cholelithiasis and other disorders of gallbladder (K80–K82)
- 097 = Nephritis, nephrotic syndrome, and nephrosis (N00–N07, N17–N19, N25–N27)
- 098 = Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01, N04)
- 099 = Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02–N03, N05–N07, N26)
- 100 = Renal failure (N17–N19)
- 101 = Other disorders of kidney (N25, N27)
- 102 = Infections of kidney (N10–N12, N13.6, N15.1)
- 103 = Hyperplasia of prostate (N40)
- 104 = Inflammatory diseases of female pelvic organs (N70–N76)
- 105 = Pregnancy, childbirth, and the puerperium (O00–O99)
- 106 = Pregnancy with abortive outcome (O00–O07)
- 107 = Other complications of pregnancy, childbirth, and the puerperium (O10–O99)
- 108 = Certain conditions originating in the perinatal period (P00–P96)
- 109 = Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
- 110 = Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)
- 111 = All other diseases (Residual) (D65–E07, E15–E34, E65–F99, G04–G12, G23–G25, G31–H93, K00–K22, K29–K31, K50–K66, K71–K72, K75–K76, K83–M99, N13.0–N13.5, N13.7–N13.9, N14, N15.0, N15.8–N15.9, N20–N23, N28–N39, N41–N64, N80–N98)
- 112 = Accidents (unintentional injuries) (V01–X59, Y85–Y86)
- 113 = Transport accidents (V01–V99, Y85)
- 114 = Motor vehicle accidents (V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)
- 115 = Other land transport accidents (V01, V05–V06, V09.1, V09.3–V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3, V89.9)
- 116 = Water, air and space, and other and unspecified transport accidents and their sequelae (V90–V99, Y85)
- 117 = Nontransport accidents (W00–X59, Y86)
- 118 = Falls (W00–W19)
- 119 = Accidental discharge of firearms (W32–W34)

- 120 = Accidental drowning and submersion (W65–W74)
- 121 = Accidental exposure to smoke, fire, and flames (X00–X09)
- 122 = Accidental poisoning and exposure to noxious substances (X40–X49)
- 123 = Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)
- 124 = Intentional self-harm (suicide) (\*U03, X60–X84, Y87.0)
- 125 = Intentional self-harm (suicide) by discharge of firearms (X72–X74)
- 126 = Intentional self-harm (suicide) by other and unspecified means and their sequelae (\*U03, X60–X71, X75–X84, Y87.0)
- 127 = Assault (homicide) (\*U01–\*U02, X85–Y09, Y87.1)
- 128 = Assault (homicide) by discharge of firearms (\*U01.4, X93–X95)
- 129 = Assault (homicide) by other and unspecified means and their sequelae (\*U01.0–\*U01.3, \*U01.5–\*U01.9, \*U02, X85–X92, X96–Y09, Y87.1)
- 130 = Legal intervention (Y35, Y89.0)
- 131 = Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)
- 132 = Discharge of firearms, undetermined intent (Y22–Y24)
- 133 = Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9)
- 134 = Operations of war and their sequelae (Y36, Y89.1)
- 135 = Complications of medical and surgical care (Y40–Y84, Y88)

**COMMENT:** Additional information regarding these categories can be found on the CDC website (reference <https://www.cdc.gov/nchs/data/dvs/Part9InstructionManual2011.pdf>).

Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

**NOTE:** This field is not populated for a large proportion of 2008 records due to source data issues.

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## ICD\_CODE\_130

**LABEL:** 130 ICD-10 Cause of Death Recodes

**DESCRIPTION:** This field groups (or recodes) the NDI ICD-10 code cause of death into 130 categories. The list reflects 130 selected causes of infant death.

**SHORT NAME:** ICD\_CODE\_130

**LONG NAME:** ICD\_CODE\_130

**TYPE:** CHAR

**LENGTH:** 3

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:**

001 = Certain infectious and parasitic diseases (A00–B99)

002 = Certain intestinal infectious diseases (A00–A08)

003 = Diarrhea and gastroenteritis of infectious origin (A09)

004 = Tuberculosis (A16–A19)

005 = Tetanus (A33, A35)

006 = Diphtheria (A36)

007 = Whooping cough (A37)

008 = Meningococcal infection (A39)

009 = Septicemia (A40–A41)

010 = Congenital syphilis (A50)

011 = Gonococcal infection (A54)

012 = Viral diseases (A80–B34)

013 = Acute poliomyelitis (A80)

014 = Varicella (chickenpox) (B01)

015 = Measles (B05)

016 = Human immunodeficiency virus (HIV) disease (B20–B24)

017 = Mumps (B26)

018 = Other and unspecified viral diseases (A81–B00, B02–B04, B06–B19, B25, B27–B34)

019 = Candidiasis (B37)

020 = Malaria (B50–B54)

021 = Pneumocystosis (B59)

022 = All other and unspecified infectious and parasitic diseases (A20–A32, A38, A42–A49, A51–A53, A55–A79, B35–B36, B38–B49, B55–B58, B60–B99)

023 = Neoplasms (C00–D48)

024 = Malignant neoplasms (C00–C97)

025 = Hodgkin's disease and non-Hodgkin's lymphomas (C81–C85)

026 = Leukemia (C91–C95)

027 = Other and unspecified malignant neoplasms (C00–C80, C88, C90, C96–C97)

028 = In situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior (D00–D48)

- 029 = Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)
- 030 = Anemias (D50–D64)
- 031 = Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65–D76)
- 032 = Certain disorders involving the immune mechanism (D80–D89)
- 033 = Endocrine, nutritional, and metabolic diseases (E00–E88)
- 034 = Short stature, not elsewhere classified (E34.3)
- 035 = Nutritional deficiencies (E40–E64)
- 036 = Cystic fibrosis (E84)
- 037 = Volume depletion, disorders of fluid, electrolyte, and acid-base balance (E86–E87)
- 038 = All other endocrine, nutritional and metabolic diseases (E00–E32, E34.0–E34.2, E34.4–E34.9, E65–E83, E85, E88)
- 039 = Diseases of the nervous system (G00–G98)
- 040 = Meningitis (G00, G03)
- 041 = Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)
- 042 = Infantile cerebral palsy (G80)
- 043 = Anoxic brain damage, not elsewhere classified (G93.1)
- 044 = Other diseases of nervous system (G04, G06–G11, G12.1–G12.9, G20–G72, G81–G92, G93.0, G93.2–G93.9, G95–G98)
- 045 = Diseases of the ear and mastoid process (H60–H93)
- 046 = Diseases of the circulatory system (I00–I99)
- 047 = Pulmonary heart disease and diseases of pulmonary circulation (I26–I28)
- 048 = Pericarditis, endocarditis, and myocarditis (I30, I33, I40)
- 049 = Cardiomyopathy (I42)
- 050 = Cardiac arrest (I46)
- 051 = Cerebrovascular diseases (I60–I69)
- 052 = All other diseases of circulatory system (I00–I25, I31, I34–I38, I44–I45, I47–I51, I70–I99)
- 053 = Diseases of the respiratory system (J00–J98)
- 054 = Acute upper respiratory infections (J00–J06)
- 055 = Influenza and pneumonia (J10–J18)
- 056 = Influenza (J10–J11)
- 057 = Pneumonia (J12–J18)
- 058 = Acute bronchitis and acute bronchiolitis (J20–J21)
- 059 = Bronchitis, chronic and unspecified (J40–J42)
- 060 = Asthma (J45–J46)
- 061 = Pneumonitis due to solids and liquids (J69)

- 062 = Other and unspecified diseases of respiratory system (J22, J30–J39, J43–J44, J47–J68, J70–J98)
- 063 = Diseases of the digestive system (K00–K92)
- 064 = Gastritis, duodenitis, and noninfective enteritis and colitis (K29, K50–K55)
- 065 = Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46, K56)
- 066 = All other and unspecified diseases of digestive system (K00–K28, K30–K38, K57–K92)
- 067 = Diseases of the genitourinary system (N00–N95)
- 068 = Renal failure and other disorders of kidney (N17–N19, N25, N27)
- 069 = Other and unspecified diseases of genitourinary system (N00–N15, N20–N23, N26, N28–N95)
- 070 = Certain conditions originating in the perinatal period (P00–P96)
- 071 = Newborn affected by maternal factors and by complications of pregnancy, labor, and delivery (P00–P04)
- 072 = Newborn affected by maternal hypertensive disorders (P00.0)
- 073 = Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1–P00.9)
- 074 = Newborn affected by maternal complications of pregnancy (P01)
- 075 = Newborn affected by incompetent cervix (P01.0)
- 076 = Newborn affected by premature rupture of membranes (P01.1)
- 077 = Newborn affected by multiple pregnancy (P01.5)
- 078 = Newborn affected by other maternal complications of pregnancy (P01.2–P01.4, P01.6–P01.9)
- 079 = Newborn affected by complications of placenta, cord, and membranes (P02)
- 080 = Newborn affected by complications involving placenta (P02.0–P02.3)
- 081 = Newborn affected by complications involving cord (P02.4–P02.6)
- 082 = Newborn affected by chorioamnionitis (P02.7)
- 083 = Newborn affected by other and unspecified abnormalities of membranes (P02.8–P02.9)
- 084 = Newborn affected by other complications of labor and delivery (P03)
- 085 = Newborn affected by noxious influences transmitted via placenta or breast milk (P04)
- 086 = Disorders related to length of gestation and fetal malnutrition (P05–P08)
- 087 = Slow fetal growth and fetal malnutrition (P05)
- 088 = Disorders related to short gestation and low birthweight, not elsewhere classified (P07)

- 089 = Extremely low birthweight or extreme immaturity (P07.0, P07.2)
- 090 = Other low birthweight or preterm (P07.1, P07.3)
- 091 = Disorders related to long gestation and high birthweight (P08)
- 092 = Birth trauma (P10–P15)
- 093 = Intrauterine hypoxia and birth asphyxia (P20–P21)
- 094 = Intrauterine hypoxia (P20)
- 095 = Birth asphyxia (P21)
- 096 = Respiratory distress of newborn (P22)
- 097 = Other respiratory conditions originating in the perinatal period (P23–P28)
- 098 = Congenital pneumonia (P23)
- 099 = Neonatal aspiration syndromes (P24)
- 100 = Interstitial emphysema and related conditions originating in the perinatal period (P25)
- 101 = Pulmonary hemorrhage originating in the perinatal period (P26)
- 102 = Chronic respiratory disease originating in the perinatal period (P27)
- 103 = Atelectasis (P28.0–P28.1)
- 104 = All other respiratory conditions originating in the perinatal period (P28.2–P28.9)
- 105 = Infections specific to the perinatal period (P35–P39)
- 106 = Bacterial sepsis of newborn (P36)
- 107 = Omphalitis of newborn with or without mild hemorrhage (P38)
- 108 = All other infections specific to the perinatal period (P35, P37, P39)
- 109 = Hemorrhagic and hematological disorders of newborn (P50–P61)
- 110 = Neonatal hemorrhage (P50–P52, P54)
- 111 = Hemorrhagic disease of newborn (P53)
- 112 = Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55–P59)
- 113 = Hematological disorders (P60–P61)
- 114 = Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0–P70.2)
- 115 = Necrotizing enterocolitis of newborn (P77)
- 116 = Hydrops fetalis not due to hemolytic disease (P83.2)
- 117 = Other perinatal conditions (P29, P70.3–P70.9, P71–P76, P78–P81, P83.0–P83.1, P83.3–P83.9, P90–P96)
- 118 = Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
- 119 = Anencephaly and similar malformations (Q00)
- 120 = Congenital hydrocephalus (Q03)
- 121 = Spina bifida (Q05)

- 122 = Other congenital malformations of nervous system (Q01–Q02, Q04, Q06–Q07)
- 123 = Congenital malformations of heart (Q20–Q24)
- 124 = Other congenital malformations of circulatory system (Q25–Q28)
- 125 = Congenital malformations of respiratory system (Q30–Q34)
- 126 = Congenital malformations of digestive system (Q35–Q45)
- 127 = Congenital malformations of genitourinary system (Q50–Q64)
- 128 = Congenital malformations and deformations of musculoskeletal system, limbs, and integument (Q65–Q85)
- 129 = Down's syndrome (Q90)
- 130 = Edward's syndrome (Q91.0–Q91.3)
- 131 = Patau's syndrome (Q91.4–Q91.7)
- 132 = Other congenital malformations and deformations (Q10–Q18, Q86–Q89)
- 133 = Other chromosomal abnormalities, not elsewhere classified (Q92–Q99)
- 134 = Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)
- 135 = Sudden infant death syndrome (R95)
- 136 = Other symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00–R53, R55–R94, R96–R99)
- 137 = All other diseases (Residual) (F01–F99, H00–H57, L00–M99)
- 138 = External causes of mortality (\*U01, V01–Y84)
- 139 = Accidents (unintentional injuries) (V01–X59)
- 140 = Transport accidents (V01–V99)
- 141 = Motor vehicle accidents (V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)
- 142 = Other and unspecified transport accidents (V01, V05–V06, V09.1, V09.3–V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90–V99)
- 143 = Falls (W00–W19)
- 144 = Accidental discharge of firearms (W32–W34)
- 145 = Accidental drowning and submersion (W65–W74)
- 146 = Accidental suffocation and strangulation in bed (W75)
- 147 = Other accidental suffocation and strangulation (W76–W77, W81–W84)

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| <p>148 = Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78–W80)</p> <p>149 = Accidents caused by exposure to smoke, fire, and flames (X00–X09)</p> <p>150 = Accidental poisoning and exposure to noxious substances (X40–X49)</p> <p>151 = Other and unspecified accidents (W20–W31, W35–W64, W85–W99, X10–X39, X50–X59)</p> <p>152 = Assault (homicide) (*U01, X85–Y09)</p> | <p>153 = Assault (homicide) by hanging strangulation and suffocation (X91)</p> <p>154 = Assault (homicide) by discharge of firearms (*U01.4, X93–X95)</p> <p>155 = Neglect, abandonment, and other maltreatment syndromes (Y06–Y07)</p> <p>156 = Assault (homicide) by other and unspecified means (*U01.0–*U01.3, *U01.5–*U01.9, X85–X90, X92, X96–X99, Y00–Y05, Y08–Y09)</p> <p>157 = Complications of medical and surgical care (Y40–Y84)</p> <p>158 = Other external causes (X60–X84, Y10–Y36)</p> |
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**COMMENT:** Additional information regarding these categories can be found on the CDC website (reference <https://www.cdc.gov/nchs/data/dvs/Part9InstructionManual2011.pdf>).

Available for 2007–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## ICD\_CODE\_358

**LABEL:** 358 ICD-10 Cause of Death Recodes

**DESCRIPTION:** This field groups (or recodes) the NDI ICD-10 code cause of death into 358 categories. The list reflects 358 selected causes of death.

**SHORT NAME:** ICD\_CODE\_358

**LONG NAME:** ICD\_CODE\_358

**TYPE:** CHAR

**LENGTH:** 5

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:**

00100 = Certain infectious and parasitic diseases (A00–B99)

00200 = Intestinal infectious diseases (A00–A09)

00300 = Cholera (A00)

00400 = Other intestinal infectious diseases (A01–A08)

00500 = Typhoid fever (A01.0)

00600 = Paratyphoid fevers and other salmonella infections (A01.1–A01.4, A02)

00700 = Shigellosis (A03)

00800 = Other bacterial food-borne intoxications (A05)

00900 = Amebiasis (A06)

01000 = Intestinal infections due to other specified organisms (A04, A07–A08)

01100 = Diarrhea and gastroenteritis of infectious origin (A09)

01200 = Tuberculosis (A16–A19)

01300 = Respiratory tuberculosis (A16)

01400 = Other tuberculosis (A17–A19)

01500 = Zoonotic and other bacterial diseases (A20–A49)

01600 = Plague (A20)

01700 = Brucellosis (A23)

01800 = Tetanus (A33–A35)

01900 = Diphtheria (A36)

02000 = Whooping cough (A37)

02100 = Scarlet fever and erysipelas (A38, A46)

02200 = Meningococcal infection (A39)

02300 = Septicemia (A40–A41)

02400 = Other zoonotic and bacterial diseases (A21–A22, A24–A32, A42–A44, A48–A49)

02500 = Infections with a predominately sexual mode of transmission (A50–A64)

02600 = Syphilis (A50–A53)

02700 = Cardiovascular syphilis (A52.0)

02800 = Neurosyphilis (A52.1–A52.3)

02900 = Other and unspecified syphilis (A50–A51, A52.7–A52.9, A53)

03000 = Gonococcal infection (A54)	04900 = Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases (B20)
03100 = Other infections with a predominately sexual mode of transmission (A55–A64)	05000 = Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms (B21)
03200 = Other infections caused by spirochetes, chlamydia, or rickettsia (A65–A79)	05100 = Human immunodeficiency virus (HIV) disease resulting in other specified diseases (B22)
03300 = Lyme disease (A69.2)	05200 = Human immunodeficiency virus (HIV) disease resulting in other conditions (B23)
03400 = Typhus fever (A75)	05300 = Unspecified human immunodeficiency virus (HIV) disease (B24)
03500 = All other infections caused by spirochetes, chlamydia, or rickettsia (A65–A68, A69.0–A69.1, A69.8–A69.9, A70–A74, A77–A79)	05400 = All other and unspecified viral diseases (A81, A85.0–A85.1, A85.8, A86–A89, B01, B04, B07–B09, B25–B34)
03600 = Viral diseases (A80–B34)	05500 = Other and unspecified infectious and parasitic diseases and their sequelae (B35–B99)
03700 = Acute poliomyelitis (A80)	05600 = Mycoses (B35–B49)
03800 = Rabies (A82)	05700 = Protozoal diseases (B50–B64)
03900 = Arthropod-borne viral encephalitis (A83–A84, A85.2)	05800 = Malaria (B50–B54)
04000 = Yellow fever (A95)	05900 = Leishmaniasis (B55)
04100 = Other and unspecified arthropod-borne viral and hemorrhagic fevers (A90–A94, A96–A99)	06000 = Trypanosomiasis (B56–B57)
04200 = Herpesviral (herpes simplex) infections (B00)	06100 = Pneumocystosis (B59)
04300 = Zoster (herpes zoster) (B02)	06200 = Other and unspecified protozoal diseases (B58, B60–B64)
04400 = Smallpox (B03)	06300 = Helminthiasis (B65–B83)
04500 = Measles (B05)	06400 = Schistosomiasis (bilharziasis) (B65)
04600 = Rubella (German measles) (B06)	
04700 = Viral hepatitis (B15–B19)	
04800 = Human immunodeficiency virus (HIV) disease (B20–B24)	

06500 = Other and unspecified helminthiases (B66–B83)

06600 = Sequelae of tuberculosis (B90)

06700 = Sequelae of poliomyelitis (B91)

06800 = All other and unspecified infectious and parasitic diseases and their sequelae (B85–B89, B92–B99)

06900 = II. Neoplasms (C00–D48)

07000 = Malignant neoplasms (C00–C97)

07100 = Malignant neoplasms of lip, oral cavity, and pharynx (C00–C14)

07200 = Of lip (C00)

07300 = Of tongue (C01–C02)

07400 = Of pharynx (C10–C13, C14.0)

07500 = Of other and unspecified sites within the lip, oral cavity, and pharynx (C03–C09, C14.2–C14.8)

07600 = Malignant neoplasms of digestive organs (C15–C26)

07700 = Of esophagus (C15)

07800 = Of stomach (C16)

07900 = Of small intestine (C17)

08000 = Of colon, rectum, and anus (C18–C21)

08100 = Colon (C18)

08200 = Rectosigmoid junction and rectum (C19–C20)

08300 = Anus and anus canal (C21)

08400 = Of liver and intrahepatic bile ducts (C22)

08500 = Liver (C22.0, C22.2–C22.9)

08600 = Intrahepatic bile duct carcinoma (C22.1)

08700 = Of gallbladder and extrahepatic bile ducts (C23–C24)

08800 = Of pancreas (C25)

08900 = Of other and ill-defined digestive organs (C26)

09000 = Malignant neoplasms of respiratory and intrathoracic organs (C30–C39)

09100 = Of nasal cavity, middle ear, and accessory sinuses (C30–C31)

09200 = Of larynx (C32)

09300 = Of trachea, bronchus, and lung (C33–C34)

09400 = Of thymus, heart, mediastinum, and pleura (C37–C38)

09500 = Of other and ill-defined sites in respiratory system and intrathoracic organs (C39)

09600 = Malignant neoplasms of bone and articular cartilage (C40–C41)

09700 = Melanoma and other malignant neoplasms of skin (C43–C44)

09800 = Malignant melanoma of skin (C43)

09900 = Other malignant neoplasms of skin (C44)

10000 = Malignant neoplasms of mesothelial and soft tissue (C45–C49)

10100 = Mesothelioma (C45)

10200 = Kaposi's sarcoma (C46)	12100 = Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70–C72)
10300 = Of other mesothelial and soft tissue (C47–C49)	12200 = Of brain (C71)
10400 = Malignant neoplasm of breast (C50)	12300 = Of other parts of central nervous system (C70, C72)
10500 = Malignant neoplasms of female genital organs (C51–C58)	12400 = Malignant neoplasms of thyroid and other endocrine glands (C73–C75)
10600 = Of vulva and vagina (C51–C52)	12500 = Other malignant neoplasms of other and unspecified sites (C76–C80, C97)
10700 = Of cervix uteri (C53)	12600 = Malignant neoplasms of lymphoid, hematopoietic, and related tissue (C81–C96)
10800 = Of corpus uteri and uterus, part unspecified (C54–C55)	12700 = Hodgkin's disease (C81)
10900 = Of ovary (C56)	12800 = Of other lymphoid, hematopoietic, and related tissue (C82–C85, C96)
11000 = Of other and unspecified female genital organs (C57)	12900 = Non-Hodgkin's lymphoma (C82–C85)
11100 = Of placenta (C58)	13000 = Of other and unspecified lymphoid, hematopoietic, and related tissue (C96)
11200 = Malignant neoplasms of male genital organs (C60–C63)	13100 = Malignant immunoproliferative diseases (C88)
11300 = Of prostate (C61)	13200 = Multiple myeloma and malignant plasma cell neoplasms (C90)
11400 = Of testis (C62)	13300 = Leukemia (C91–C95)
11500 = Of penis and other and unspecified male genital organs (C60, C63)	13400 = Lymphoid leukemia (C91)
11600 = Malignant neoplasms of urinary tract (C64–C68)	13500 = Myeloid leukemia (C92)
11700 = Of kidney and renal pelvis (C64–C65)	13600 = Monocytic leukemia (C93)
11800 = Of bladder (C67)	13700 = Other and unspecified leukemia (C94–C95)
11900 = Of other and unspecified sites within the urinary tract (C66, C68)	
12000 = Malignant neoplasm of eye and adnexa (C69)	

13800 = In situ neoplasms (D00–D09)	15400 = Other diseases of blood and blood-forming organs (D70–D76)
13900 = Carcinoma in situ of breast and genitourinary system (D05–D07)	15500 = Certain disorders involving the immune mechanism (D80–D89)
14000 = Carcinoma in situ of other and unspecified sites (D00–D04, D09)	15600 = IV. Endocrine, nutritional, and metabolic diseases (E00–E88)
14100 = Benign neoplasms (D10–D36)	15700 = Endocrine diseases (E00–E34)
14200 = Of female genital organs (D25–D28)	15800 = Disorders of thyroid gland (E00–E07)
14300 = Of eye, brain, and other parts of central nervous system (D31–D33)	15900 = Diabetes mellitus (E10–E14)
14400 = Of other and unspecified sites (D10–D24, D29–D30, D34–D36)	16000 = Disorders of pituitary gland (E22–E23)
14500 = Neoplasms of uncertain or unknown behavior of specified sites (D37–D47)	16100 = Disorders of adrenal glands (E24–E27)
14600 = Neoplasms of uncertain or unknown behavior of unspecified sites (D48)	16200 = Diseases of thymus (E32)
14700 = III. Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	16300 = Other endocrine diseases (E15–E21, E28–E31, E34)
14800 = Anemias (D50–D64)	16400 = Nutritional diseases (E40–E68)
14900 = Nutritional anemias (D50–D53)	16500 = Malnutrition (E40–E46)
15000 = Hemolytic anemias (D55–D59)	16600 = Nutritional marasmus (E41)
15100 = Aplastic anemias (D60–D61)	16700 = Other and unspecified malnutrition (E40, E42–E46)
15200 = Acute post hemorrhagic and other anemias (D62, D64)	16800 = Other nutritional deficiencies (E50–E64)
15300 = Coagulation defects, purpura, and other hemorrhagic conditions (D65–D69)	16900 = Obesity and other hyperalimentation (E65–E68)
	17000 = Metabolic disorders (E70–E88)
	17100 = Cystic fibrosis (E84)
	17200 = Volume depletion, disorders of fluid, electrolyte, and acid-base balance (E86–E87)
	17300 = Other metabolic disorders (E70–E83, E85, E88)

- 17400 = V. Mental and behavioral disorders (F01–F99)
- 17500 = Organic dementia (F01, F03)
- 17600 = Other and unspecified organic mental disorders (F04–F09)
- 17700 = Mental and behavioral disorders due to psychoactive substance use (F10–F19)
- 17800 = Mental and behavioral disorders due to use of alcohol (F10)
- 17900 = Mental and behavioral disorders due to other psychoactive substance use (F11–F19)
- 18000 = Schizophrenia, schizotypal and delusional disorders (F20–F29)
- 18100 = Mood (affective) disorders (F30–F39)
- 18200 = Neurotic, stress-related and somatoform disorders (F40–F48)
- 18300 = Mental retardation (F70–F79)
- 18400 = Other and unspecified mental and behavioral disorders (F50–F69, F80–F99)
- 18500 = VI. Diseases of the nervous system (G00–G98)
- 18600 = Meningitis (G00, G03)
- 18700 = Other inflammatory diseases of central nervous system (G04–G09)
- 18800 = Parkinson’s disease (G20–G21)
- 18900 = Alzheimer’s disease (G30)
- 19000 = Multiple sclerosis (G35)
- 19100 = Epilepsy (G40–G41)
- 19200 = Transient cerebral ischemic attacks and related syndromes (G45)
- 19300 = Infantile cerebral palsy (G80)
- 19400 = All other diseases of nervous system (G10–G12, G23–G25, G31, G36–G37, G43–G44, G47–G72, G81–G98)
- 19500 = VII. Diseases of the eye and adnexa (H00–H57)
- 19600 = VIII. Diseases of the ear and mastoid process (H60–H93)
- 19700 = IX. Diseases of the circulatory system (I00–I99)
- 19800 = Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)
- 19900 = Acute rheumatic fever (I00–I02)
- 20000 = Chronic rheumatic heart diseases (I05–I09)
- 20100 = Rheumatic mitral valve diseases (I05)
- 20200 = Rheumatic aortic valve diseases (I06)
- 20300 = Disorders of both mitral and aortic valves (I08.0)
- 20400 = Other chronic rheumatic heart diseases (I07, I08.1–I08.9, I09)
- 20500 = Hypertensive diseases (I10–I13)
- 20600 = Essential (primary) hypertension (I10)
- 20700 = Hypertensive heart disease (I11)

20800 = Hypertensive renal disease (I12)	22500 = Nonrheumatic aortic valve disorders (I35)
20900 = Hypertensive heart and renal disease (I13)	22600 = All other diseases of endocardium (I36–I38)
21000 = Ischemic heart diseases (I20–I25)	22700 = Cardiomyopathy (I42)
21100 = Acute myocardial infarction (I21–I22)	22800 = Conduction disorders and cardiac dysrhythmias (I44–I49)
21200 = Other acute ischemic heart diseases (I24)	22900 = Heart failure (I50)
21300 = Other forms of chronic ischemic heart disease (I20, I25)	23000 = Congestive heart failure (I50.0)
21400 = Atherosclerotic cardiovascular disease, so described (I25.0)	23100 = Other and unspecified heart failure (I50.1–I50.9)
21500 = All other forms of chronic ischemic heart disease (I20, I25.1–I25.9)	23200 = Myocarditis, unspecified and myocardial degeneration (I51.4–I51.5)
21600 = Other heart diseases (I26–I51)	23300 = All other and ill-defined forms of heart disease (I50.0–I51.3, I51.6–I51.9)
21700 = Pulmonary heart disease and diseases of pulmonary circulation (I26–I28)	23400 = Cerebrovascular diseases (I60–I69)
21800 = Pulmonary embolism (I26)	23500 = Subarachnoid hemorrhage (I60)
21900 = Other pulmonary heart disease and diseases of pulmonary circulation (I27–I28)	23600 = Intracerebral and other intracranial hemorrhage (I61–I62)
22000 = Other non-pulmonary forms of heart disease (I30–I51)	23700 = Cerebral infarction (I63)
22100 = Acute and subacute endocarditis (I33)	23800 = Stroke, not specified as hemorrhage or infarction (I64)
22200 = Diseases of pericardium and acute myocarditis (I30–I31, I40)	23900 = Other cerebrovascular diseases and their sequelae (I67, I69)
22300 = Other diseases of endocardium (I34–I38)	24000 = Diseases of arteries, arterioles, and capillaries (I70–I78)
22400 = Nonrheumatic mitral valve disorders (I34)	24100 = Atherosclerosis (I70)
	24200 = Aortic aneurysm and dissection (I71)

- 24300 = Other diseases of arteries, arterioles, and capillaries (I72–I78)
- 24400 = Other disorders of circulatory system (I80–I99)
- 24500 = Phlebitis, thrombophlebitis, venous embolism, and thrombosis (I80–I82)
- 24600 = All other and unspecified disorders of circulatory system (I83–I99)
- 24700 = X. Diseases of the respiratory system (J00–J98)
- 24800 = Acute upper respiratory infections (J00–J06)
- 24900 = Acute pharyngitis and tonsillitis (J02–J03)
- 25000 = Acute laryngitis and tracheitis (J04)
- 25100 = Other and unspecified acute upper respiratory infections (J00–J01, J05–J06)
- 25200 = Other diseases of the respiratory system (J10–J98)
- 25300 = Influenza (J10–J11)
- 25400 = Pneumonia (J12–J18)
- 25500 = Viral pneumonia, not elsewhere classified (J12)
- 25600 = Bacterial pneumonia (J13–J15)
- 25700 = Pneumonia due to other or unspecified organisms (J16, J18)
- 25800 = Other acute lower respiratory infections (J20–J22)
- 25900 = Acute bronchitis and bronchiolitis (J20–J21)
- 26000 = Unspecified acute lower respiratory infection (J22)
- 26100 = Other diseases of upper respiratory tract (J30–J39)
- 26200 = Chronic lower respiratory diseases (J40–J47)
- 26300 = Bronchitis, chronic and unspecified, emphysema and asthma (J40–J46)
- 26400 = Bronchitis, not specified as acute or chronic (J40)
- 26500 = Chronic bronchitis (J41–J42)
- 26600 = Emphysema (J43)
- 26700 = Other chronic obstructive pulmonary disease (J44)
- 26800 = Asthma (J45–J46)
- 26900 = Bronchiectasis (J47)
- 27000 = Lung diseases due to external agents (J60–J70)
- 27100 = Pneumoconioses and chemical effects (J60–J66, J68)
- 27200 = Pneumonitis due to solids and liquids (J69)
- 27300 = Pneumonitis due to food and vomit (J69.0)
- 27400 = Other pneumonitis due to solids and liquids (J69.1–J69.8)
- 27500 = Other lung diseases due to external agents (J67, J70)
- 27600 = Suppurative and necrotic conditions of lower respiratory tract (J85–J86)
- 27700 = Pleural effusion and plaque (J90, J92)



- 27800 = All other diseases of respiratory system (J80–J84, J93–J98)
- 27900 = XI. Diseases of the digestive system (K00–K92)
- 28000 = Diseases of oral cavity, salivary glands, and jaws (K00–K14)
- 28100 = Diseases of other parts of digestive system (K20–K92)
- 28200 = Diseases of esophagus (K20–K22)
- 28300 = Peptic ulcer (K25–K28)
- 28400 = Gastric ulcer (K25)
- 28500 = Duodenal ulcer (K26)
- 28600 = Peptic ulcer, site unspecified (K27)
- 28700 = Gastrojejunal ulcer (K28)
- 28800 = Gastritis and duodenitis (K29)
- 28900 = Dyspepsia and other diseases of stomach and duodenum (K30–K31)
- 29000 = Diseases of appendix (K35–K38)
- 29100 = Hernia (K40–K46)
- 29200 = Crohn’s disease and ulcerative colitis (K50–K51)
- 29300 = Vascular disorders and obstruction of intestine without hernia (K55–K56)
- 29400 = Diverticular disease of intestine (K57)
- 29500 = Other diseases of intestines and peritoneum (K52, K58–K63)
- 29600 = Diseases of peritoneum (K65–K66)
- 29700 = Diseases of liver (K70–K76)
- 29800 = Alcoholic liver disease (K70)
- 29900 = Chronic hepatitis, not elsewhere classified (K73)
- 30000 = Fibrosis and cirrhosis of liver (K74)
- 30100 = Other diseases of liver (K71–K72, K75–K76)
- 30200 = Cholelithiasis and other disorders of gallbladder (K80–K82)
- 30300 = Disorders of biliary tract and pancreas (K83–K86)
- 30400 = Pancreatitis (K85, K86.0–K86.1)
- 30500 = Other disorders of biliary tract and pancreas (K83, K86.2–K86.9)
- 30600 = All other diseases of digestive system (K90, K92)
- 30700 = XII. Diseases of the skin and subcutaneous tissue (L00–L98)
- 30800 = Infections of skin and subcutaneous tissue (L00–L08)
- 30900 = Other and unspecified diseases of skin and subcutaneous tissue (L10–L98)
- 31000 = XIII. Diseases of the musculoskeletal system and connective tissue (M00–M99)
- 31100 = Rheumatoid arthritis and related inflammatory polyarthropathies (M05–M08)
- 31200 = Systemic lupus erythematosus (M32)

31300 = Other arthropathies and related disorders (M00, M02, M10–M31, M33–M35)

31400 = Dorsopathies (M40–M54)

31500 = Soft tissue disorders (M60–M79)

31600 = Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue (M80–M99)

31700 = Osteoporosis (M80–M81)

31800 = Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue (M83–M99)

31900 = XIV. Diseases of the genitourinary system (N00–N98)

32000 = Diseases of urinary system (N00–N39)

32100 = Glomerular and renal tubule-interstitial diseases (N00–N15)

32200 = Glomerular diseases (N00–N07)

32300 = Acute and rapidly progressive nephritic syndrome (N00–N01)

32400 = Nephrotic syndrome (N04)

32500 = Other and unspecified glomerular diseases (N02–N03, N05–N07)

32600 = Renal tubulo-interstitial diseases (N10–N15)

32700 = Renal failure (N17–N19)

32800 = Urolithiasis (N20–N23)

32900 = Other and unspecified disorders of kidney (N25–N27)

33000 = Urinary tract infection, site not specified (N39.0)

33100 = Other diseases of urinary system (N28–N36, N39.1–N39.9)

33200 = Diseases of male genital organs (N40–N50)

33300 = Hyperplasia of prostate (N40)

33400 = Other diseases of male genital organs (N41–N50)

33500 = Disorders of breast (N60–N64)

33600 = Disorders of female genital organs (N70–N98)

33700 = Inflammatory diseases of female pelvic organs (N70–N76)

33800 = Noninflammatory disorders of female genital tract (N80–N98)

33900 = XV. Pregnancy, childbirth, and the puerperium (O00–O99)

34000 = Pregnancy with abortive outcome (O00–O07)

34100 = Ectopic pregnancy (O00)

34200 = Spontaneous abortion (O03)

34300 = Medical abortion (O04)

34400 = Other abortion (O05)

34500 = Other and unspecified pregnancy with abortive outcome (O01–O02, O06–O07)

34600 = Other direct obstetric deaths (O10–O92)

34700 = Eclampsia and pre-eclampsia (O11, O13–O16)

- 34800 = Hemorrhage of pregnancy and childbirth and placenta previa (O20, O44–O46, O67, O72)
- 34900 = Complications predominately related to the puerperium (O85–O92)
- 35000 = Obstetric embolism (O88)
- 35100 = Other complications predominately related to the puerperium (O85–O87, O89–O92)
- 35200 = All other direct obstetric causes (O10, O12, O21–O43, O47–O66, O68–O71, O73–O75)
- 35300 = Obstetric death of unspecified cause (O95)
- 35400 = Other deaths related to pregnancy, childbirth, and the puerperium (O96–O97)
- 35500 = Indirect obstetric deaths (O98–O99)
- 35600 = XVI. Certain conditions originating in the perinatal period (P00–P96)
- 35700 = Newborn affected by maternal factors and by complications of pregnancy, labor, and delivery (P00–P04)
- 35800 = Disorders related to short gestation and low birth weight, not elsewhere classified (P07)
- 35900 = Birth trauma (P10–P15)
- 36000 = Intrauterine hypoxia and birth asphyxia (P20–P21)
- 36100 = Respiratory distress of newborn (P22)
- 36200 = Other respiratory conditions originating in the perinatal period (P23–P28)
- 36300 = Infections specific to the perinatal period (P35–P39)
- 36400 = Other and unspecified conditions originating in the perinatal period (P05, P08, P29, P50–P96)
- 36500 = XVII. Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)
- 36600 = Anencephaly and similar malformations (Q00)
- 36700 = Spina bifida (Q05)
- 36800 = All other congenital malformations of nervous system (Q01–Q04, Q06–Q07)
- 36900 = Congenital malformations of heart (Q20–Q24)
- 37000 = Other congenital malformations of circulatory system (Q25–Q28)
- 37100 = Congenital malformations of respiratory system (Q30–Q34)
- 37200 = Other congenital malformations and deformations (Q10–Q18, Q35–Q89)
- 37300 = Down’s syndrome (Q90)
- 37400 = All other chromosomal abnormalities, not elsewhere classified (Q91–Q99)
- 37500 = XVIII. Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)

- 37600 = Senility (R54)
- 37700 = Ill-defined and unknown causes of mortality (R95–R99)
- 37800 = Sudden infant death syndrome (R95)
- 37900 = Other ill-defined and unknown causes of mortality (R96–R99)
- 38000 = All other symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00–R53, R55–R94)
- 38100 = XX. External causes of mortality (\*U01–\*U03, V01–Y89)
- 38200 = Accidents (unintentional injuries) (V01–X59, Y85–Y86)
- 38300 = Transport accidents (V01–V99, Y85)
- 38400 = Railway accidents (V05, V15, V80.6, V81.2–V81.9)
- 38500 = Motor vehicle accidents (V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)
- 38600 = Pedestrian involved in collision with motor vehicle (V02–V04)
- 38700 = Pedalcyclist involved in collision with motor vehicle (V12–V14, V19.0–V19.2, V19.4–V19.6)
- 38800 = Motorcyclist involved in any accident except collision with railway train (V20–V24, V26–V34, V36–V39)
- 38900 = Motor vehicle accident involving collision with railway train (V25, V35, V45, V55, V65, V75, V81.0–V81.1, V87.6, V88.6)
- 39000 = Motorcyclist involved in collision with railway train (V25, V35)
- 39100 = Other motor vehicle accident involving collision with railway train (V45, V55, V65, V75, V81.0–V81.1, V87.6, V88.6)
- 39200 = Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal, or pedestrian (V40–V41, V46–V47, V50–V51, V56–V57, V60–V61, V66–V67, V70–V71, V76–V77)
- 39300 = Occupant of car, pickup truck or van involved in collision with other motor vehicle (V42–V44, V49, V52–V54, V59)
- 39400 = Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle (V62–V64, V69, V72–V74, V79)
- 39500 = Occupant of motor vehicle involved in no collision accident (V48, V58, V68, V78)
- 39600 = Occupant of special-use motor vehicle involved in any accident (V83–V86)
- 39700 = Other and unspecified motor vehicle accidents (V09.0, V09.2, V80.3–V80.5, V82.0–V82.1, V87.0–V87.5, V87.7–V87.8, V88.0–V88.5, V88.7–V88.8, V89.0, V89.2)
- 39800 = Streetcar accidents (V82.2–V82.9)

- 39900 = Other and unspecified land transport accidents (V01, V06, V09.1, V09.3, V09.9, V10–V11, V16–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.7–V80.9, V87.9, V88.9, V89.1, V89.3, V89.9)
- 40000 = Water transport accidents (V90–V94)
- 40100 = Air and space transport accidents (V95–V97)
- 40200 = Other and unspecified transport accidents and their sequelae (V98–V99, Y85)
- 40300 = Falls (W00–W19)
- 40400 = Fall on same level (W00–W09, W18)
- 40500 = Fall from one level to another (W10–W17)
- 40600 = Unspecified fall (W19)
- 40700 = Accidental discharge of firearms (W32–W34)
- 40800 = Accidental explosion (W39–W40)
- 40900 = Accidental drowning and submersion (W65–W74)
- 41000 = Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78–W80)
- 41100 = Other accidental and unspecified threats to breathing (W75–W77, W81–W84)
- 41200 = Accidental exposure to electric current (W85–W87)
- 41300 = Accidental exposure to radiation (W88–W91)
- 41400 = Accidental exposure to smoke, fire, and flames (X00–X09)
- 41500 = Accidental contact with heat and hot substances (X10–X19)
- 41600 = Lightning (X33)
- 41700 = Earthquake, volcanic eruption, avalanche, landslide, and other earth movements (X34–X36)
- 41800 = Cataclysmic storm and flood (X37–X38)
- 41900 = Accidental poisoning and exposure to noxious substances (X40–X49)
- 42000 = Accidental poisoning by and exposure to drugs and other biological substances (X40–X44)
- 42100 = Accidental poisoning by and exposure to other and unspecified solid or liquids substances (X45–X46, X48–X49)
- 42200 = Accidental poisoning by and exposure to other gases and vapors (X47)
- 42300 = All other and unspecified accidents and their sequelae (W20–W31, W35–W38, W41–W64, W92–W99, X20–X32, X39, X50–X59, Y86)
- 42400 = Intentional self-harm (suicide) (\*U03, X60–X84, Y87.0)
- 42500 = Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances (X60–X64)

- 42600 = Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors (X65–X66, X68–X69)
- 42700 = Intentional self-poisoning (suicide) by and exposure to other gases and vapors (X67)
- 42800 = Intentional self-harm (suicide) by hanging, strangulation and suffocation (X70)
- 42900 = Intentional self-harm (suicide) by discharge of firearms (X72–X74)
- 43000 = Intentional self-harm (suicide) by jumping from a high place (X80)
- 43100 = Intentional self-harm (suicide) by all other and unspecified means and their sequelae (\*U03, X71, X75–X79, X81–X84, Y87.0)
- 43200 = Assault (homicide) (\*U01–\*U02, X85–Y09, Y87.1)
- 43300 = Assault (homicide) by drugs, biological substances, and other and unspecified noxious substances (\*U01.6–\*U01.7, X85–X90)
- 43400 = Assault (homicide) by hanging, strangulation and suffocation (X91)
- 43500 = Assault (homicide) by discharge of firearms (\*U01.4, X93–X95)
- 43600 = Assault (homicide) by sharp object (X99)
- 43700 = Assault (homicide) by blunt object (Y00)
- 43800 = Assault (homicide) by bodily force (Y04)
- 43900 = Sexual assault (homicide) by bodily force (Y05)
- 44000 = Neglect, abandonment, and other maltreatment syndromes (Y06–Y07)
- 44100 = Assault (homicide) by all other and unspecified means and their sequelae (\*U01.0–\*U01.3, \*U01.5, \*U01.8–\*U01.9, \*U02, X92, X96–X98, Y01–Y03, Y08–Y09, Y87.1)
- 44200 = Event of undetermined intent (Y10–Y34, Y87.2, Y89.9)
- 44300 = Poisoning by and exposure to drugs and biological substances, undetermined intent (Y10–Y14)
- 44400 = Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent (Y15–Y16, Y18–Y19)
- 44500 = Poisoning by and exposure to other gases and vapors, undetermined intent (Y17)
- 44600 = Discharge of firearms, undetermined intent (Y22–Y24)
- 44700 = Falling, jumping, or pushed from a high place, undetermined intent (Y30)
- 44800 = All other and unspecified events of undetermined intent and their sequelae (Y20–Y21, Y25–Y29, Y31–Y34, Y87.2, Y89.9)
- 44900 = Legal intervention (Y35, Y89.0)
- 45000 = Legal execution (Y35.5)

45100 = Other legal intervention and their sequelae (Y35.0–Y35.4, Y35.6–Y35.7, Y89.0)

45200 = Operations of war and their sequelae (Y36, Y89.1)

45300 = Complications of medical and surgical care (Y40–Y84, Y88)

45400 = Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae (Y40–Y59, Y88.0)

45500 = Misadventures to patients during medical and surgical care and their sequelae (Y60–Y69, Y88.1)

45600 = Other complications of medical and surgical care and their sequelae (Y70–Y84, Y88.2–Y88.3)

**COMMENT:** Additional information regarding these categories can be found on the CDC website (reference <https://www.cdc.gov/nchs/data/dvs/Part9InstructionManual2011.pdf>). Available for 1999–2016.

**NOTE:** This field is not populated for a large proportion of 2008 records due to source data issues.

Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## ICD\_TITLE

**LABEL:** ICD-10 Cause of Death Title

**DESCRIPTION:** This field is the narrative description of the ICD-10 cause of death code value (for variable ICD\_CODE).

**SHORT NAME:** ICD\_TITLE

**LONG NAME:** ICD\_TITLE

**TYPE:** CHAR

**LENGTH:** 120

**SOURCE:** CCW (derived)

**VALUES:** —

**COMMENT:** Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## NDI\_DEATH\_DT

**LABEL:** NDI Date of Death

**DESCRIPTION:** This variable is the date of death as reported on the Beneficiary's death certificate.

**SHORT NAME:** NDI\_DEATH\_DT

**LONG NAME:** NDI\_DEATH\_DT

**TYPE:** DATE

**LENGTH:** 8

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:** —

**COMMENT:** Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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## NDI\_STATE\_DEATH\_CD

**LABEL:** NDI State of Death

**DESCRIPTION:** This variable is the two-digit Social Security Administration (SSA) code for the state identified as the state where the beneficiary death occurred.

**SHORT NAME:** NDI\_STATE\_DEATH\_CD

**LONG NAME:** NDI\_STATE\_DEATH\_CD

**TYPE:** CHAR

**LENGTH:** 2

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI) and CCW (recode)

**VALUES:**

01 = Alabama	28 = Nebraska
02 = Alaska	29 = Nevada
03 = Arizona	30 = New Hampshire
04 = Arkansas	31 = New Jersey
05 = California	32 = New Mexico
06 = Colorado	33 = New York
07 = Connecticut	34 = North Carolina
08 = Delaware	35 = North Dakota
09 = District of Columbia	36 = Ohio
10 = Florida	37 = Oklahoma
11 = Georgia	38 = Oregon
12 = Hawaii	39 = Pennsylvania
13 = Idaho	40 = Puerto Rico
14 = Illinois	41 = Rhode Island
15 = Indiana	42 = South Carolina
16 = Iowa	43 = South Dakota
17 = Kansas	44 = Tennessee
18 = Kentucky	45 = Texas
19 = Louisiana	46 = Utah
20 = Maine	47 = Vermont
21 = Maryland	48 = Virgin Islands
22 = Massachusetts	49 = Virginia
23 = Michigan	50 = Washington
24 = Minnesota	51 = West Virginia
25 = Mississippi	52 = Wisconsin
26 = Missouri	
27 = Montana	53 = Wyoming

**COMMENT:** Available for 1999–2016. Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA.

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RECORD\_COND\_1  
RECORD\_COND\_2  
RECORD\_COND\_3  
RECORD\_COND\_4  
RECORD\_COND\_5  
RECORD\_COND\_6  
RECORD\_COND\_7  
RECORD\_COND\_8  
RECORD\_COND\_9  
RECORD\_COND\_10

RECORD\_COND\_11  
RECORD\_COND\_12  
RECORD\_COND\_13  
RECORD\_COND\_14  
RECORD\_COND\_15  
RECORD\_COND\_16  
RECORD\_COND\_17  
RECORD\_COND\_18  
RECORD\_COND\_19  
RECORD\_COND\_20

**LABEL:** NDI Record Axis Cause of Death

**DESCRIPTION:** This field identifies the underlying causes of death code as edited and audited by National Center for Health Statistics (NCHS).

**SHORT NAME:**

RECORD\_COND\_1  
RECORD\_COND\_2  
RECORD\_COND\_3  
RECORD\_COND\_4  
RECORD\_COND\_5  
RECORD\_COND\_6  
RECORD\_COND\_7  
RECORD\_COND\_8  
RECORD\_COND\_9  
RECORD\_COND\_10

RECORD\_COND\_11  
RECORD\_COND\_12  
RECORD\_COND\_13  
RECORD\_COND\_14  
RECORD\_COND\_15  
RECORD\_COND\_16  
RECORD\_COND\_17  
RECORD\_COND\_18  
RECORD\_COND\_19  
RECORD\_COND\_20

**LONG NAME:**

RECORD\_COND\_1  
RECORD\_COND\_2  
RECORD\_COND\_3  
RECORD\_COND\_4  
RECORD\_COND\_5  
RECORD\_COND\_6  
RECORD\_COND\_7  
RECORD\_COND\_8  
RECORD\_COND\_9  
RECORD\_COND\_10

RECORD\_COND\_11  
RECORD\_COND\_12  
RECORD\_COND\_13  
RECORD\_COND\_14  
RECORD\_COND\_15  
RECORD\_COND\_16  
RECORD\_COND\_17  
RECORD\_COND\_18  
RECORD\_COND\_19  
RECORD\_COND\_20

**TYPE:** CHAR

**LENGTH:** 5

**SOURCE:** Centers for Disease Control and Prevention (CDC) National Death Index (NDI)

**VALUES:** Each condition takes five positions in the record.  
Positions 1–4: Condition Code (Reference ICD-10 codes)

**NOTE:** Whenever there is a 4-position code, there is always an implied decimal after the third position.

Position 5: Nature of Injury Flag

0 = all other codes (always 0 for ICD-10 codes; 1999 forward)

**COMMENT:** For decedents 1999–2006 there are up to 8 underlying conditions on the NDI record and for 2007–2016 there are up to 20 underlying conditions (RECORD\_COND\_1–RECORD\_COND\_20). Researchers wishing to obtain this NDI segment of the MBSF must obtain an additional approval beyond the CMS DUA. There is another version of the underlying cause of death conditions that is the unedited version from the death certificate (reference ENTITY\_COND\_1–ENTITY\_COND\_20).

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