NCHS Surveys
2011 Linked Mortality Files

Public-Use Data Dictionary

Last updated: 2/24/2015

NCHS Surveys
2011 Linked Mortality Files

Public-Use Data Dictionary

Section 1: List of Variables

NCHS Survey Identifiers	Variable Label
PUBLICID	NHIS, LSOA II Public-use ID Number
SEQN	NHANES Respondent Sequence Number
Death Information	
ELIGSTAT	Eligibility Status for Mortality Follow-up
MORTSTAT	Final Mortality Status
MORTSRCE_NDI	Mortality Source: NDI Match
MORTSRCE_SSA	Mortality Source: SSA Information
MORTSRCE_CMS	Mortality Source: CMS Information
MORTSRCE_DC	Mortality Source: Death Certificate Match
MORTSRCE_DCL	Mortality Source: Data Collection
Cause of Death	
CAUSEAVL	Cause of Death Data Available
UCOD_LEADING	Underlying Cause of Death Recode from UCOD_113; Leading Causes
DIABETES	Diabetes flag from multiple cause of death
HYPERTEN	Hpertension flag from multiple cause of death
Survey Specific Data – NHIS and LSOA II	
DODQTR	Quarter of Death
DODYEAR	Year of Death
WGT_NEW	Weight Adjusted for Ineligible Respondents - Person-level Sample Weight
SA_WGT_NEW	Weight Adjusted for Ineligible Respondents - Sample Adult Sample Weight
Survey Specific Data – NHANES III and 1999-2010	
PERMTH_INT	Person Months of Follow-up from Interview Date
PERMTH_EXM	Person Months of Follow-up from MEC/Exam Date

Section 2: NCHS Survey Identifiers - Participant Identification Numbers

_____

PUBLICID   NHIS Public-use ID

                                      Type: Character   Width: 14

Public use identifier assigned by NCHS.
Researchers linking to 1985-2009 NHIS and LSOA II public-use data should use PUBLICID.

See notes on constructing PUBLICID in NHIS and LSOA II

The previous NHIS - Linked Mortality Files also contained the variable PUBLICID_2. The family serial number was not necessary to uniquely identify a person-level record for the years 1997-2003 but was included in PUBLICID_2 for researchers who preferred to include it. The current file uses only PUBLICID, which was constructed with family serial number for all survey years. To be consistent with previous files, the space for PUBLICID_2 remains but the field is empty.
_____

SEQN   NHANES Respondent Sequence Number

                                      Type: Numeric   Width: 5

Public use identifier assigned by NCHS.
Researchers linking to NHANES III and 1999-2010 NHANES should use SEQN.
_____

Section 3: Death Information

_____

ELIGSTAT   Eligibility Status for Mortality Follow-up

Type: Numeric   Width: 3

1	Eligible
3	Ineligible

Survey participants are defined as ineligible for mortality linkage if they had insufficient identifying data to create a National Death Index submission record. Please note that all survey participants from the survey files are included on the linked mortality files regardless of linkage eligibility. See the Linked Mortality File methodology report for more information.

_____

MORTSTAT   Final Mortality Status

Type: Numeric   Width: 3

0	Assumed alive
1	Assumed deceased
Blank	Ineligible or under age 18

The MORTSTAT variable is NCHS's final determination of vital status and should be used as an outcome variable and to calculate survival. Each survey participant who is eligible for mortality follow-up is assigned a vital status code (0=Assumed alive, 1=Assumed deceased).

_____

Last updated: 2/24/2015

Death Information (Cont.)

Mortality Source. NCHS uses multiple sources of information to determine the final mortality status of a survey participant. Variables indicating which source or sources were used to determine vital status are available on the linked mortality files and are described below. Any combination of these mortality sources was used to identify survey participants as decedents.

MORTSRCE_NDI   Mortality Source: NDI Match

Type: Numeric   Width: 3

1	Yes
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

A code 1 indicates that mortality status was ascertained through a probabilistic match to a National Death Index (NDI) record.

MORTSRCE_SSA   Mortality Source: SSA Information

Type: Numeric   Width: 3

1	Yes
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

A code 1 indicates that mortality status was obtained from the Death Master File or Numident file from the Social Security Administration (SSA).

Death Information (Cont.)

MORTSRCE_CMS   Mortality Source: CMS Information

Type: Numeric   Width: 3

1	Yes
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

A code=1 indicates that mortality status was obtained from the Centers for Medicare and Medicaid Services (CMS).

MORTSRCE_DC   Mortality Source: Death Certificate Match

Type: Numeric   Width: 3

1	Yes
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

Variable is available for NHANES III. MORTSRCE_DC =1 indicates that mortality status was obtained from a death certificate. Death certificates may be reviewed to compare information provided on the death certificate with data collected from NHANES III survey records in order to assist NCHS in determining if a potential National Death Index match record correctly matches the NCHS survey participant.

Last updated: 2/24/2015

Death Information (Cont.)

MORTSRCE_DCL   Mortality Source: Data Collection

Type: Numeric   Width: 3

1	Yes
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

Death information was obtained during the LSOA II follow-up period. Analysts should note that there are records on the LSOA II public-use survey file indicating deceased status but were ineligible for NDI matching. On the linked mortality file, these records are classified as ineligible, and thus have no source of mortality.

Last updated: 2/24/2015

Section 4: Cause of Death

_____

CAUSEAVL   Cause of Death Data Available

                                Type: Numeric   Width: 3

                                1   Yes
                                Blank   Assumed alive, ineligible for mortality follow-up, or
                                                under age 18

Death certificate data is available only for cases where the variable MORTSTAT=1 and MORTSRCE_NDI = 1.
Users should note that it is possible to have an NDI match but no cause of death data available.

_____

UCOD_LEADING   Underlying Cause of Death Recode; Leading Causes

                                Type: Character Width: 3

                                001   Diseases of heart
                                002   Malignant neoplasms
                                003   Chronic lower respiratory diseases
                                004   Accidents (unintentional injuries)
                                005   Cerebrovascular diseases
                                006   Alzheimer's disease
                                007   Diabetes mellitus
                                008   Influenza and pneumonia
                                009   Nephritis, nephrotic syndrome and nephrosis
                                010   All other causes (residual)
                                Blank   Assumed alive, ineligible for mortality follow-up, or
                                                under age 18

UCOD_LEADING is derived from UCOD_113, which is available on the Restricted-use Linked Mortality File.
UCOD_113 was created to assist researchers conducting mortality analyses that span across years using ICD-9
and ICD-10 coding. In UCOD_113, all underlying causes of death were recoded into comparable ICD-10 based
groups. The UCOD_113 codes included in each UCOD_LEADING category are provided in Appendix 3. The
full coding of UCOD_113 is provided in Appendix 4.

_____

DIABETES
HYPERTEN   Flags from Multiple Cause of Death

Type: Numeric   Width: 1

0	No
1	Yes – Condition listed as a multiple cause of death
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

Certain contributing causes of death are only coded in the multiple causes of death codes according to ICD coding rules. The current Public-use Linked Mortality Files do not include the 20 entity-axis multiple causes of death codes. The multiple causes of death codes are only available on the restricted-use versions of the Linked Mortality Files. However, in an effort to increase the utility of the public datasets, NCHS selected two commonly reported conditions found in the multiple causes of death codes (diabetes and hypertension) and included a flag variable for each condition on the public-use versions of the Linked Mortality Files. The flag variables were coded a 1 if specific ICD codes were found in any one of the 20 contributing or multiple causes of death fields as follows.

DIABETES: ICD-9 code '250' or ICD-10 codes 'E10 thru E14' was coded in the entity-axis multiple cause of death codes

HYPERTEN: ICD-9 codes '401' or '403' or ICD-10 codes 'I10' or 'I12' was coded in entity-axis multiple cause of death codes

Last updated: 2/24/2015

Section 5: Survey Specific Data – NHIS and LSOA II

DODQTR   Quarter of Death

Type: Numeric   Width: 3

1-4	Quarter
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

DODYEAR   Year of Death

Type: Numeric   Width: 2

1985 - 2011	Year
Blank	Assumed alive, ineligible for mortality follow-up, or under age 18

WGT_NEW   Weight Adjusted for Ineligible Respondents - Person-level Sample Weight

Type: Numeric   Width: 8

Blank   Ineligible or weights not adjusted

1987-2009 NHIS: Values for WGT_NEW reflect the eligibility adjusted Person-level Sample Weights created to account for those ineligible for linkage to the NDI.

For the 1985 and 1986 NHIS Linked Mortality Files, there are no eligibility adjusted sample weights and WGT_NEW is therefore left blank. NCHS recommends using the final basic weight variable from the public-use files (WTFA).

WGT_NEW is not available for LSOA II.

Last updated: 2/24/2015

Survey Specific Data – NHIS and LSOA II (Cont.)

SA_WGT_NEW   Weight Adjusted for Ineligible Respondents - Sample Adult Sample Weight

Type: Numeric   Width: 8

Blank   Ineligible or not a sample adult

1997-2009 NHIS: SA_WGT_NEW is available on the file. Blank values represent those ineligible or not a sample adult.

1987-1996 NHIS: The Sample Adult Sample Weight is not applicable for the 1987-1996 NHIS analyses and is therefore left blank. NCHS initiated a redesign of the NHIS questionnaire that was implemented in 1997. The Sample Adult File does not exist prior to the 1997 NHIS.

SA_WGT_NEW is not available for LSOA II.

Section 6: Survey Specific Data – NHANES III and 1999-2010

_____

PERMTH_INT   The Number of Person Months of Follow-up from Interview Date

                        Type: Numeric   Width: 3
                                               0 – 277
                                               Blank   Ineligible for mortality follow-up or
                                                              under age 18

_____

PERMTH_EXM   The Number of Person Months of Follow-up from MEC Exam Date

                        Type: Numeric   Width: 3

                                               0 – 272
                                               Blank   Ineligible for mortality follow-up or
                                                              under age 18

_____

Appendix 1: File Layout

Please note that all surveys now use the same file layout and that the data for survey-specific variables will be blank in files for other surveys. Programs to read in the files into SAS or STATA are available on the Linked Mortality File website:
http://www.cdc.gov/nchs/data_access/data_linkage/mortality/data_files_data_dictionaries.htm

Variable	Type	Position	Length	Label
PUBLICID*	character	1-14	14	NHIS, LSOA II Public-use ID Number
SEQN*	character	1-5	5	NHANES Respondent Sequence Number
ELIGSTAT	numeric	15	1	Eligibility Status for Mortality Follow-up
MORTSTAT	numeric	16	1	Final Mortality Status
CAUSEAVL	numeric	17	1	Cause of Death Data Available
UCOD_LEADING	character	18-20	3	Underlying Cause of Death Recode from UCOD_113; Leading Causes
DIABETES	numeric	21	1	Diabetes flag from multiple cause of death
HYPERTEN	numeric	22	1	Hypertension flag from multiple cause of death
DODQTR	numeric	23	1	NHIS, LSOA II Quarter of Death
DODYEAR	numeric	24-27	4	NHIS, LSOA II Year of Death
WGT_NEW	numeric	28-35	8	NHIS Weight Adjusted for Ineligible Respondents - Person-level Sample Weight
SA_WGT_NEW**	numeric	36-43	8	NHIS Weight Adjusted for Ineligible Respondents - Sample Adult Sample Weight
PERMTH_INT	numeric	44-46	3	Person Months of Follow-up from Interview Date
PERMTH_EXM	numeric	47-49	3	Person Months of Follow-up from MEC/Exam Date
MORTSRCE_NDI	numeric	50	1	Mortality Source: NDI Match
MORTSRCE_CMS	numeric	51	1	Mortality Source: SSA Information
MORTSRCE_SSA	numeric	52	1	Mortality Source: CMS Information
MORTSRCE_DC	numeric	53	1	Mortality Source: Death Certificate Match
MORTSRCE_DCL	numeric	54	1	Mortality Source: Data Collection

*PUBLICID and SEQN overlap in position but are not included on the same files.
** THIS FIELD IS BLANK FOR NHIS 1985-1996

Last updated: 2/24/2015

Appendix 2: Notes on Constructing PUBLICID in NHIS and LSOA II

_____

PUBLICID – NHIS Public ID Construction

The NHIS Linked Mortality Data Files are person-level files and can be linked to the NHIS public-use files by matching on the unique person-level NHIS ID number (PUBLICID). LSOA II is a supplement of the NHIS and therefore, construction of PUBLICID applies to this survey as well. Across the NHIS years included in the Linked Mortality Files, NHIS has changed its construction of a unique person-level ID.

The ID number available on the Linked Mortality Files is consistent with the documentation provided for each NHIS year. Below are instructions on constructing a person-level id from the NHIS public-use files that can be merged with the Linked Mortality Files. <u>The PUBLICID variable on the Public-use Linked Mortality Files is in character format with an assigned length of 14.</u>

1986-1994 NHIS
The data items QUARTER x PSU x WEEK x SEGMENT x HOUSEHOLD NUMBER x PERSON NUMBER identify a person within each NHIS year. When combining across NHIS years it is necessary to include the NHIS year as part of the unique person-level ID.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. <u>Note</u>: The NHIS SAS input statements available from the NHIS public-use data website do NOT input all of these variables as character and they must be in character format.

Variable	NHIS Public-use File Location	Variable Length	Description
YEAR	3-4	2	Year of interview
QUARTER	5	1	Calendar quarter of interview
PSUNUMR	6-8	3	Random recode of PSU
WEEKCEN	9-10	2	Week of interview within quarter
SEGNUM	11-12	2	Segment number
HHNUM	13-14	2	Household number
PNUM	15-16	2	Person number within household

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(YEAR||QUARTER||PSUNUMR||WEEKCEN||SEGNUM||HHNUM||PNUM));
```

Stata example: (note this will convert the variables to string variables)
```
egen PUBLICID = concat(YEAR QUARTER PSUNUMR WEEKCEN SEGNUM HHNUM PNUM)
```

Last updated: 2/24/2015

Appendix 2: Notes on Constructing PUBLICID

1995-1996 NHIS
The data items HOUSEHOLD NUMBER x PERSON NUMBER identify a person within each NHIS year. When combining across NHIS years it is necessary to include the NHIS year as part of the unique person-level ID.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. Note: the NHIS SAS input statements available from the NHIS public-use data website do NOT input all of these variables as character and they must be in character format.

Variable	NHIS Public-use File Location	Variable Length	Description
YEAR	3-4	2	Year of interview
HHID	5-14	10	Household number
PNUM	15-16	2	Person number within household

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(YEAR||HHID||PNUM));
```

Stata example: (note this will convert the variables to string variables)
egen PUBLICID = concat(YEAR HHID PNUM)

1997-2003 NHIS
The data items HOUSEHOLD NUMBER x FAMILY NUMBER x PERSON NUMBER identify a person within each NHIS year. When combining across NHIS years it is necessary to include the NHIS year as part of the unique person-level ID.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. Note: the NHIS SAS input statements available from the NHIS public-use data website do NOT input all of these variables as character and they must be in character format.

Variable	NHIS Public-use File Location	Variable Length	Description
SRVY_YR	3-6	4	Year of interview
HHX	7-12	6	Household number
FMX	13-14	2	Family number
PX	15-16	2	Person number within household

Last updated: 2/24/2015

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(SRVY_YR||HHX||FMX||PX));
```

Stata example: (note this will convert the variables to string variables)
egen PUBLICID = concat(SRVY_YR HHX FMX PX)

2004 NHIS
The data items HOUSEHOLD NUMBER x FAMILY NUMBER x PERSON NUMBER identify a person within each NHIS year. When combining across NHIS years it is necessary to include the NHIS year as part of the unique person-level ID.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. <u>Note</u>: the NHIS SAS input statements available from the NHIS public-use data website do NOT input all of these variables as character and they must be in character format.

Variable	NHIS Public-use File Location	Variable Length	Description
SRVY_YR	3-6	4	Year of interview
HHX	7-12	6	Household number
FMX	13-14	2	Family number
FPX	15-16	2	Person number within household

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(SRVY_YR||HHX||FMX||FPX));
```

Stata example: (note this will convert the variables to string variables)
egen PUBLICID = concat(SRVY_YR HHX FMX FPX)

2005 - 2009 NHIS
The data items HOUSEHOLD NUMBER x FAMILY NUMBER x PERSON NUMBER identify a person within each NHIS year. When combining across NHIS years it is necessary to include the NHIS year as part of the unique person-level ID.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. <u>Note</u>: the NHIS SAS input statements available from the NHIS public-use data website do NOT input all of these variables as character and they must be in character format.

Last updated: 2/24/2015

Appendix 2: Notes on Constructing PUBLICID

Variable	NHIS Public-use File Location	Variable Length	Description
SRVY_YR	3-6	4	Year of interview
HHX	7-12	6	Household number
FMX	16-17	2	Family number
FPX	18-19	2	Person number within household

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(SRVY_YR||HHX||FMX||FPX));
```

Stata example: (note this will convert the variables to string variables)
egen PUBLICID = concat(SRVY_YR HHX FMX FPX)

LSOA II

The data items QUARTER x PSU x WEEK x SEGMENT x HOUSEHOLD NUMBER x PERSON NUMBER identify a SOA/LSOA participant.

Each file is in sequence by the following identifying items that can be concatenated to create the unique person identifier. Note: The public id variable on the restricted-use LSOA Linked Mortality Files is in character format and includes YEAR giving it an assigned length of 14.

Variable	SOA Public-use File Location	Variable Length	Description
YEAR	3-4	2	Year of interview
QUARTER	5	1	Calendar quarter of interview
PSU	6-8	3	Random recode of PSU
WEEKPROC	9-10	2	Week of interview within quarter
SEGNUM	11-12	2	Segment number
HHNUM	13-14	2	Household number
PNUM	15-16	2	Person number within household

SAS example:
```
length PUBLICID $14;
PUBLICID= trim(left(YEAR||QUARTER||PSU||WEEKPROC||SEGNUM||HHNUM||PNUM));
```

Stata example: (note this will convert the variables to string variables)
egen PUBLICID = concat(YEAR QUARTER PSU WEEKPROC SEGNUM HHNUM PNUM)

Last updated: 2/24/2015

Appendix 3. Leading causes of death recodes from UCOD_113

UCOD_LEADING Recode	UCOD_113 Recode	Cause Title and ICD-10 Codes Included
001	054 – 064	Diseases of heart (I00-I09, I11, I13, I20-I51)
002	019 – 043	Malignant neoplasms (C00-C97)
003	082 – 086	Chronic lower respiratory diseases (J40-J47)
004	112 – 123	Accidents (unintentional injuries) (V01-X59, Y85-Y86)
005	070	Cerebrovascular diseases (I60-I69)
006	052	Alzheimer's disease (G30)
007	046	Diabetes mellitus (E10-E14)
008	076 – 078	Influenza and pneumonia (J09-J18)
009	097 – 101	Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)
010		All other causes (residual)

Cause of death coding for all U.S. deaths occurring prior to 1999 follows the 9th revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD-9) guidelines, while all deaths after 1998 follows the 10th revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD-10) guidelines. To assist the researcher with analyses that span the entire survey specific mortality period, the UCOD 113 variable was created as a recode of all deaths occurring prior to 1999 coded under ICD-9 guidelines into comparable ICD-10 based underlying cause of death groups. In the public-use linked mortality file, codes from the leading causes of death (UCOD_LEADING) are provided and based on the UCOD_113 variable available on the restricted-use linked mortality file. The coding for UCOD_113 is provided in Appendix 4.

For more on the comparability of ICD-9 and ICD-10 underlying cause of death UCOD 113 recode see: Anderson RN, Minino AM, Hoyert DL, Rosenberg HM. Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates. National Vital Statistics Reports; Vol 49 No.2. Hyattsville, MD: National Center for Health Statistics. 2001. This document is also available on the NCHS website.

Appendix 4: Tenth Revision 113 Selected Causes of Death (UCOD_113)

ST: 1 = Subtotal   Limited: Sex: 1 = Males; 2 = Females
                                       Age: 1 = 5 and over;   2 = 10-54;   3 = 28 days and over;
                                                4 = Under 1 year;   5 = 1-4 years;   6 = 1 year and over;
                                                7 = 10 years and over

****Cause Subtotals are not identified in this file ****

113 Recode	S T	Limited Sex	Age	Cause Title and ICD-10 Codes Included
001				Salmonella infections (A01-A02)
002				Shigellosis and amebiasis (A03,A06)
003				Certain other intestinal infections (A04,A07-A09)
004	1			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			3	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, A54-79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-99)
019	1			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		2		Malignant neoplasm of cervix uteri (C53)
031		2		Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)

Last updated: 2/24/2015

ST: 1 = Subtotal   Limited: Sex: 1 = Males; 2 = Females
                                        Age: 1 = 5 and over;   2 = 10-54;   3 = 28 days and over;
                                              4 = Under 1 year;   5 = 1-4 years;   6 = 1 year and over;
                                              7 = 10 years and over

****Cause Subtotals are not identified in this file ****

113 Recode	S T	Limited Sex	Age	Cause Title and ICD-10 Codes Included
032		2		Malignant neoplasm of ovary (C56)
033		1		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		1		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			3	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	1			Major cardiovascular diseases (I00-I78)
054	1			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	1			Ischemic heart diseases (I20-I25)
059				Acute myocardial infarction (I21-I22)
060				Other acute ischemic heart diseases (I24)
061	1			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)

Last updated: 2/24/2015

ST: 1 = Subtotal   Limited: Sex: 1 = Males; 2 = Females
                                    Age: 1 = 5 and over;   2 = 10-54;   3 = 28 days and over;
                                          4 = Under 1 year;   5 = 1-4 years;   6 = 1 year and over;
                                          7 = 10 years and over

****Cause Subtotals are not identified in this file ****

113 Recode	S T	Limited Sex	Age	Cause Title and ICD-10 Codes Included
064	1			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	1			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	1			Influenza and pneumonia (J10-J18)
077				Influenza (J10-J11)
078				Pneumonia (J12-J18)
079	1			Other acute lower respiratory infections (J20-J22)
080				Acute bronchitis and bronchiolitis (J20-J21)
081				Unspecified acute lower respiratory infection (J22)
082	1			Chronic lower respiratory diseases (J40-J47)
083				Bronchitis, chronic and unspecified (J40-J42)
084			3	Emphysema (J43)
085				Asthma (J45-J46)
086				Other chronic lower respiratory diseases (J44,J47)
087				Pneumoconioses 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	1			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	1			Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)

ST: 1 = Subtotal   Limited: Sex: 1 = Males; 2 = Females
                          Age: 1 = 5 and over;   2 = 10-54;   3 = 28 days and over;
                               4 = Under 1 year;   5 = 1-4 years;   6 = 1 year and over;
                               7 = 10 years and over

****Cause Subtotals are not identified in this file ****

113 Recode	S T	Limited Sex	Age	Cause Title and ICD-10 Codes Included
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	1			Hyperplasia of prostate (N40)
104		2		Inflammatory diseases of female pelvic organs (N70-N76)
105	1	2	7	Pregnancy, childbirth and the puerperium (O00-O99)
106		2	7	Pregnancy with abortive outcome (O00-O07)
107		2	7	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	1			Accidents (unintentional injuries) (V01-X59,Y85-Y86)
113	1			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	1			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)

Last updated: 2/24/2015

Appendix 3: Tenth Revision 113 Selected Causes of Death

ST: 1 = Subtotal   Limited: Sex: 1 = Males; 2 = Females
                            Age: 1 = 5 and over;   2 = 10-54;   3 = 28 days and over;
                                  4 = Under 1 year;   5 = 1-4 years;   6 = 1 year and over;
                                  7 = 10 years and over

****Cause Subtotals are not identified in this file ****

113 Recode	ST	Limited Sex	Limited Age	Cause Title and ICD-10 Codes Included
123				Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)
124	1		1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)
125			1	Intentional self-harm (suicide) by discharge of firearms (X72-X74)
126			1	Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0)
127	1			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	1			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)