

**The National Health Interview Survey 1986 – 2004 Linked Mortality Files
Public-use File Layout**

Variable	Data Type	Position	Length	Field Description
<i>PUBLICID</i>	char	1	14	NHIS Public-use ID – See Detailed Notes
<i>PUBLICID_2</i>	char	15	14	Alternate NHIS Public-use ID for 1997-2003 NHIS years See Detailed Notes
<i>ELIGSTAT</i>	numeric	29	1	Eligibility Status for Mortality Follow-up See Detailed Notes
			1	Eligible
			2	Under age 18, not available for public release ¹
			3	Ineligible
Death Information				
<i>MORTSTAT</i>	numeric	30	1	Final Mortality Status – See Detailed Notes
			0	Assumed alive
			1	Assumed deceased
			Blank	Ineligible for mortality follow-up or under age 18
<i>MORTSRCE_NDI</i>	numeric	31	1	Mortality Source: NDI Match – See Detailed Notes
			0	No
			1	Yes
			Blank	Ineligible for mortality follow-up, under age 18, or assumed alive
<i>MORTSRCE_SSA</i>	numeric	32	1	Mortality Source: SSA Information See Detailed Notes
			0	No
			1	Yes
			Blank	Ineligible for mortality follow-up, under age 18, or assumed alive

¹Data for survey participants 17 years of age and younger at the time of the NHIS survey can be accessed via the NHIS restricted-use linked mortality files in the NCHS Research Data Center (RDC).

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Variable	Data Type	Position	Length	Field Description
<i>MORTSRCE_CMS</i>	numeric	33	1	Mortality Source: CMS Information See Detailed Notes
				0 No
				1 Yes
				9 Not applicable (1986-1993 and 1999-2004 only)
				Blank Ineligible for mortality follow-up, under age 18, or assumed alive
<i>DODQTR</i>	numeric	34	1	Quarter of Death
				01 January-March
				02 April-June
				03 July-September
				04 October-December
				Blank Ineligible for mortality follow-up, under age 18, or assumed alive
<i>DODYEAR</i>	numeric	35	4	Year of Death
				1986 – 2006 Year
				Blank Ineligible for mortality follow-up, under age 18, or assumed alive
Death Certificate Data				
<i>CAUSEAVL</i>	numeric	39	1	Cause of Death Data Available – See Detailed Notes
				0 No
				1 Yes
				Blank Ineligible for mortality follow-up, under age 18, or assumed alive
<i>UCOD_113</i>	char	40	3	ICD-10 (all years) Underlying Cause of Death 113 Groups Recode See Detailed Notes
				001 – 135 Code range
				Blank Ineligible for mortality follow-up, under age 18, assumed alive, or cause of death code not available

**The National Health Interview Survey 1986 – 2004 Linked Mortality Files
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Variable	Data Type	Position	Length	Field Description
Multiple Cause of Death Flags				
<i>DIABETES</i>	numeric	43	1	Diabetes Flag – See Detailed Notes
			0	No
			1	Yes – Diabetes listed as a multiple cause of death
			Blank	Ineligible for mortality follow-up, under age 18, assumed alive, or cause of death code not available
<i>HYPERTEN</i>	numeric	44	1	Hypertension Flag – See Detailed Notes
			0	No
			1	Yes – Hypertension listed as a multiple cause of death
			Blank	Ineligible for mortality follow-up, under age 18, assumed alive, or cause of death code not available
<i>HIPFRACT</i>	numeric	45	1	Hip Fracture Flag – See Detailed Notes
			0	No
			1	Yes – Hip fracture listed as a multiple cause of death
			Blank	Ineligible for mortality follow-up, under age 18, assumed alive, or cause of death code not available

**The National Health Interview Survey 1986 – 2004 Linked Mortality Files
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Variable	Data Type	Position	Length	Field Description
Eligibility Adjusted Weights				
<i>WGT_NEW</i>	numeric	46	8.2	<p>Weight Adjusted for Ineligible Respondents Person-level Sample Weight</p> <p>Blank Ineligible for mortality follow-up or under age 18</p> <p><u>1986 NHIS</u>: Values for <i>WGT_NEW</i> are equal to the annual final basic weight from the 1986 NHIS public-use survey file (WTFA).</p> <p><u>1987-2004 NHIS</u>: Values for <i>WGT_NEW</i> reflect the eligibility adjusted Person-level Sample Weights created to account for those ineligible for linkage to the NDI. See Detailed Notes</p>
<i>SA_WGT_NEW</i>	numeric	54	8.2	<p>Weight Adjusted for Ineligible Respondents Sample Adult Sample Weight</p> <p>Blank Ineligible for mortality follow-up, under age 18, or not a sample adult</p> <p><u>1986-1996 NHIS</u>: The Sample Adult Sample Weight is not applicable for the 1986-1996 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.</p> <p><u>1997-2004 NHIS</u>: <i>SA_WGT_NEW</i> is available on the file. Blank values represent those ineligible or not a sample adult. See Detailed Notes</p>

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

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. 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 NHIS 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 NHIS Linked Mortality Files. The public id variable on the public-use NHIS Linked Mortality Files is in character format with an assigned length of 14.

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. 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.

<u>Item</u>	NHIS Public-use File Location	Variable length	Description
Year (2-digit)	3-4	2	Year of interview
Quarter	5	1	Calendar quarter of interview
PSU	6-8	3	Random recode of PSU
Week	9-10	2	Week of interview within quarter
Segment	11-12	2	Segment number
Household number	13-14	2	Household number
Person number	15-16	2	Person number within household

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

1995-1996 NHIS

The data items HOUSEHOLD ID 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.

<u>Item</u>	NHIS Public-use File Location	Variable length	Description
Year (2-digit)	3-4	2	Year of interview
Household ID	5-14	10	Household ID number
Person number	15-16	2	Person number within household

1997-2003 NHIS

The person-level files (Person, Sample Adult, Sample Child, and Immunization) have been sorted by the Person Number (PX) within the Household Serial Number (HHX) and uniquely 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.

<u>Item</u>	NHIS Public-use File Location	Variable length	Description
Year (4-digit)	3-6	4	Year of interview
Household serial number	7-12	6	Household number
Person number	15-16	2	Person number within household

Note: The family serial number (location 13-14) is not necessary to uniquely identify a person-level record for the years 1997-2003. However, for users who prefer to include the NHIS family serial number in the NHIS public-use Id number, an additional public-use Id, **PUBLICID_2** has been included on the NHIS Linked Mortality Files (only for the NHIS years 1997-2003).

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

To create **PUBLICID_2** concatenate the following identifying items to get the unique person identifier.

<u>Item</u>	NHIS Public-use File Location	Variable length	Description
Year (4-digit)	3-6	4	Year of interview
Household serial number	7-12	6	Household number
Family serial number	13-14	2	Family number
Person number	15-16	2	Person number within household

2004 NHIS

The person-level files (Person, Sample Adult, and Sample Child) have been sorted by Household Serial Number (HHX), Family Sequence Number (FMX) and Person Sequence Number (FPX) and uniquely 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.

<u>Item</u>	NHIS Public-use File Location	Variable length	Description
Year (4-digit)	3-6	4	Year of interview
Household serial number	7-12	6	Household number
Family sequence number	13-14	2	Family number
Person sequence number	15-16	2	Person number

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

ELIGSTAT – Eligibility Status for Mortality Follow-Up

NHIS participants are defined as ineligible for mortality linkage if they had insufficient identifying data to create a National Death Index submission record ([See Mortality Linkage Eligibility, Tables 1 and 2](#)). Linked mortality data for NHIS participants under 18 at the time of the NHIS interview are not included on the public-use versions of the NHIS Linked Mortality files. Researchers interested in analyzing the linked mortality data for NHIS participants under 18 should review the guidelines for accessing the [restricted-use versions](#) of the NHIS Linked Mortality Files.

The eligibility status variable is available to users because ignoring NHIS participants who are ineligible due to insufficient identifying information may lead to biased mortality analysis. To account for this, NCHS developed new sample weights that are available on the 2010 public release NHIS Linked Mortality files (See [Analytic Guidelines](#)).

MORTSTAT – Final Mortality Status

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

MORTALITY SOURCE. NCHS has multiple sources of information to determine the final mortality status of a NHIS 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 were used to identify NHIS participants as decedents.

MORTSRCE_NDI - Mortality Source: NDI Match

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

A code 1 indicates that mortality status was obtained from the Social Security Administration (SSA).

MORTSRCE_CMS - Mortality Source: CMS Information

For the NHIS years 1994-1998, a code 1 indicates that mortality status was obtained from the Centers for Medicare and Medicaid Services (CMS). For the NHIS years 1986-1993 and 1999-2004, CMS is not a source of mortality information. For these years, this variable is coded as not applicable.

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

CAUSEAVL – Cause of Death Data Available

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_113 - Underlying Cause of Death 113 Groups All Years (ICD-10)

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.

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.

For more information regarding ICD-9 coding guidelines see the Manual of the International Statistical Classification of Diseases , Injuries, and Causes of Death: Based on the Recommendations of the Ninth Revision Conference, 1975, and Adopted by the Twenty-ninth World Health Assembly, Volume 1, 1977 (World Health Organization).

For more information regarding ICD-10 coding guidelines see the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. (World Health Organization) 1992. Revision, Volume 1.

DIABETES, HYPERTENS, & HIPFRACT—Multiple cause of death flags

Certain contributing causes of death are only coded in the multiple causes of death codes according to ICD coding rules. The current NHIS Linked Mortality Public-use 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 NHIS Linked Mortality Files. However, in an effort to increase the utility of the public datasets, NCHS selected the three most commonly reported conditions found in the multiple causes of death codes (diabetes, hypertension, and hip fracture) and included a flag variable for each condition on the public-use versions of the NHIS 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:

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

DIABETES = '1' if ICD-9 code '250' or ICD-10 codes 'E10 thru E14' was coded in the entity-axis multiple cause of death codes

HYPERTENS = '1' if ICD-9 codes '401' or '403' or ICD-10 codes 'I10' or 'I12' was coded in entity-axis multiple cause of death codes

HIPFRACT = '1' ICD-9 code 'E820' or ICD-10 codes 'S720 thru S722' were coded in entity-axis multiple cause of death codes

ELIGIBILITY ADJUSTED WEIGHT VARIABLES

For the 1986 NHIS Linked Mortality File, there are no eligibility adjusted sample weights. NCHS recommends using the public-use annual final basic weight (WTFA). For the analyst's convenience, the variable WGT_NEW has been populated with the values of WTFA on the 1986 NHIS Linked Mortality File.

For the 1987-2004 Linked Mortality Files, NHIS participants classified as eligible for mortality follow-up had their original NHIS sampling weight adjusted to account for those ineligible for linkage to the NDI. Ignoring those ineligible in the NHIS Linked Mortality Files may lead to biased mortality estimates. For 1987-1996 NHIS, there is one eligibility adjusted sample weight, WGT_NEW. For 1997-2004, two eligibility adjusted sample weights have been provided: WGT_NEW and SA_WGT_NEW. [See Analytic Guidelines.](#)

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

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	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)
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)

The National Health Interview Survey (1986 - 2004) Linked Mortality Files

Public-use Detailed Notes for Selected Variables

Tenth Revision 113 Selected Causes of Death

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Cause Subtotals are not identified in this file

113	S	Limited		
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
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)
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)

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

Tenth Revision 113 Selected Causes of Death

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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
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)
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)

The National Health Interview Survey (1986 - 2004) Linked Mortality Files Public-use Detailed Notes for Selected Variables

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	S T	Limited Sex	Age	Cause Title and ICD-10 Codes Included
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)
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)