

**2021 MORTALITY RESTRICTED-USE
FILE RECORD LAYOUT**

List of Data Elements and Tape Locations

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List of Data Elements and Tape Locations

Data Elements

Tape Locations

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
19	1	<u>Record Type</u>
	1	... RESIDENTS State and County of Occurrence and Residence are the same.
	2	... NONRESIDENTS State and/or County of Occurrence and Residence are different.
20	1	<u>Resident Status</u>
		United States Occurrence
	1	... RESIDENTS State and County of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but County is different.
	3	... INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S.
	4	... FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S.

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
21-54	34	<u>FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) GEOGRAPHIC CODES</u>

Refer to [Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 \(cdc.gov\)](#) for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. Some geographic codes have been changed to reflect the results of the 2000 Census. As of data year 2014, the following variables that are aggregated from county data are no longer included on the mortality file: Metropolitan--Nonmetropolitan County of Residence, Primary Metropolitan Statistical Areas (PMSA)/ Metropolitan Statistical Areas (MSA) of Residence (FIPS), PMSA/MSA Size of Residence, and Consolidated Metropolitan Statistical Area (CMSA) of Residence (FIPS). When using county and city variables, be aware that the boundaries of these geographic areas may change over time.

21-28	8	<u>PLACE OF OCCURRENCE</u>
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21-22	2	<u>State of Occurrence (FIPS)</u>
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United States

AL	...	Alabama
AK	...	Alaska
AZ	...	Arizona
AR	...	Arkansas
CA	...	California
CO	...	Colorado
CT	...	Connecticut
DE	...	Delaware
DC	...	District of Columbia
FL	...	Florida
GA	...	Georgia
HI	...	Hawaii
ID	...	Idaho
IL	...	Illinois
IN	...	Indiana
IA	...	Iowa
KS	...	Kansas
KY	...	Kentucky
LA	...	Louisiana
ME	...	Maine
MD	...	Maryland
MA	...	Massachusetts
MI	...	Michigan
MN	...	Minnesota
MS	...	Mississippi
MO	...	Missouri
MT	...	Montana
NE	...	Nebraska
NV	...	Nevada
NH	...	New Hampshire

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		NJ ... New Jersey
		NM ... New Mexico
		NY ... New York
		NC ... North Carolina
		ND ... North Dakota
		OH ... Ohio
		OK ... Oklahoma
		OR ... Oregon
		PA ... Pennsylvania
		RI ... Rhode Island
		SC ... South Carolina
		SD ... South Dakota
		TN ... Tennessee
		TX ... Texas
		UT ... Utah
		VT ... Vermont
		VA ... Virginia
		WA ... Washington
		WV ... West Virginia
		WI ... Wisconsin
		WY ... Wyoming
		 Puerto Rico
		PR ... Puerto Rico
		 Virgin Islands
		VI ... Virgin Islands
		 Guam
		GU ... Guam
		 American Samoa
		AS ... American Samoa
		 Northern Marianas
		MP ... Northern Marianas

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
23-25	3	<u>County of Occurrence (FIPS)</u> Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) . 001-nnn ... Code range
26-27	2	<u>Expanded State of Occurrence Code</u> This item is designed to separately identify New York City records (YC) from other New York State records. Note: YC is not an official FIPS code. United States AL ... Alabama AK ... Alaska AZ ... Arizona AR ... Arkansas CA ... California CO ... Colorado CT ... Connecticut DE ... Delaware DC ... District of Columbia FL ... Florida GA ... Georgia HI ... Hawaii ID ... Idaho IL ... Illinois IN ... Indiana IA ... Iowa KS ... Kansas KY ... Kentucky LA ... Louisiana ME ... Maine MD ... Maryland MA ... Massachusetts MI ... Michigan MN ... Minnesota MS ... Mississippi MO ... Missouri MT ... Montana NE ... Nebraska NV ... Nevada NH ... New Hampshire NJ ... New Jersey NM ... New Mexico NY ... New York

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		YC ... New York City
		NC ... North Carolina
		ND ... North Dakota
		OH ... Ohio
		OK ... Oklahoma
		OR ... Oregon
		PA ... Pennsylvania
		RI ... Rhode Island
		SC ... South Carolina
		SD ... South Dakota
		TN ... Tennessee
		TX ... Texas
		UT ... Utah
		VT ... Vermont
		VA ... Virginia
		WA ... Washington
		WV ... West Virginia
		WI ... Wisconsin
		WY ... Wyoming
		 Puerto Rico
		PR ... Puerto Rico
		 Virgin Islands
		VI ... Virgin Islands
		 Guam
		GU ... Guam
		 American Samoa
		AS ... American Samoa
		 Northern Marianas
		MP ... Northern Marianas

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
28	1	<u>Population Size of County of Occurrence</u> Based on the results of the 2000 Census 0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 4 ... County of 50,000 to 100,000 5 ... County of 25,000 to 50,000 6 ... County of 10,000 to 25,000 9 ... County less than 10,000
29-54	24	<u>PLACE OF RESIDENCE</u> Refer to Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) for a detailed list of areas and codes. Beginning with 2003 data, some areas started reporting additional codes for foreign residents.
29-30	2	<u>State of Residence (FIPS)</u> US Occurrence ZZ ... Foreign residents AL ... Alabama AK ... Alaska AZ ... Arizona AR ... Arkansas CA ... California CO ... Colorado CT ... Connecticut DE ... Delaware DC ... District of Columbia FL ... Florida GA ... Georgia HI ... Hawaii ID ... Idaho IL ... Illinois IN ... Indiana IA ... Iowa KS ... Kansas KY ... Kentucky LA ... Louisiana ME ... Maine MD ... Maryland MA ... Massachusetts MI ... Michigan MN ... Minnesota MS ... Mississippi

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		MO ... Missouri
		MT ... Montana
		NE ... Nebraska
		NV ... Nevada
		NH ... New Hampshire
		NJ ... New Jersey
		NM ... New Mexico
		NY ... New York
		NC ... North Carolina
		ND ... North Dakota
		OH ... Ohio
		OK ... Oklahoma
		OR ... Oregon
		PA ... Pennsylvania
		RI ... Rhode Island
		SC ... South Carolina
		SD ... South Dakota
		TN ... Tennessee
		TX ... Texas
		UT ... Utah
		VT ... Vermont
		VA ... Virginia
		WA ... Washington
		WV ... West Virginia
		WI ... Wisconsin
		WY ... Wyoming
		 Territories
		PR ... Puerto Rico
		VI ... Virgin Islands
		GU ... Guam
		AS ... American Samoa
		MP ... Northern Marianas
		 Puerto Rico Occurrence
		PR ... Puerto Rico
		AL-WY,VI, AS,GU,MP,ZZ ... Foreign residents: refer to U.S. for specific code structure.
		 Virgin Islands Occurrence
		VI ... Virgin Islands
		AL-WY,PR, AS,GU,MP,ZZ ... Foreign residents: refer to U.S. for specific code structure.

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		Guam Occurrence
		GU ... Guam
		AL-WY ... U.S. resident. Also considered a resident of Guam.
		PR,AS,VI,MP,ZZ ... Foreign residents: refer to U.S. for specific code structure.
		American Samoa Occurrence
		AS ... American Samoa
		AL-WY,PR,VI, GU,MP,ZZ ... Foreign residents: refer to U.S. for specific code structure.
		Northern Marianas Occurrence
		MP ... Northern Marianas
		AL-WY,PR,VI, GU,AS,ZZ ... Foreign residents: refer to U.S. for specific code structure.
31-32	2	<u>Country of Residence</u>
		US Occurrence
		Countries have alphabetic values. A complete list of countries is shown in Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) .
		AA-ZZ ... Code range
33-34	2	<u>State/Country of Residence Recode</u>
		See Country of Residence (location 31-32) for detailed Country information. Note: Canada (CC) and Remainder of world (YY) are not the official FIPS code.
		United States Occurrence
		AL ... Alabama
		AK ... Alaska
		AZ ... Arizona
		AR ... Arkansas
		CA ... California
		CO ... Colorado
		CT ... Connecticut
		DE ... Delaware
		DC ... District of Columbia
		FL ... Florida
		GA ... Georgia

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
	HI	... Hawaii
	ID	... Idaho
	IL	... Illinois
	IN	... Indiana
	IA	... Iowa
	KS	... Kansas
	KY	... Kentucky
	LA	... Louisiana
	ME	... Maine
	MD	... Maryland
	MA	... Massachusetts
	MI	... Michigan
	MN	... Minnesota
	MS	... Mississippi
	MO	... Missouri
	MT	... Montana
	NE	... Nebraska
	NV	... Nevada
	NH	... New Hampshire
	NJ	... New Jersey
	NM	... New Mexico
	NY	... New York
	NC	... North Carolina
	ND	... North Dakota
	OH	... Ohio
	OK	... Oklahoma
	OR	... Oregon
	PA	... Pennsylvania
	RI	... Rhode Island
	SC	... South Carolina
	SD	... South Dakota
	TN	... Tennessee
	TX	... Texas
	UT	... Utah
	VT	... Vermont
	VA	... Virginia
	WA	... Washington
	WV	... West Virginia
	WI	... Wisconsin
	WY	... Wyoming
	Territorial residents	
	PR	... Puerto Rico
	VI	... Virgin Islands
	GU	... Guam
	AS	... American Samoa
	MP	... Northern Marianas
	Foreign residents	
	CC	... Canada

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		MX ... Mexico CU ... Cuba YY ... Remainder of the world
		Puerto Rico Occurrence
		PR ... Puerto Rico AL-ZZ ... Foreign residents: refer to U.S. for specific code structure.
		Virgin Islands Occurrence
		VI ... Virgin Islands AL-ZZ ... Foreign residents: refer to U.S. for specific code structure.
		Guam Occurrence
		GU ... Guam AL-WY ... U.S. resident. Also considered a resident of Guam PR,VI,AS,MP,ZZ ... Foreign residents: refer to U.S. for specific code structure.
		American Samoa Occurrence
		AS ... American Samoa AL-ZZ ... Foreign residents: refer to U.S. for specific code structure.
		Northern Marianas Occurrence
		MP ... Northern Marianas AL-ZZ ... Foreign residents: refer to U.S. for specific code structure.
35-37	3	<u>County of Residence (FIPS)</u> Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) . 000 ... Foreign residents 001-nnn ... Code range

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
38-42	5	<u>City of Residence (FIPS)</u> A complete list of cities is shown in Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) . Effective with the 2014 data year, the FIPS place code has been added to the Mortality record. 00000 ... Foreign residents 0001- nnnnn ... Code range
43	1	<u>Population Size of City of Residence</u> Based on the results of the 2000 Census. 0 ... Place of 1,000,000 or more 1 ... Place of 500,000 to 1,000,000 2 ... Place of 250,000 to 500,000 3 ... Place of 100,000 to 250,000 4 ... Place of 50,000 to 100,000 5 ... Place of 25,000 to 50,000 6 ... Place of 10,000 to 25,000 9 ... Place of less than 10,000 Z ... Foreign residents
44	1	<u>Reserved Position</u>
45-46	2	<u>Expanded State of Residence Code</u> This item is designed to separately identify New York City records (YC) from other New York State records. Note: YC, CC, and YY are not official FIPS codes. United States Occurrence AL ... Alabama AK ... Alaska AZ ... Arizona AR ... Arkansas CA ... California CO ... Colorado CT ... Connecticut DE ... Delaware DC ... District of Columbia FL ... Florida GA ... Georgia HI ... Hawaii ID ... Idaho IL ... Illinois IN ... Indiana IA ... Iowa KS ... Kansas

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Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		KY ... Kentucky
		LA ... Louisiana
		ME ... Maine
		MD ... Maryland
		MA ... Massachusetts
		MI ... Michigan
		MN ... Minnesota
		MS ... Mississippi
		MO ... Missouri
		MT ... Montana
		NE ... Nebraska
		NV ... Nevada
		NH ... New Hampshire
		NJ ... New Jersey
		NM ... New Mexico
		NY ... New York
		YC ... New York City
		NC ... North Carolina
		ND ... North Dakota
		OH ... Ohio
		OK ... Oklahoma
		OR ... Oregon
		PA ... Pennsylvania
		RI ... Rhode Island
		SC ... South Carolina
		SD ... South Dakota
		TN ... Tennessee
		TX ... Texas
		UT ... Utah
		VT ... Vermont
		VA ... Virginia
		WA ... Washington
		WV ... West Virginia
		WI ... Wisconsin
		WY ... Wyoming

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
Territorial residents		
	PR ...	Puerto Rico
	VI ...	Virgin Islands
	GU ...	Guam
	AS ...	American Samoa
	MP ...	Northern Marianas
Foreign residents		
	CC ...	Canada
	MX ...	Mexico
	CU ...	Cuba
	YY ...	Remainder of the world
	ZZ ...	Country not classifiable
Puerto Rico Occurrence		
	PR ...	Puerto Rico
	AL-ZZ ...	Foreign residents: refer to U.S. for specific code structure.
Virgin Islands Occurrence		
	VI ...	Virgin Islands
	AL-ZZ ...	Foreign residents: refer to U.S. for specific code structure.
Guam Occurrence		
	GU ...	Guam
	AL-WY ...	U.S. resident. Also considered a resident of Guam.
	PR,VI,AS,MP,ZZ ...	Foreign residents: refer to U.S. for specific code structure.
American Samoa Occurrence		
	AS ...	American Samoa
	AL-ZZ ...	Foreign residents: refer to U.S. for specific code structure.
Northern Marianas Occurrence		
	MP ...	Northern Marianas
	AL-ZZ ...	Foreign residents: refer to U.S. for specific code structure.

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>																																																																								
47-50	4	<u>Reserved Positions</u>																																																																								
51	1	<u>Population Size of County of Residence</u> Based on the results of the 2000 Census <table border="0" style="margin-left: 20px;"> <tr><td>0</td><td>...</td><td>County of 1,000,000 or more</td></tr> <tr><td>1</td><td>...</td><td>County of 500,000 to 1,000,000</td></tr> <tr><td>2</td><td>...</td><td>County of 250,000 to 500,000</td></tr> <tr><td>3</td><td>...</td><td>County of 100,000 to 250,000</td></tr> <tr><td>4</td><td>...</td><td>County of 50,000 to 100,000</td></tr> <tr><td>5</td><td>...</td><td>County of 25,000 to 50,000</td></tr> <tr><td>6</td><td>...</td><td>County of 10,000 to 25,000</td></tr> <tr><td>9</td><td>...</td><td>County of less than 10,000</td></tr> <tr><td>Z</td><td>...</td><td>Foreign residents</td></tr> </table>	0	...	County of 1,000,000 or more	1	...	County of 500,000 to 1,000,000	2	...	County of 250,000 to 500,000	3	...	County of 100,000 to 250,000	4	...	County of 50,000 to 100,000	5	...	County of 25,000 to 50,000	6	...	County of 10,000 to 25,000	9	...	County of less than 10,000	Z	...	Foreign residents																																													
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Z	...	Foreign residents																																																																								
52-54	3	<u>Reserved Positions</u>																																																																								
55-60	6	<u>Place of Birth (FIPS)</u> Refer to Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) for a detailed list of areas and codes. Beginning with 2003 data, some areas started reporting additional codes for foreign residents.																																																																								
55-56	2	<u>State of Birth (FIPS)</u> <table border="0" style="margin-left: 20px;"> <tr><td>ZZ</td><td>...</td><td>Unknown, blank, or Canadian province</td></tr> <tr><td>AL</td><td>...</td><td>Alabama</td></tr> <tr><td>AK</td><td>...</td><td>Alaska</td></tr> <tr><td>AZ</td><td>...</td><td>Arizona</td></tr> <tr><td>AR</td><td>...</td><td>Arkansas</td></tr> <tr><td>CA</td><td>...</td><td>California</td></tr> <tr><td>CO</td><td>...</td><td>Colorado</td></tr> <tr><td>CT</td><td>...</td><td>Connecticut</td></tr> <tr><td>DE</td><td>...</td><td>Delaware</td></tr> <tr><td>DC</td><td>...</td><td>District of Columbia</td></tr> <tr><td>FL</td><td>...</td><td>Florida</td></tr> <tr><td>GA</td><td>...</td><td>Georgia</td></tr> <tr><td>HI</td><td>...</td><td>Hawaii</td></tr> <tr><td>ID</td><td>...</td><td>Idaho</td></tr> <tr><td>IL</td><td>...</td><td>Illinois</td></tr> <tr><td>IN</td><td>...</td><td>Indiana</td></tr> <tr><td>IA</td><td>...</td><td>Iowa</td></tr> <tr><td>KS</td><td>...</td><td>Kansas</td></tr> <tr><td>KY</td><td>...</td><td>Kentucky</td></tr> <tr><td>LA</td><td>...</td><td>Louisiana</td></tr> <tr><td>ME</td><td>...</td><td>Maine</td></tr> <tr><td>MD</td><td>...</td><td>Maryland</td></tr> <tr><td>MA</td><td>...</td><td>Massachusetts</td></tr> <tr><td>MI</td><td>...</td><td>Michigan</td></tr> </table>	ZZ	...	Unknown, blank, or Canadian province	AL	...	Alabama	AK	...	Alaska	AZ	...	Arizona	AR	...	Arkansas	CA	...	California	CO	...	Colorado	CT	...	Connecticut	DE	...	Delaware	DC	...	District of Columbia	FL	...	Florida	GA	...	Georgia	HI	...	Hawaii	ID	...	Idaho	IL	...	Illinois	IN	...	Indiana	IA	...	Iowa	KS	...	Kansas	KY	...	Kentucky	LA	...	Louisiana	ME	...	Maine	MD	...	Maryland	MA	...	Massachusetts	MI	...	Michigan
ZZ	...	Unknown, blank, or Canadian province																																																																								
AL	...	Alabama																																																																								
AK	...	Alaska																																																																								
AZ	...	Arizona																																																																								
AR	...	Arkansas																																																																								
CA	...	California																																																																								
CO	...	Colorado																																																																								
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HI	...	Hawaii																																																																								
ID	...	Idaho																																																																								
IL	...	Illinois																																																																								
IN	...	Indiana																																																																								
IA	...	Iowa																																																																								
KS	...	Kansas																																																																								
KY	...	Kentucky																																																																								
LA	...	Louisiana																																																																								
ME	...	Maine																																																																								
MD	...	Maryland																																																																								
MA	...	Massachusetts																																																																								
MI	...	Michigan																																																																								

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		MN ... Minnesota
		MS ... Mississippi
		MO ... Missouri
		MT ... Montana
		NE ... Nebraska
		NV ... Nevada
		NH ... New Hampshire
		NJ ... New Jersey
		NM ... New Mexico
		NY ... New York
		NC ... North Carolina
		ND ... North Dakota
		OH ... Ohio
		OK ... Oklahoma
		OR ... Oregon
		PA ... Pennsylvania
		RI ... Rhode Island
		SC ... South Carolina
		SD ... South Dakota
		TN ... Tennessee
		TX ... Texas
		UT ... Utah
		VT ... Vermont
		VA ... Virginia
		WA ... Washington
		WV ... West Virginia
		WI ... Wisconsin
		WY ... Wyoming
		Territories
		PR ... Puerto Rico
		VI ... Virgin Islands
		GU ... Guam
		AS ... American Samoa
		MP ... Northern Marianas

57-58 2 Country of Birth

Countries have alphabetic values. A complete list of countries is shown in [Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 \(cdc.gov\)](#).

AA-ZZ ... Code range

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>																																				
59-60	2	<u>State/Country of Birth Recode</u> See Country of Birth (location 57-58) for detailed country codes. Note: CC and YY are not official FIPS codes.																																				
61-62	2	<u>Reserved Positions</u>																																				
63-64	2	<u>EDUCATION</u> This variable reflects the 2003 revision of the death certificate and is not directly comparable with the 1989 version of the variable. Note that reporting areas gradually transitioned to the 2003 revision during the 2003-2017 period. As of 2018, all states had completed the transition, so the education variable based on the 1989 revision was removed from the file.																																				
63	1	<u>Education</u> <table border="0"> <tr><td>1</td><td>...</td><td>8th grade or less</td></tr> <tr><td>2</td><td>...</td><td>9 - 12th grade, no diploma</td></tr> <tr><td>3</td><td>...</td><td>high school graduate or GED completed</td></tr> <tr><td>4</td><td>...</td><td>some college credit, but no degree</td></tr> <tr><td>5</td><td>...</td><td>Associate degree</td></tr> <tr><td>6</td><td>...</td><td>Bachelor's degree</td></tr> <tr><td>7</td><td>...</td><td>Master's degree</td></tr> <tr><td>8</td><td>...</td><td>Doctorate or professional degree</td></tr> <tr><td>9</td><td>...</td><td>Unknown</td></tr> </table>	1	...	8th grade or less	2	...	9 - 12th grade, no diploma	3	...	high school graduate or GED completed	4	...	some college credit, but no degree	5	...	Associate degree	6	...	Bachelor's degree	7	...	Master's degree	8	...	Doctorate or professional degree	9	...	Unknown									
1	...	8th grade or less																																				
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8	...	Doctorate or professional degree																																				
9	...	Unknown																																				
64	1	<u>Education reporting flag</u> <table border="0"> <tr><td>1</td><td>...</td><td>Education item on certificate</td></tr> <tr><td>2</td><td>...</td><td>No education item on certificate</td></tr> </table>	1	...	Education item on certificate	2	...	No education item on certificate																														
1	...	Education item on certificate																																				
2	...	No education item on certificate																																				
65-68	4	<u>DATE OF DEATH</u> (Note year of death is given in tape locations 102-105.)																																				
65-66	2	<u>Month of Death</u> <table border="0"> <tr><td>01</td><td>...</td><td>January</td></tr> <tr><td>02</td><td>...</td><td>February</td></tr> <tr><td>03</td><td>...</td><td>March</td></tr> <tr><td>04</td><td>...</td><td>April</td></tr> <tr><td>05</td><td>...</td><td>May</td></tr> <tr><td>06</td><td>...</td><td>June</td></tr> <tr><td>07</td><td>...</td><td>July</td></tr> <tr><td>08</td><td>...</td><td>August</td></tr> <tr><td>09</td><td>...</td><td>September</td></tr> <tr><td>10</td><td>...</td><td>October</td></tr> <tr><td>11</td><td>...</td><td>November</td></tr> <tr><td>12</td><td>...</td><td>December</td></tr> </table>	01	...	January	02	...	February	03	...	March	04	...	April	05	...	May	06	...	June	07	...	July	08	...	August	09	...	September	10	...	October	11	...	November	12	...	December
01	...	January																																				
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11	...	November																																				
12	...	December																																				

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
67-68	2	<u>Day</u>
		01-31 ... As applicable to month of death
		99 ... Not stated day of death
69	1	<u>Sex</u>
		M ... Male
		F ... Female
70-82	13	<u>REPORTED AGE</u>
70-73	4	<u>Detail Age</u>
		Four positions are used to code detail age. Location 70 identifies age in years, months, days, etc. Locations 71-73 are the number of years, months, days, etc.
		1 001-135,999 ... Years
		2 001-011,999 ... Months
		4 001-027,999 ... Days
		5 001-023,999 ... Hours
		6 001-059,999 ... Minutes
		9 999 ... Age not stated
74	1	<u>Age Substitution Flag</u>
		If reported age is unknown but a valid age is calculated using dates of birth and death, the calculated age is substituted for the unknown reported age.
		Blank ... Calculated age is not substituted for reported age
		1 ... Calculated age is substituted for reported age
75-76	2	<u>Age Recode 52</u>
		01 ... Under 1 hour (includes not stated hours and minutes)
		02 ... 1 - 23 hours
		03 ... 1 day (includes not stated days)
		04 ... 2 days
		05 ... 3 days
		06 ... 4 days
		07 ... 5 days
		08 ... 6 days
		09 ... 7 - 13 days (includes not stated weeks)
		10 ... 14 - 20 days
		11 ... 21 - 27 days
		12 ... 1 month (includes not stated months)
		13 ... 2 months
		14 ... 3 months
		15 ... 4 months
		16 ... 5 months

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		17 ... 6 months
		18 ... 7 months
		19 ... 8 months
		20 ... 9 months
		21 ... 10 months
		22 ... 11 months
		23 ... 1 year
		24 ... 2 years
		25 ... 3 years
		26 ... 4 years
		27 ... 5 - 9 years
		28 ... 10 - 14 years
		29 ... 15 - 19 years
		30 ... 20 - 24 years
		31 ... 25 - 29 years
		32 ... 30 - 34 years
		33 ... 35 - 39 years
		34 ... 40 - 44 years
		35 ... 45 - 49 years
		36 ... 50 - 54 years
		37 ... 55 - 59 years
		38 ... 60 - 64 years
		39 ... 65 - 69 years
		40 ... 70 - 74 years
		41 ... 75 - 79 years
		42 ... 80 - 84 years
		43 ... 85 - 89 years
		44 ... 90 - 94 years
		45 ... 95 - 99 years
		46 ... 100 - 104 years
		47 ... 105 - 109 years
		48 ... 110 - 114 years
		49 ... 115 - 119 years
		50 ... 120 - 124 years
		51 ... 125 years and over
		52 ... Age not stated
77-78	2	<u>Age Recode 27</u>
		01 ... Under 1 month (includes not stated weeks, days, hours, and minutes)
		02 ... 1 month - 11 months (includes not stated months)
		03 ... 1 year
		04 ... 2 years
		05 ... 3 years
		06 ... 4 years
		07 ... 5 - 9 years
		08 ... 10 - 14 years
		09 ... 15 - 19 years
		10 ... 20 - 24 years

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		11 ... 25 - 29 years
		12 ... 30 - 34 years
		13 ... 35 - 39 years
		14 ... 40 - 44 years
		15 ... 45 - 49 years
		16 ... 50 - 54 years
		17 ... 55 - 59 years
		18 ... 60 - 64 years
		19 ... 65 - 69 years
		20 ... 70 - 74 years
		21 ... 75 - 79 years
		22 ... 80 - 84 years
		23 ... 85 - 89 years
		24 ... 90 - 94 years
		25 ... 95 - 99 years
		26 ... 100 years and over
		27 ... Age not stated
79-80	2	<u>Age Recode 12</u>
		01 ... Under 1 year (includes not stated infant ages)
		02 ... 1 - 4 years
		03 ... 5 - 14 years
		04 ... 15 - 24 years
		05 ... 25 - 34 years
		06 ... 35 - 44 years
		07 ... 45 - 54 years
		08 ... 55 - 64 years
		09 ... 65 - 74 years
		10 ... 75 - 84 years
		11 ... 85 years and over
		12 ... Age not stated

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
81-82	2	<u>Infant Age Recode 22</u>
		Blank ... Age 1 year and over or not stated
		01 ... Under 1 hour (includes not stated hours and minutes)
		02 ... 1 - 23 hours
		03 ... 1 day (includes not stated days)
		04 ... 2 days
		05 ... 3 days
		06 ... 4 days
		07 ... 5 days
		08 ... 6 days
		09 ... 7 days (includes not stated weeks)
		10 ... 14 - 20 days
		11 ... 21 - 27 days
		12 ... 1 month (includes not stated months)
		13 ... 2 months
		14 ... 3 months
		15 ... 4 months
		16 ... 5 months
		17 ... 6 months
		18 ... 7 months
		19 ... 8 months
		20 ... 9 months
		21 ... 10 months
		22 ... 11 months
83	1	<u>Place of Death and Decedent's Status</u>
		1 ... Hospital, clinic or Medical Center - Inpatient
		2 ... Hospital, Clinic or Medical Center - Outpatient or admitted to Emergency Room
		3 ... Hospital, Clinic or Medical Center - Dead on Arrival
		4 ... Decedent's home
		5 ... Hospice facility
		6 ... Nursing home/long term care
		7 ... Other
		9 ... Place of death unknown
84	1	<u>Marital Status</u>
		S ... Never married, single
		M ... Married (Includes "A", married but separated)
		W ... Widowed
		D ... Divorced
		U ... Marital Status unknown

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>	
85	1	<u>Day of Week of Death</u>	
		1	... Sunday
		2	... Monday
		3	... Tuesday
		4	... Wednesday
		5	... Thursday
		6	... Friday
		7	... Saturday
		9	... Unknown
86-93	8	<u>DATE OF BIRTH</u>	
86-87	2	<u>Month</u>	
		01	... January
		02	... February
		03	... March
		04	... April
		05	... May
		06	... June
		07	... July
		08	... August
		09	... September
		10	... October
		11	... November
		12	... December
		99	... Unknown
88-89	2	<u>Day</u>	
		01-31	... As applicable to month of birth
		99	... Unknown day of birth
90-93	4	<u>Year</u>	
		1887-2021	... Code range
		9999	... Unknown

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
102-105	4	<u>Current Data Year</u> 2021 ... 2021
106	1	<u>Injury at Work</u> Y ... Yes N ... No U ... Unknown
107	1	<u>Manner of Death</u> 1 ... Accident 2 ... Suicide 3 ... Homicide 4 ... Pending investigation 5 ... Could not determine 6 ... Self-Inflicted 7 ... Natural Blank ... Not specified

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
108	1	<u>Method of Disposition</u> B ... Burial C ... Cremation D ... Donation E ... Entombment O ... Other R ... Removal from jurisdiction U ... Unknown
109	1	<u>Autopsy</u> Y ... Yes N ... No U ... Unknown
110	1	<u>Certifier</u> D ... Certifying physician P ... Pronouncing & certifying physician M ... Medical examiner or coroner O ... Other
111-140	30	<u>Certifier Literal</u> Literal text for registration areas that allow other types of certifiers to report cause of death. Blank for records with D, P, M, or O codes.
141	1	<u>Pregnancy Status Substitution Flag</u> 1 ... Pregnancy status value is substituted Blank ... Pregnancy status value is not substituted
142	1	<u>Tobacco use contributed to death</u> Y ... Yes N ... No P ... Probably U ... Unknown Blank ... Not on certificate

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
143	1	<u>Pregnancy Status</u> 1 ... Not pregnant within the past year 2 ... Pregnant at time of death 3 ... Not pregnant, but pregnant within 42 days of death 4 ... Not pregnant, but pregnant 43 days to 1 year before death 7 ... Not on certificate 8 ... Not applicable 9 ... Unknown if pregnant within last year
144	1	<u>Activity Code</u> 0 ... While engaged in sports activity 1 ... While engaged in leisure activity 2 ... While working for income 3 ... While engaged in other types of work 4 ... While resting, sleeping, eating (vital activities) 8 ... While engaged in other specified activities 9 ... During unspecified activity Blank ... Not applicable
145	1	<u>Place of Injury for Causes W00-Y34, except Y06.- and Y07.-</u> 0 ... Home 1 ... Residential institution 2 ... School, other institution and public administrative area 3 ... Sports and athletics area 4 ... Street and highway 5 ... Trade and service area 6 ... Industrial and construction area 7 ... Farm 8 ... Other Specified Places 9 ... Unspecified place Blank ... Causes other than W00-Y34, except Y06.- and Y07.-
146-162	17	<u>UNDERLYING CAUSE OF DEATH</u>
146-149	4	<u>ICD Code (10th Revision)</u> See ICD-10, International Statistical Classification of Diseases and Related Health Statistical Classification of Diseases and Related Health Problems. Tabular List, 2022 (cdc.gov) .
150-152	3	<u>358 Cause Recode</u> A recode of the ICD cause code into 358 groups for NCHS publications. A complete list of recodes and the causes included is shown at the end of this document.

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		001-456 ... Code range (not inclusive)
153	1	Reserved Position
154-156	3	<u>113 Cause Recode</u> A recode of the ICD cause code into 113 groups for NCHS publications. A complete list of recodes and the causes included is shown at the end of this document.
		001-135 ... Code range (not inclusive)
157-159	3	<u>130 Infant Cause Recode</u> A recode of the ICD cause code into 130 groups for NCHS publications. A complete list of recodes and the causes included is shown at the end of this document. Beginning in 2002 non-infant records are blank in this field.
		001-158 ... Code range (not inclusive)
160-161	2	<u>39 Cause Recode</u> A recode of the ICD cause code into 39 groups for NCHS publications. A complete list of recodes and the causes included is shown at the end of this document.
		01-42 ... Code range (not inclusive)
162	1	Reserved Position
163-443	281	<u>MULTIPLE CONDITIONS</u>
163-164	2	<u>Number of Entity-Axis Conditions</u> 00-20 ... Code range

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
165-304	140	<u>ENTITY - AXIS CONDITIONS</u>

Space has been provided for maximum of 20 conditions. Each condition takes 7 positions in the record. The 7th position will be blank. Records that do not have 20 conditions are blank in the unused area.

Position 1: 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

1-7	...	Code range
-----	-----	------------

Position 3 - 6: Condition code

For a complete list of codes, refer to Instruction Manual - [Part 9 - ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics \(Updated October 2020 to include WHO updates to ICD-10 for data year 2020\) \(cdc.gov\)](#).

Position 7: Reserved

165-171	7	1 st Condition
172-178	7	2 nd Condition
179-185	7	3 rd Condition
186-192	7	4 th Condition
193-199	7	5 th Condition
200-206	7	6 th Condition
207-213	7	7 th Condition
214-220	7	8 th Condition
221-227	7	9 th Condition
228-234	7	10 th Condition
235-241	7	11 th Condition
242-248	7	12 th Condition

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
249-255	7	13 th Condition
256-262	7	14 th Condition
263-269	7	15 th Condition
270-276	7	16 th Condition
277-283	7	17 th Condition
284-290	7	18 th Condition
291-297	7	19 th Condition
298-304	7	20 th Condition
305-340	36	<u>Reserved Positions</u>
341-342	2	<u>Number of Record-Axis Conditions</u>
		00-20 ... Code range
343	1	<u>Reserved Position</u> (TRANSAX flag)
344-443	100	<u>RECORD - AXIS CONDITIONS</u>

Space has been provided for a maximum of 20 conditions. Each condition takes 5 positions in the record. The 5th position will either be blank or, if the checkbox indicating "if female, pregnant" is checked, a value "1" might be present in the 5th position of the 2nd condition entered. This value identifies what the underlying cause of death for this record is when it is coded without considering the value of the "if female, pregnant" checkbox. (For more information on these maternal death records, see [National Vital Statistics Reports; vol 69 no 2.](#)) Records that do not have 20 conditions are blank in the unused area.

Positions 1 - 4: Condition Code

For a complete list of codes, refer to Instruction Manual - [Part 9 - ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics \(Updated October 2020 to include WHO updates to ICD-10 for data year 2020\) \(cdc.gov\).](#)

344-348	5	1 st Condition
349-353	5	2 nd Condition
354-358	5	3 rd Condition
359-363	5	4 th Condition

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
364-368	5	5 th Condition
369-373	5	6 th Condition
374-378	5	7 th Condition
379-383	5	8 th Condition
384-388	5	9 th Condition
389-393	5	10 th Condition
394-398	5	11 th Condition
399-403	5	12 th Condition
404-408	5	13 th Condition
409-413	5	14 th Condition
414-418	5	15 th Condition
419-433	5	16 th Condition
424-428	5	17 th Condition
429-433	5	18 th Condition
434-438	5	19 th Condition
439-443	5	20 th Condition
448-483	36	<u>RACE</u>
448	1	<u>Race Imputation Flag</u>
		Blank ... Race is not imputed
		1 ... Unknown race is imputed
		2 ... "All other races" is imputed

2021 Mortality Restricted-use File
Record Layout

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Data Element & Code</u>
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451-483	33	<u>Multiple Race Fields</u>
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Space has been provided for a maximum of 8 races. Each race takes 3 positions in the record. Records that do not have 8 races are blank in the unused area. The code structure for each race position is:

100-199	...	White
200-299	...	Black or African American
300, A01-R99	...	American Indian or Alaska Native
400-409	...	Asian Indian
410-419	...	Chinese
420-429	...	Filipino
430-439	...	Japanese
440-449	...	Korean
450-459	...	Vietnamese
460-499	...	Other Asian
500-503	...	Native Hawaiian
520-522	...	Guamanian or Chamorro
510-511	...	Samoan
512-515, 530-547	...	Other Pacific Islander
600-995	...	Other Race
996-999	...	Unknown

451-453	3	1 st Race
454	1	Reserved
455-457	3	2 nd Race
458	1	Reserved
459-461	3	3 rd Race
462	1	Reserved
463-465	3	4 th Race
466	1	Reserved
467-469	3	5 th Race
470	1	Reserved
471-473	3	6 th Race
474	1	Reserved
475-477	3	7 th Race
478	1	Reserved
479-481	3	8 th Race
482	1	Reserved
483	1	Reserved

484-486	3	<u>Hispanic Origin</u>
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100	...	Non – Hispanic
200-209	...	Spaniard
210-219	...	Mexican
260-269	...	Puerto Rican
270-274	...	Cuban
275-279	...	Dominican

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
		220 ... Central and South American
		221-230 ... Central American
		231-249 ... South American
		250-259 ... Latin American
		280-299 ... Other Hispanic
		996-999 ... Unknown
487-488	2	Reserved
489-804	316	<u>RAW RACE AND HISPANIC ORIGIN FIELDS</u>
489-775	287	<u>RAW RACE FIELDS</u>
489-503	15	<u>Race checkbox items</u>
		The code structure for each checkbox is:
		Y ... Yes
		N ... No
489	1	White checkbox
490	1	Black or African American checkbox
491	1	American Indian or Alaska Native checkbox
492	1	Asian Indian checkbox
493	1	Chinese checkbox
494	1	Filipino checkbox
495	1	Japanese checkbox
496	1	Korean checkbox
497	1	Vietnamese checkbox
498	1	Other Asian checkbox
499	1	Native Hawaiian checkbox
500	1	Guamanian or Chamorro checkbox
501	1	Samoan checkbox
502	1	Other Pacific Islander checkbox
503	1	Other checkbox
504-743	240	<u>Race literal</u>
		Literal text from write-in responses for race. Blank for records without literal responses.
504-533	30	1 st Race literal
534-563	30	2 nd Race literal
564-593	30	3 rd Race literal
594-623	30	4 th Race literal
624-653	30	5 th Race literal
654-683	30	6 th Race literal
684-713	30	7 th Race literal
714-743	30	8 th Race literal

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
744-775	32	<u>Race literal code</u>
		Each race takes 3 positions in the record. Records that do not have 8 races are blank in the unused area.
		The code structure for each race position is:
		100-199 ... White
		200-299 ... Black or African American
		300, A01-R99 ... American Indian or Alaska Native
		400-409 ... Asian Indian
		410-419 ... Chinese
		420-429 ... Filipino
		430-439 ... Japanese
		440-449 ... Korean
		450-459 ... Vietnamese
		460-499 ... Other Asian
		500-503 ... Native Hawaiian
		520-522 ... Guamanian or Chamorro
		510-511 ... Samoan
		512-515, 530-547 ... Other Pacific Islander
		600-995 ... Other Race
		996-999 ... Unknown
774-746	3	1 st Race literal code
747	1	Reserved
748-750	3	2 nd Race literal code
751	1	Reserved
752-754	3	3 rd Race literal code
755	1	Reserved
756-758	3	4 th Race literal code
759	1	Reserved
760-762	3	5 th Race literal code
763	1	Reserved
764-766	3	6 th Race literal code
767	1	Reserved
768-770	3	7 th Race literal code
771	1	Reserved
772-774	3	8 th Race literal code
775	1	Reserved
776-803	28	<u>RAW HISPANIC ORIGIN FIELDS</u>

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
776-780	5	<u>Hispanic origin checkbox items</u> The code structure for each checkbox is: N ... No, not specified Hispanic origin H ... Yes, specified Hispanic origin U ... Unknown
776	1	Mexican checkbox
777	1	Puerto Rican checkbox
778	1	Cuban checkbox
779	1	Other Hispanic checkbox
780-799	20	<u>Hispanic origin literal</u> Literal text for Hispanic origin write-in responses. Blank for records without literal responses.
800-802	3	<u>Hispanic origin literal code</u> Blank ... No literal was entered 100 ... Non – Hispanic 200-209 ... Spaniard 210-219 ... Mexican 260-269 ... Puerto Rican 270-274 ... Cuban 275-279 ... Dominican 220 ... Central and South American 221-230 ... Central American 231-249 ... South American 250-259 ... Latin American 280-299 ... Other Hispanic 996-999 ... Unknown
803	1	Reserved
804-805	2	<u>Race Recode 40</u> Code structure provides for the reporting of singleton and multiple race combinations. 01 ... White 02 ... Black 03 ... American Indian or Alaskan Native (AIAN) 04 ... Asian Indian 05 ... Chinese 06 ... Filipino 07 ... Japanese 08 ... Korean 09 ... Vietnamese

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
	10	... Other or Multiple Asian
	11	... Hawaiian
	12	... Guamanian
	13	... Samoan
	14	... Other or Multiple Pacific Islander
	15	... Black and White
	16	... Black and AIAN
	17	... Black and Asian
	18	... Black and Native Hawaiian or Other Pacific Islander (NHOPI)
	19	... AIAN and White
	20	... AIAN and Asian
	21	... AIAN and NHOPI
	22	... Asian and White
	23	... Asian and NHOPI
	24	... NHOPI and White
	25	... Black, AIAN and White
	26	... Black, AIAN and Asian
	27	... Black, AIAN and NHOPI
	28	... Black, Asian and White
	29	... Black, Asian and NHOPI
	30	... Black, NHOPI and White
	31	... AIAN, Asian and White
	32	... AIAN, NHOPI and White
	33	... AIAN, Asian and NHOPI
	34	... Asian, NHOPI and White
	35	... Black, AIAN, Asian and White
	36	... Black, AIAN, Asian and NHOPI
	37	... Black, AIAN, NHOPI and White
	38	... Black, Asian, NHOPI and White
	39	... AIAN, Asian, NHOPI and White
	40	... Black, AIAN, Asian, NHOPI and White

806-817 12 DECEDENT'S USUAL OCCUPATION AND INDUSTRY

About these items: For data year 2021, 49 states and New York City participated in providing occupation and industry data to NCHS. The raw entries were coded to standard Census 2012 codes via collaboration with the National Institute for Occupational Safety and Health (NIOSH). Rhode Island, and the District of Columbia are currently not included in this program.

806-809 4 Occupation 4-digit code

See the NIOSH document listing the 2012 4-digit Census codes for Occupations. (Census Industry & Occupational Classification System | NIOSH | CDC <https://www.cdc.gov/niosh/topics/coding/more.html>)

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
810-811	2	<p><u>Occupation recode</u></p> <p>A recode of the 4-digit Occupation codes that aggregates these into a smaller number of 2-digit codes. SAS and R code mapping 4-digit Occupation codes to 2-digit recodes based on National Health Interview Survey (NHIS) occupation categories are available at Analyze - Industry and Occupation Coding NIOSH CDC.</p> <p>01 ... MANAGEMENT OCCUPATIONS 02 ... BUSINESS & FINANCIAL OPERATIONS OCCUPATIONS 03 ... COMPUTER & MATHEMATICAL OCCUPATIONS 04 ... ARCHITECTURE & ENGINEERING OCCUPATIONS 05 ... LIFE, PHYSICAL, & SOCIAL SCIENCE OCCUPATIONS 06 ... COMMUNITY & SOCIAL SERVICES OCCUPATIONS 07 ... LEGAL OCCUPATIONS 08 ... EDUCATION, TRAINING, & LIBRARY OCCUPATIONS 09 ... ARTS, DESIGN, ENTERTAINMENT, SPORTS, & MEDIA OCCUPATIONS 10 ... HEALTHCARE PRACTITIONERS & TECHNICAL OCCUPATIONS 11 ... HEALTHCARE SUPPORT OCCUPATIONS 12 ... PROTECTIVE SERVICE OCCUPATIONS 13 ... FOOD PREPARATION & SERVING RELATED OCCUPATIONS 14 ... BUILDING & GROUNDS CLEANING & MAINTENANCE OCCUPATIONS 15 ... PERSONAL CARE & SERVICE OCCUPATIONS 16 ... SALES & RELATED OCCUPATIONS 17 ... OFFICE & ADMINISTRATIVE SUPPORT OCCUPATIONS 18 ... FARMING, FISHING, & FORESTRY OCCUPATIONS 19 ... CONSTRUCTION & EXTRACTION OCCUPATIONS 20 ... INSTALLATION, MAINTENANCE, & REPAIR OCCUPATIONS 21 ... PRODUCTION OCCUPATIONS 22 ... TRANSPORTATION & MATERIAL MOVING OCCUPATIONS 24 ... MILITARY 25 ... OTHER—MISC (EXC HOUSEWIFE) 26 ... OTHER—HOUSEWIFE</p>
812-815	4	<p><u>Industry 4-digit code</u></p> <p>See the NIOSH document listing the 2012 4-digit Census codes for Industries. (Census Industry & Occupational Classification System NIOSH CDC https://www.cdc.gov/niosh/topics/coding/more.html)</p>

2021 Mortality Restricted-use File
Record Layout

<u>Tape Location</u>	<u>Field Size</u>	<u>Data Element & Code</u>
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816-817	2	Industry recode
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A recode of the 4-digit Industry codes that aggregates these into a smaller number of 2-digit codes. SAS and R code mapping 4-digit Industry codes to 2-digit recodes based on National Health Interview Survey (NHIS) industry categories are available at Analyze - Industry and Occupation Coding | NIOSH | CDC.

01	...	AGRICULTURE, FORESTRY, FISHING & HUNTING IND.
02	...	MINING IND.
03	...	UTILITIES IND.
04	...	CONSTRUCTION IND.
05	...	MANUFACTURING IND.
06	...	WHOLESALE TRADE IND.
07	...	RETAIL TRADE IND.
08	...	TRANSPORTATION & WAREHOUSING IND.
09	...	INFORMATION IND.
10	...	FINANCE & INSURANCE IND.
11	...	REAL ESTATE & RENTAL & LEASING IND.
12	...	PROFESSIONAL, SCIENTIFIC, & TECHNICAL SERVICES IND.
13	...	MANAGEMENT OF COMPANIES & ENTERPRISES
14	...	ADMIN. & SUPPORT & WASTE MGMT & REMED. SVCS IND.
15	...	SERVICES IND.
16	...	HEALTHCARE & SOCIAL ASSISTANCE IND.
17	...	ARTS, ENTERTAINMENT, & RECREATION IND.
18	...	ACCOMMODATION & FOOD SERVICES IND.
19	...	OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION) IND.
20	...	PUBLIC ADMINISTRATION IND.
22	...	MILITARY
23	...	OTHER--MISC, MISSING

Tenth Revision 39 Selected Causes of Death adapted for use by DVS

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 *****

39 S

Recode T Sex Age Cause Title and ICD-10 Codes Included

001			Tuberculosis (A16-A19)
002			Syphilis (A50-A53)
003			Human immunodeficiency virus (HIV) disease (B20-B24)
004	1		Malignant neoplasms (C00-C97)
005			Malignant neoplasm of stomach (C16)
006			Malignant neoplasms of colon, rectum and anus (C18-C21)
007			Malignant neoplasm of pancreas (C25)
008			Malignant neoplasms of trachea, bronchus and lung (C33-C34)
009			Malignant neoplasm of breast (C50)
010		2	Malignant neoplasms of cervix uteri, corpus uteri and ovary (C53-C56)
011		1	Malignant neoplasm of prostate (C61)
012			Malignant neoplasms of urinary tract (C64-C68)
013			Non-Hodgkin lymphoma (C82-C85)
014			Leukemia (C91-C95)
015			Other malignant neoplasms (C00-C15,C17,C22-C24,C26-C32,C37-C49,C51-C52,C57-C60,C62-C63,C69-C81,C88,C90,C96-C97)
016		3	Diabetes mellitus (E10-E14)
017			Alzheimer disease (G30)
018		1	Major cardiovascular diseases (I00-I78)
019		1	Diseases of heart (I00-I09,I11,I13,I20-I51)
020			Hypertensive heart disease with or without renal disease (I11,I13)
021			Ischemic heart diseases (I20-I25)
022			Other diseases of heart (I00-I09,I26-I51)
023			Essential hypertension and hypertensive renal disease (I10,I12,I15)
024			Cerebrovascular diseases (I60-I69)
025			Atherosclerosis (I70)
026			Other diseases of circulatory system (I71-I78)
027			Influenza and pneumonia (J09-J18)
028			Chronic lower respiratory diseases (J40-J47)
029			Peptic ulcer (K25-K28)
030			Chronic liver disease and cirrhosis (K70,K73-K74)
031			Nephritis, nephrotic syndrome, and nephrosis (N00-N07,N17-N19,N25-N27)
032		2 7	Pregnancy, childbirth and the puerperium (O00-O99)
033			Certain conditions originating in the perinatal period (P00-P96)
034			Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
035		4	Sudden infant death syndrome (R95)
036			Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (excluding Sudden infant death syndrome) (R00-R94,R96-R99)
037			All other diseases (Residual) (A00-A09,A20-A49,A54-B19,B25-B99,D00-E07,E15-G25,G31-H93,I80-J06,J20-J39,J60-K22,K29-K66,K71-K72,K75-M99,N10-N15,N20-N23,N28-N98,U04,U07.0,U07.1)
038			Motor vehicle accidents (V02-V04,V09.0,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)
039			All other and unspecified accidents and adverse effects (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-X59,Y40-Y86,Y88)
040		1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)
041			Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)
042			All other external causes (Y10-Y36,Y87.2,Y89)

Tenth Revision 113 Selected Causes of Death Adapted for use by DVS

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	S		
Recode	T	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-A79,A81-A82,A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99,U07.1)
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)
038			Hodgkin disease (C81)
039			Non-Hodgkin 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 disease (G20-G21)
052			Alzheimer 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)

Tenth Revision 113 Selected Causes of Death Adapted for use by DVS

ST: 1 = Subtotal

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

113	S				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included
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 hypertension and hypertensive renal disease (I10,I12,I15)	
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 (J09-J18)	
077				Influenza (J09-J11)	
078				Pneumonia (J12-J18)	
079	1			Other acute lower respiratory infections (J20-J22,U04)	
080				Acute bronchitis and bronchiolitis (J20-J21)	
081				Other and unspecified acute lower respiratory infections (J22,U04)	
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,U07.0)	
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		2		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-G14,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)	

Tenth Revision 113 Selected Causes of Death Adapted for use by DVS

ST: 1 = Subtotal

Limited: Sex: 1 = Males; 2 = Females

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

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

Tenth Revision 130 Selected Causes of Death Adapted for use by DVS

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 *****

130	S	
Recode	T	<u>Sex Age Cause Title and ICD-10 Codes Included</u>
001	1	Certain infectious and parasitic diseases (A00-B99,U07.1)
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	3	Septicemia (A40-A41)
010		Congenital syphilis (A50)
011		Gonococcal infection (A54)
012	1	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,U07.1)
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	1	Neoplasms (C00-D48)
024	1	Malignant neoplasms (C00-C97)
025		Hodgkin disease and non-Hodgkin 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	1	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	1	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	3	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	1	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	1	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)

Tenth Revision 130 Selected Causes of Death Adapted for use by DVS

ST: 1 = Subtotal

Limited: Sex: 1 = Males; 2 = Females

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

130	S		
Recode	T	Sex	Age Cause Title and ICD-10 Codes Included
52			All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)
53	1		Diseases of the respiratory system (J00-J98,U04)
054			Acute upper respiratory infections (J00-J06)
55	1		Influenza and pneumonia (J09-J18)
56			Influenza (J09-J11)
57			Pneumonia (J12-J18)
58			Acute bronchitis and acute bronchiolitis (J20-J21)
59			Bronchitis, chronic and unspecified (J40-J42)
60			Asthma (J45-J46)
61			Pneumonitis due to solids and liquids (J69)
62			Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47,J68,J70-J98,U04)
63	1		Diseases of the digestive system (K00-K92)
64			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	1		Diseases of the genitourinary system (N00-N95)
68			Renal failure and other disorders of kidney (N17-N19,N25,N27)
69			Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)
70	1		Certain conditions originating in the perinatal period (P00-P96)
71	1		Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)
72			Newborn affected by maternal hypertensive disorders (P00.0)
73			Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)
74	1		Newborn affected by maternal complications of pregnancy (P01)
075			Newborn affected by incompetent cervix (P01.0)
76			Newborn affected by premature rupture of membranes (P01.1)
77			Newborn affected by multiple pregnancy (P01.5)
78			Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)
79	1		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	1		Disorders related to length of gestation and fetal malnutrition (P05-P08)
087			Slow fetal growth and fetal malnutrition (P05)
088	1		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	1		Intrauterine hypoxia and birth asphyxia (P20-P21)
094			Intrauterine hypoxia (P20)
095			Birth asphyxia (P21)
096			Respiratory distress of newborn (P22)
097	1		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)

Tenth Revision 130 Selected Causes of Death Adapted for use by DVS

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 *****

130	S		
Recode	T	Sex	Age Cause Title and ICD-10 Codes Included
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	1		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	1		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)
			Hematological disorders (P60-P61)
113			Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)
114			Necrotizing enterocolitis of newborn (P77)
115			Hydrops fetalis not due to hemolytic disease (P83.2)
116			Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)
117			
118	1		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 syndrome (Q90)
130			Edward syndrome (Q91.0-Q91.3)
131			Patau 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	1		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	1		External causes of mortality (*U01,V01-Y84)
139	1		Accidents (unintentional injuries) (V01-X59)
140	1		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)
148			Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)
149			Accidents caused by exposure to smoke, fire and flames (X00-X09)
150			Accidental poisoning and exposure to noxious substances (X40-X49)

Tenth Revision 130 Selected Causes of Death Adapted for use by DVS

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130	S	
<u>Recode</u>	<u>T</u>	<u>Sex Age Cause Title and ICD-10 Codes Included</u>
151		Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)
152	1	Assault (homicide) (*U01,X85-Y09)
153		Assault (homicide) by hanging, strangulation and suffocation (X91)
154		Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
155		Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
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)
157		Complications of medical and surgical care (Y40-Y84)
158		Other external causes (Y10-Y36)

Tenth Revision 358 Selected Causes of Death Adapted for use by DVS

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

358 S

Recode T Sex Age Cause Title and ICD-10 Codes Included

001	1	Certain infectious and parasitic diseases (A00-B99,U07.1)
002	1	Intestinal infectious diseases (A00-A09)
003		Cholera (A00)
004	1	Other intestinal infectious diseases (A01-A08)
005		Typhoid fever (A01.0)
006		Paratyphoid fevers and other salmonella infections (A01.1-A01.4,A02)
007		Shigellosis (A03)
008		Other bacterial food-borne intoxications (A05)
009		Amebiasis (A06)
010		Intestinal infections due to other specified organisms (A04,A07-A08)
011		Diarrhea and gastroenteritis of infectious origin (A09)
012	1	Tuberculosis (A16-A19)
013		Respiratory tuberculosis (A16)
014		Other tuberculosis (A17-A19)
015	1	Zoonotic and other bacterial diseases (A20-A49)
016		Plague (A20)
017		Brucellosis (A23)
018		Tetanus (A33-A35)
019		Diphtheria (A36)
020		Whooping cough (A37)
021		Scarlet fever and erysipelas (A38,A46)
022		Meningococcal infection (A39)
023	3	Septicemia (A40-A41)
024		Other zoonotic and bacterial diseases (A21-A22,A24-A32,A42-A44,A48-A49)
025	1	Infections with a predominately sexual mode of transmission (A50-A64)
026	1	Syphilis (A50-A53)
027		Cardiovascular syphilis (A52.0)
028		Neurosyphilis (A52.1-A52.3)
029		Other and unspecified syphilis (A50-A51,A52.7-A52.9,A53)
030		Gonococcal infection (A54)
031		Other infections with a predominately sexual mode of transmission (A55-A64)
032	1	Other infections caused by spirochetes, chlamydia or rickettsia (A65-A79)
033		Lyme disease (A69.2)
034		Typhus fever (A75)
035		All other infections caused by spirochetes, chlamydia or rickettsia (A65-A68,A69.0-A69.1,A69.8-A69.9,A70-A74,A77-A79)
036	1	Viral diseases (A80-B34)
037		Acute poliomyelitis (A80)
038		Rabies (A82)
039		Arthropod-borne viral encephalitis (A83-A84,A85.2)
040		Yellow fever (A95)
041		Other and unspecified arthropod-borne viral and hemorrhagic fevers (A90-A94,A96-A99)
042		Herpesviral (herpes simplex) infections (B00)
043		Zoster (herpes zoster) (B02)
044		Smallpox (B03)
045		Measles (B05)
046		Rubella (German measles) (B06)
047		Viral hepatitis (B15-B19)
048	1	Human immunodeficiency virus (HIV) disease (B20-B24)
049		Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases (B20)
050		Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms (B21)
051		Human immunodeficiency virus (HIV) disease resulting in other specified diseases (B22)
052		Human immunodeficiency virus (HIV) disease resulting in other conditions (B23)
053		Unspecified human immunodeficiency virus (HIV) disease (B24)

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358	S			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
054				All other and unspecified viral diseases (A81,A85.0-A85.1,A85.8,A86-A89,B01,B04,B07-B09,B25-B34,U07.1)
055	1			Other and unspecified infectious and parasitic diseases and their sequelae (B35-B99)
056				Mycoses (B35-B49)
057	1			Protozoal diseases (B50-B64)
058				Malaria (B50-B54)
059				Leishmaniasis (B55)
060				Trypanosomiasis (B56-B57)
061				Pneumocystosis (B59)
062				Other and unspecified protozoal diseases (B58,B60-B64)
063	1			Helminthiasis (B65-B83)
064				Schistosomiasis (bilharziasis) (B65)
065				Other and unspecified helminthiasis (B66-B83)
066		6		Sequelae of tuberculosis (B90)
067		6		Sequelae of poliomyelitis (B91)
068				All other and unspecified infectious and parasitic diseases and their sequelae (B85-B89,B92-B99)
069	1			Neoplasms (C00-D48)
070	1			Malignant neoplasms (C00-C97)
071	1			Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)
072				Of lip (C00)
073				Of tongue (C01-C02)
074				Of pharynx (C10-C13,C14.0)
075				Of other and unspecified sites within the lip, oral cavity and pharynx (C03- C09,C14.2-C14.8)
076	1			Malignant neoplasms of digestive organs (C15-C26)
077				Of esophagus (C15)
078				Of stomach (C16)
079				Of small intestine (C17)
080				Of colon, rectum and anus (C18-C21)
081				Colon (C18)
082				Rectosigmoid junction and rectum (C19-C20)
083				Anus and anus canal (C21)
084	1			Of liver and intrahepatic bile ducts (C22)
085				Liver (C22.0,C22.2-C22.9)
086				Intrahepatic bile duct carcinoma (C22.1)
087				Of gallbladder and extrahepatic bile ducts (C23-C24)
088				Of pancreas (C25)
089				Of other and ill-defined digestive organs (C26)
090	1			Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)
091				Of nasal cavity, middle ear and accessory sinuses (C30-C31)
092				Of larynx (C32)
093				Of trachea, bronchus and lung (C33-C34)
094				Of thymus, heart, mediastinum and pleura (C37-C38)
095				Of other and ill-defined sites in respiratory system and intrathoracic organs (C30-C39)
096				Malignant neoplasms of bone and articular cartilage (C40-C41)
097	1			Melanoma and other malignant neoplasms of skin (C43-C44)
098				Malignant melanoma of skin (C43)
099				Other malignant neoplasms of skin (C44)
100	1			Malignant neoplasms of mesothelial and soft tissue (C45-C49)
101				Mesothelioma (C45)
102				Kaposi sarcoma (C46)
103				Of other mesothelial and soft tissue (C47-C49)
104				Malignant neoplasm of breast (C50)

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358	S				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included
105	1	2		Malignant neoplasms of female genital organs (C51-C58)	
106		2		Of vulva and vagina (C51-C52)	
107		2		Of cervix uteri (C53)	
108		2		Of corpus uteri and uterus, part unspecified (C54-C55)	
109		2		Of ovary (C56)	
110		2		Of other and unspecified female genital organs (C57)	
111		2	2	Of placenta (C58)	
112	1	1		Malignant neoplasms of male genital organs (C60-C63)	
113		1		Of prostate (C61)	
114		1		Of testis (C62)	
115		1		Of penis and other and unspecified male genital organs (C60,C63)	
116		1		Malignant neoplasms of urinary tract (C64-C68)	
117				Of kidney and renal pelvis (C64-C65)	
118				Of bladder (C67)	
119				Of other and unspecified sites within the urinary tract (C66,C68)	
120				Malignant neoplasm of eye and adnexa (C69)	
121	1			Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	
122				Of brain (C71)	
123				Of other parts of central nervous system (C70,C72)	
124				Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	
125				Other malignant neoplasms of other and unspecified sites (C76-C80,C97)	
126	1			Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	
127				Hodgkin disease (C81)	
128	1			Of other lymphoid, hematopoietic and related tissue (C82-C85,C96)	
129				Non-Hodgkin lymphoma (C82-C85)	
130				Of other and unspecified lymphoid, hematopoietic and related tissue (C96)	
131				Malignant immunoproliferative diseases (C88)	
132				Multiple myeloma and malignant plasma cell neoplasms (C90)	
133	1			Leukemia (C91-C95)	
134				Lymphoid leukemia (C91)	
135				Myeloid leukemia (C92)	
135				Monocytic leukemia (C93)	
136				Other and unspecified leukemia (C94-C95)	
137	1			In situ neoplasms (D00-D09)	
138				Carcinoma in situ of breast and genitourinary system (D05-D07)	
139				Carcinoma in situ of other and unspecified sites (D00-D04,D09)	
141	1			Benign neoplasms (D10-D36)	
142		2		Of female genital organs (D25-D28)	
143				Of eye, brain and other parts of central nervous system (D31-D33)	
144				Of other and unspecified sites (D10-D24,D29-D30,D34-D36)	
145				Neoplasms of uncertain or unknown behavior of specified sites (D37-D47)	
146				Neoplasms of uncertain or unknown behavior of unspecified sites (D48)	
147	1			Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	
148		1		Anemias (D50-D64)	
149				Nutritional anemias (D50-D53)	
150				Hemolytic anemias (D55-D59)	
151				Aplastic anemias (D60-D61)	
152				Acute posthemorrhagic and other anemias (D62,D64)	
153				Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)	
154				Other diseases of blood and blood-forming organs (D70-D76)	
155				Certain disorders involving the immune mechanism (D80-D89)	
156	1			Endocrine, nutritional and metabolic diseases (E00-E88)	
157		1		Endocrine diseases (E00-E34)	
158				Disorders of thyroid gland (E00-E07)	
159	3			Diabetes mellitus (E10-E14)	
160				Disorders of pituitary gland (E22-E23)	
161				Disorders of adrenal glands (E24-E27)	
162				Diseases of thymus (E32)	

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358	S				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included	
163				Other endocrine diseases (E15-E21,E28-E31,E34)	
164	1			Nutritional diseases (E40-E68)	
165	1			Malnutrition (E40-E46)	
166				Nutritional marasmus (E41)	
167				Other and unspecified malnutrition (E40,E42-E46)	
168				Other nutritional deficiencies (E50-E64)	
169				Obesity and other hyperalimentation (E65-E68)	
170	1		3	Metabolic disorders (E70-E88)	
171				Cystic fibrosis (E84)	
172				Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	
173				Other metabolic disorders (E70-E83,E85,E88)	
174	1			Mental and behavioral disorders (F01-F99)	
175				Organic dementia (F01,F03)	
176				Other and unspecified organic mental disorders (F04-F09)	
177	1		3	Mental and behavioral disorders due to psychoactive substance use (F10-F19)	
178			3	Mental and behavioral disorders due to use of alcohol (F10)	
179			3	Mental and behavioral disorders due to other psychoactive substance use (F11-F19)	
180				Schizophrenia, schizotypal and delusional disorders (F20-F29)	
181				Mood (affective) disorders (F30-F39)	
182				Neurotic, stress-related and somatoform disorders (F40-F48)	
183				Mental retardation (F70-F79)	
184				Other and unspecified mental and behavioral disorders (F50-F69,F80-F99)	
185	1			Diseases of the nervous system (G00-G98)	
186				Meningitis (G00,G03)	
187				Other inflammatory diseases of central nervous system (G04-G09)	
188				Parkinson disease (G20-G21)	
189				Alzheimer disease (G30)	
190				Multiple sclerosis (G35)	
191				Epilepsy (G40-G41)	
192				Transient cerebral ischemic attacks and related syndromes (G45)	
193				Infantile cerebral palsy (G80)	
194				All other diseases of nervous system (G10-G14,G23-G25,G31,G36-G37,G43-G44,G47-G72,G81-G98)	
195				Diseases of the eye and adnexa (H00-H57)	
196				Diseases of the ear and mastoid process (H60-H93)	
197	1			Diseases of the circulatory system (I00-I99)	
198	1			Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	
199				Acute rheumatic fever (I00-I02)	
200	1			Chronic rheumatic heart diseases (I05-I09)	
201				Rheumatic mitral valve diseases (I05)	
202				Rheumatic aortic valve diseases (I06)	
203				Disorders of both mitral and aortic valves (I08.0)	
204				Other chronic rheumatic heart diseases (I07,I08.1-I08.9,I09)	
205	1			Hypertensive diseases (I10-I15)	
206				Essential (primary) hypertension (I10)	
207				Hypertensive heart disease (I11)	
208				Hypertensive renal disease and secondary hypertension (I12,I15)	
209				Hypertensive heart and renal disease (I13)	
210	1			Ischemic heart diseases (I20-I25)	
211				Acute myocardial infarction (I21-I22)	
212				Other acute ischemic heart diseases (I24)	
213				Other forms of chronic ischemic heart diseases (I20,I25)	
214				Atherosclerotic cardiovascular disease, so described (I25.0)	
215				All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	
216	1			Other heart diseases (I26-I51)	
217	1			Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	
218				Pulmonary embolism (I26)	
219				Other pulmonary heart disease and diseases of pulmonary circulation (I27-I28)	

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358	S			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
220	1			Other non-pulmonary forms of heart disease (I30-I51)
221				Acute and subacute endocarditis (I33)
222				Diseases of pericardium and acute myocarditis (I30-I31,I40)
223	1			Other diseases of endocardium (I34-I38)
224				Nonrheumatic mitral valve disorders (I34)
225				Nonrheumatic aortic valve disorders (I35)
226				All other diseases of endocardium (I36-I38)
227				Cardiomyopathy (I42)
228				Conduction disorders and cardiac dysrhythmias (I44-I49)
229	1			Heart failure (I50)
230				Congestive heart failure (I50.0)
231				Other and unspecified heart failure (I50.1-I50.9)
232				Myocarditis, unspecified and myocardial degeneration (I51.4-I51.5)
233				All other and ill-defined forms of heart disease (I50.0-I51.3, I51.6-I51.9)
234	1			Cerebrovascular diseases (I60-I69)
235				Subarachnoid hemorrhage (I60)
236		3		Intracerebral and other intracranial hemorrhage (I61-I62)
237				Cerebral infarction (I63)
238				Stroke, not specified as hemorrhage or infarction (I64)
239				Other cerebrovascular diseases and their sequelae (I67,I69)
240	1			Diseases of arteries, arterioles and capillaries (I70-I78)
241				Atherosclerosis (I70)
242				Aortic aneurysm and dissection (I71)
243				Other diseases of arteries, arterioles and capillaries (I72-I78)
244	1			Other disorders of circulatory system (I80-I99)
245				Phlebitis, thrombophlebitis, venous embolism and thrombosis (I80-I82)
246				All other and unspecified disorders of circulatory system (I83-I99)
247	1			Diseases of the respiratory system (J00-J98,U04,U07.0)
248	1			Acute upper respiratory infections (J00-J06)
249				Acute pharyngitis and tonsillitis (J02-J03)
250				Acute laryngitis and tracheitis ((J04)
251				Other and unspecified acute upper respiratory infections (J00-J01,J05-J06)
252	1			Other diseases of the respiratory system (J09-J98,U04)
253				Influenza (J09-J11)
254	1			Pneumonia(J12-J18)
255				Viral pneumonia, not elsewhere classified (J12)
256				Bacterial pneumonia (J13-J15)
257				Pneumonia due to other or unspecified organisms (J16,J18)
258	1			Other acute lower respiratory infections (J20-J22,U04)
259				Acute bronchitis and bronchiolitis(J20-J21)
260				Other and unspecified acute lower respiratory infection (J22,U04)
261				Other diseases of upper respiratory tract (J30-J39)
262	1			Chronic lower respiratory diseases (J40-J47)
263	1			Bronchitis, chronic and unspecified, emphysema and asthma (J40-J46)
264				Bronchitis, not specified as acute or chronic (J40)
265				Chronic bronchitis (J41-J42)
266		3		Emphysema (J43)
267				Other chronic obstructive pulmonary disease (J44)
268				Asthma (J45-J46)
269				Bronchiectasis (J47)
270	1			Lung diseases due to external agents (J60-J70)
271				Pneumoconioses and chemical effects (J60-J66,J68,U07.0)
272	1			Pneumonitis due to solids and liquids (J69)
273				Pneumonitis due to food and vomit (J69.0)
274				Other pneumonitis due to solids and liquids (J69.1-69.8)
275				Other lung diseases due to external agents (J67,J70)
276				Suppurative and necrotic conditions of lower respiratory tract (J85-J86)
277				Pleural effusion and plaque (J90,J92)
278				All other diseases of respiratory system (J80-J84,J93-J98)
279	1			Diseases of the digestive system (K00-K92)

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

358	S			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
280				Diseases of oral cavity, salivary glands and jaws (K00-K14)
281	1			Diseases of other parts of digestive system (K20-K92)
282				Diseases of esophagus (K20-K22)
283	1			Peptic ulcer (K25-K28)
284				Gastric ulcer (K25)
285				Duodenal ulcer (K26)
286		3		Peptic ulcer, site unspecified (K27)
287				Gastrojejunal ulcer (K28)
288				Gastritis and duodenitis (K29)
289				Dyspepsia and other diseases of stomach and duodenum (K30-K31)
290				Diseases of appendix (K35-K38)
291				Hernia (K40-K46)
292				Crohn's disease and ulcerative colitis (K50-K51)
293				Vascular disorders and obstruction of intestine without hernia (K55-K56)
294				Diverticular disease of intestine (K57)
295				Other diseases of intestines and peritoneum (K52, K58-K63)
296				Diseases of peritoneum (K65-K66)
297	1			Diseases of liver (K70-K76)
298				Alcoholic liver disease (K70)
299				Chronic hepatitis, not elsewhere classified (K73)
300				Fibrosis and cirrhosis of liver (K74)
301				Other diseases of liver (K71-K72, K75-K76)
302				Cholelithiasis and other disorders of gallbladder (K80-K82)
303	1			Disorders of biliary tract and pancreas (K83-K86)
304				Pancreatitis (K85, K86.0-K86.1)
305				Other disorders of biliary tract and pancreas (K83, K86.2-K86.9)
306				All other diseases of digestive system (K90-K92)
307	1			Diseases of the skin and subcutaneous tissue (L00-L98)
308				Infections of skin and subcutaneous tissue (L00-L08)
309				Other and unspecified diseases of skin and sub-cutaneous tissue (L10-L98)
310	1			Diseases of the musculoskeletal system and connective tissue (M00-M99)
311				Rheumatoid arthritis and related inflammatory polyarthropathies (M05-M08)
312				Systemic lupus erythematosus (M32)
313				Other arthropathies and related disorders (M00, M02, M10-M31, M33-M35)
314				Dorsopathies (M40-M54)
315				Soft tissue disorders (M60-M79)
316	1			Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue (M80-M99)
317				Osteoporosis (M80-M81)
318				Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue (M83-M99)
319	1			Diseases of the genitourinary system (N00-N98)
320	1			Diseases of urinary system (N00-N39)
321	1			Glomerular and renal tubulo-interstitial diseases (N00-N15)
322	1			Glomerular diseases (N00-N07)
323				Acute and rapidly progressive nephritic syndrome (N00-N01)
324				Nephrotic syndrome (N04)
325				Other and unspecified glomerular diseases (N02-N03, N05-N07)
326				Renal tubulo-interstitial diseases (N10-N15)
327				Renal failure (N17-N19)
328				Urolithiasis (N20-N23)
329				Other and unspecified disorders of kidney (N25-N27)
330				Urinary tract infection, site not specified (N39.0)
331				Other diseases of urinary system (N28-N36, N39.1-N39.9)
332	1	1		Diseases of male genital organs (N40-N50)
333		1		Hyperplasia of prostate (N40)
334		1		Other diseases of male genital organs (N41-N50)
335				Disorders of breast (N60-N64)
336	1	2		Disorders of female genital organs (N70-N98)
337		2		Inflammatory diseases of female pelvic organs (N70-N76)
338		2		Noninflammatory disorders of female genital tract (N80-N98)

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358	S				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included
339	1	2	7	Pregnancy, childbirth and the puerperium (O00-O99)	
340	1	2	7	Pregnancy with abortive outcome (O00-O07)	
341		2	7	Ectopic pregnancy (O00)	
342		2	7	Spontaneous abortion (O03)	
343		2	7	Medical abortion (O04)	
344		2	7	Other abortion (O05)	
345		2	7	Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	
346	1	2	7	Other direct obstetric deaths (O10-O92)	
347		2	7	Eclampsia and pre-eclampsia (O11,O13-O16)	
348		2	7	Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,072)	
349	1	2	7	Complications predominately related to the puerperium (O85-O92)	
350		2	7	Obstetric embolism (O88)	
351		2	7	Other complications predominately related to the puerperium (O85-O87,O89-O92)	
352		2	7	All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	
353		2	7	Obstetric death of unspecified cause (O95)	
354		2	7	Other deaths related to pregnancy, childbirth and the puerperium (O96-O97)	
355		2	7	Indirect obstetric deaths (O98-O99)	
356	1			Certain conditions originating in the perinatal period (P00-P96)	
357				Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	
358				Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	
359				Birth trauma (P10-P15)	
360				Intrauterine hypoxia and birth asphyxia (P20-P21)	
361				Respiratory distress of newborn (P22)	
362				Other respiratory conditions originating in the perinatal period (P23-P28)	
363				Infections specific to the perinatal period (P35-P39)	
364				Other and unspecified conditions originating in the perinatal period (P05,P08,P29,P50-P96)	
365	1			Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	
366				Anencephaly and similar malformations (Q00)	
367				Spina bifida (Q05)	
368				All other congenital malformations of nervous system (Q01-Q04,Q06-Q07)	
369				Congenital malformations of heart (Q20-Q24)	
370				Other congenital malformations of circulatory system (Q25-Q28)	
371				Congenital malformations of respiratory system (Q30-Q34)	
372				Other congenital malformations and deformations (Q10-Q18,Q35-Q89)	
373				Down syndrome (Q90)	
374				All other chromosomal abnormalities, not elsewhere classified (Q91-Q99)	
375	1			Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	
376				Senility (R54)	
377	1			Ill-defined and unknown causes of mortality (R95-R99)	
378		4		Sudden infant death syndrome (R95)	
379				Other ill-defined and unknown causes of mortality (R96-R99)	
380				All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94)	
381	1			External causes of mortality (*U01-*U03,V01-Y89)	
382	1			Accidents (unintentional injuries) (V01-X59,Y85-Y86)	
383	1			Transport accidents (V01-V99,Y85)	
384				Railway accidents (V05,V15,V80.6,V81.2-V81.9)	
385	1			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)	
386				Pedestrian involved in collision with motor vehicle (V02-V04)	
387				Pedal cyclist involved in collision with motor vehicle (V12-14,V19.0,V19.2-V19.4-V19.6)	
388				Motorcyclist involved in any accident except collision with railway train (V20-V24,V26-V34,V36-V39)	

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358	S		
Recode	T	Sex	Age Cause Title and ICD-10 Codes Included
389	1		Motor vehicle accident involving collision with railway train (V25,V35,V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)
390			Motorcyclist involved in collision with railway train (V25,V35)
391			Other motor vehicle accident involving collision with railway train (V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)
392			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)
393			Occupant of car, pickup truck or van involved in collision with other motor vehicle (V42-V44,V49,V52-V54,V59)
394			Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle (V62-V64,V69,V72-V74,V79)
395			Occupant of motor vehicle involved in non-collision accident (V48,V58,V68,V78)
396			Occupant of special-use motor vehicle involved in any accident (V83-V86)
397			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)
398			Streetcar accidents (V82.2-V82.9) 399 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)
400			Water transport accidents (V90-V94)
401			Air and space transport accidents (V95-V97)
402			Other and unspecified transport accidents and their sequelae (V98-V99,Y85)
403	1		Falls (W00-W19)
404			Fall on same level (W00-W09,W18)
405			Fall from one level to another (W10-W17)
406			Unspecified fall (W19)
407			Accidental discharge of firearms (W32-W34)
408			Accidental explosion (W39-W40)
409			Accidental drowning and submersion (W65-W74)
410			Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)
411			Other accidental and unspecified threats to breathing (W75-W77,W81-W84)
412			Accidental exposure to electrical current (W85-W87)
413			Accidental exposure to radiation (W88-W91)
414			Accidental exposure to smoke, fire and flames (X00-X09)
415			Accidental contact with heat and hot substances (X10-X19)
416			Lightning (X33)
417			Earthquake, volcanic eruption, avalanche, landslide and other earth movements (X34-X36)
418			Cataclysmic storm and flood (X37-X38)
419	1		Accidental poisoning and exposure to noxious substances (X40-X49)
420			Accidental poisoning by and exposure to drugs and other biological substances (X40-X44)
421			Accidental poisoning by and exposure to other and unspecified solid or liquids substances (X45-X46,X48-X49)
422			Accidental poisoning by and exposure to other gases and vapors (X47)
423			All other and unspecified accidents (W20-W31,W35-W38,W41-W64,W92-W99,X20-X32,X39,X50-X59,Y86)
424	1	1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)
425		1	Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances (X60-X64)
426		1	Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors (X65-X66,X68-X69)
427		1	Intentional self-poisoning (suicide) by and exposure to other gases and vapors (X67)
428		1	Intentional self-harm (suicide) by hanging, strangulation and suffocation (X70)
429		1	Intentional self-harm (suicide) by discharge of firearms (X72-X74)

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358	S		
Recode	T	Sex Age	Cause Title and ICD-10 Codes Included
430		1	Intentional self-harm (suicide) by jumping from a high place (X80)
431		1	Intentional self-harm (suicide) by all other and unspecified means and their sequelae (*U03,X71,X75-X79,X81-X84,X87.0)
432	1		Assault (homicide) (*U01-*U02,X85-Y09,X87.1)
433			Assault (homicide) by drugs, biological substances and other and unspecified noxious substances (*U01.6-*U01.7,X85-X90)
434			Assault (homicide) by hanging, strangulation and suffocation (X91)
435			Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
436			Assault (homicide) by sharp object (X99)
437			Assault (homicide) by blunt object (Y00)
438			Assault (homicide) by bodily force (Y04)
439			Sexual assault (homicide) by bodily force (Y05)
440			Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
441			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)
442	1		Event of undetermined intent (Y10-Y34,Y87.2,Y89.9)
443			Poisoning by and exposure to drugs and biological substances, undetermined intent (Y10-Y14)
444			Poisoning by and exposure to other and unspecified solid or liquid substance undetermined intent (Y15-Y16,Y18-9)
445			Poisoning by and exposure to other gases and vapors, undetermined intent (Y17)
446			Discharge of firearms, undetermined intent (Y22-Y24)
447			Falling, jumping or pushed from a high place, undetermined intent (Y30)
448			All other and unspecified events of undetermined intent and their sequelae (Y20-Y21,Y25-Y29,Y31-Y34,Y87.2,Y89.9)
449	1		Legal intervention (Y35,Y89.0)
450			Legal execution (Y35.5)
451			Other legal intervention and their sequelae (Y35.0-Y35.4,Y35.6-Y35.7,Y89.0)
452			Operations of war and their sequelae (Y36,Y89.1)
453	1		Complications of medical and surgical care (Y40-Y84,Y88)
454			Drugs, medicaments and biological substances causing adverse effects in therapeutic use and their sequelae (Y40-Y59,Y88.0)
455			Misadventures to patients during medical and surgical care and their sequelae (Y60-Y69,Y88.1)
456			Other complications of medical and surgical care and their sequelae (Y70-Y84,Y88.2-Y88.3)