

2021 Documentation

Mortality Multiple Cause-of-Death Public Use Record

The file layout is separate for US and territories data but both are included in this package. See Deaths: Final Data for 2021 (forthcoming) at <https://www.cdc.gov/nchs/products/nvsr.htm> for other notes about the file.

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

List of File Data Elements and File Locations

<u>Data Items</u>	<u>File Locations</u>
1. General	
a. Record type	19
b. Resident status	20
c. Place of death and decedent's status	83
d. Day of week of death	85
e. Data year	102-105
f. Manner of death	107
2. The Decedent	
a. Education	63-64
b. Month of Death	65-66
c. Sex	69
d. Age	70-82
e. Marital status	84
f. Race (1997 OMB standards)	448,489-490
g. Hispanic origin	484-486
h. Usual occupation and industry	806-817
(For more detail on occupation and industry variables, see Industry and Occupation (I&O) data as applicable to mortality vital statistics, 2020: History, Background, and Control Tables).	
3. Cause of death	
1. Underlying Cause	
a. ICD-10 code	146-149
b. 358 cause recode	150-152
c. 113 cause recode	154-156
d. 130 cause recode	157-159
e. 39 cause recode	160-161
2. Multiple Conditions	
a. Entity-Axis conditions	
1. Number of	163-164
2. The conditions	165-304
b. Record-Axis conditions	
1. Number of	341-342
2. The conditions	344-443

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

List of File Data Elements and File Locations

<u>Data Items</u>	<u>File Locations</u>
4. Other medical items	
a. Injury at work	106
b. Method of disposition	108
c. Autopsy	109
d. Activity code	144
e. Place of injury	145

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-18	18	<u>Reserved Positions</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.
21-62	42	<u>Reserved Positions</u>
63-64	2	EDUCATION
63	1	<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.
	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
64	1	<u>Education reporting flag</u>
	1	... 2003 revision of education item on certificate
	2	... no education item on certificate

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
65-66	2	<u>Month of Death</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
67-68	2	<u>Reserved Positions</u>
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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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
		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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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
		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 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</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 ... 7-13 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
		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
		W ... Widowed
		D ... Divorced
		U ... Marital Status unknown

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</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
86-101	16	<u>Reserved Positions</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
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
110-143	34	<u>Reserved Positions</u>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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.-

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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) and Instructions for classifying the multiple causes of death, 2021. NCHS Instruction Manual; part 2b, Appendix G (cdc.gov) .
150-152	3	<u>358 Cause Recode</u> A recode of the ICD cause code into 358 groups for NCHS publications. This document includes the complete list of recodes and causes included. 001-456 ... Code range (not inclusive)
153	1	<u>Reserved Position</u>
154-156	3	<u>113 Cause Recode</u> A recode of the ICD cause code into 113 groups for NCHS publications. This document includes a complete list of recodes and causes included. 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. This document includes a complete list of recodes and causes included. 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. This document includes a complete list of recodes and causes included. 01-42 ... Code range (not inclusive)
162	1	<u>Reserved Position</u>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																					
163-443	281	<u>MULTIPLE CONDITIONS</u>																					
163-164	2	<u>Number of Entity-Axis Conditions</u> 00-20 ... Code range																					
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 7 th position will be blank. Records that do not have 20 conditions are blank in the unused area. Position 1: Part/line number on certificate <table style="margin-left: 40px;"> <tr><td>1</td><td>...</td><td>Part I, line 1 (a)</td></tr> <tr><td>2</td><td>...</td><td>Part I, line 2 (b)</td></tr> <tr><td>3</td><td>...</td><td>Part I, line 3 (c)</td></tr> <tr><td>4</td><td>...</td><td>Part I, line 4 (d)</td></tr> <tr><td>5</td><td>...</td><td>Part I, line 5 (e)</td></tr> <tr><td>6</td><td>...</td><td>Part II</td></tr> </table> Position 2: Sequence of condition within part/line <table style="margin-left: 40px;"> <tr><td>1-7</td><td>...</td><td>Code range</td></tr> </table> Position 3 - 6: Condition code See Control Total Table 1 for a complete list of codes.	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	1-7	...	Code range
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																					
1-7	...	Code range																					
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																					
249-255	7	13 th Condition																					
256-262	7	14 th Condition																					
263-269	7	15 th Condition																					
270-276	7	16 th Condition																					

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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>
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 5 th position will be blank with the exception of a subset of records classified to ICD-10 CHAPTER XV - Pregnancy, childbirth and the puerperium (O00-O99). Such records are identifiable by the presence of a value "1" in the 5 th position of the 2 nd condition. These are instances where a decedent < 45 years of age has been classified as a maternal death using input from the information entered in the pregnancy status checkbox item, and the 2 nd condition represents the cause of death to which the given record would be classified had the causes of death been processed without considering the pregnancy status checkbox. See National Vital Statistics Reports Volume 69, Number 2, January 2020 (cdc.gov) . Records that do not have 20 conditions are blank in the unused area. Positions 1 - 4: Condition Code See Control Total Table 1 for a complete list of codes.
344-348	5	1 st Condition
349-353	5	2 nd Condition
354-358	5	3 rd Condition
359-363	5	4 th Condition
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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
404-408	5	13 th Condition
409-413	5	14 th Condition
414-418	5	15 th Condition
419-423	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
444-447	4	<u>Reserved positions</u>
448-490	43	<u>RACE AND HISPANIC ORIGIN</u>
448	1	<u>Race Imputation Flag</u>
		Blank ... Race is not imputed
		1 ... Unknown race is imputed
		2 ... All other races is imputed
449-483	35	<u>Reserved</u>
484-486	3	<u>Hispanic Origin</u>
		100-199 ... Non-Hispanic
		200-209 ... Spaniard
		210-219 ... Mexican
		260-269 ... Puerto Rican
		270-274 ... Cuban
		275-279 ... Dominican
		220-230 ... Central American
		231-249 ... South American
		250-259 ... Latin American
		280-299 ... Other Hispanic
		996-999 ... Unknown
487-488	2	<u>Reserved</u>
489-490	2	<u>Race Recode 40</u>

This variable is available as of 2018. It provides reported singleton and multiple-race combinations based on the 2003 revision of the death certificate, which reflects 1997 Office of Management and Budget (OMB) race-reporting guidelines. This variable is not directly comparable with previous versions. Note that reporting areas gradually transitioned from the 1989 revision of the death certificate, on which race was reported according to 1977 OMB guidelines, to the 2003 revision during the 2003-2017 period. As of 2018, all reporting areas had completed this transition. The bridged-race variables, which made the two sets of race variables compatible during the transition period, were included on the mortality file through data year 2020 and are not available as of 2021. See [National Vital Statistics Reports Volume 70, Number 3, April 2021, Comparability](#)

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

File <u>Location</u>	Field <u>Size</u>	<u>Item and Code Outline</u>
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[of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards](#) and the
 Technical Notes of [National Vital Statistics Reports Volume 69, Number 13, January 2021](#) .

- | | | |
|----|-----|---|
| 01 | ... | White |
| 02 | ... | Black |
| 03 | ... | American Indian or Alaskan Native (AIAN) |
| 04 | ... | Asian Indian |
| 05 | ... | Chinese |
| 06 | ... | Filipino |
| 07 | ... | Japanese |
| 08 | ... | Korean |
| 09 | ... | Vietnamese |
| 10 | ... | Other or Multiple Asian |
| 11 | ... | Hawaiian |
| 12 | ... | Guamanian |
| 13 | ... | Samoaan |
| 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 |

491-805

Reserved

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																																											
806-817	12	<p><u>DECEDENT'S USUAL OCCUPATION AND INDUSTRY</u></p> <p>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 CDC 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.</p> <p>For more detail, please see Industry and Occupation (I&O) data as applicable to mortality vital statistics, 2020: History, Background, and Control Tables.</p>																																																																											
806-809	4	<p><u>Occupation 4-digit code</u></p> <p>See the NIOSH document listing the 2012 4-digit Census codes for Occupations. (Census Industry & Occupational Classification System NIOSH CDC).</p>																																																																											
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> <table border="0"> <tr><td>01</td><td>...</td><td>MANAGEMENT OCCUPATIONS</td></tr> <tr><td>02</td><td>...</td><td>BUSINESS & FINANCIAL OPERATIONS OCCUPATIONS</td></tr> <tr><td>03</td><td>...</td><td>COMPUTER & MATHEMATICAL OCCUPATIONS</td></tr> <tr><td>04</td><td>...</td><td>ARCHITECTURE & ENGINEERING OCCUPATIONS</td></tr> <tr><td>05</td><td>...</td><td>LIFE, PHYSICAL, & SOCIAL SCIENCE OCCUPATIONS</td></tr> <tr><td>06</td><td>...</td><td>COMMUNITY & SOCIAL SERVICES OCCUPATIONS</td></tr> <tr><td>07</td><td>...</td><td>LEGAL OCCUPATIONS</td></tr> <tr><td>08</td><td>...</td><td>EDUCATION, TRAINING, & LIBRARY OCCUPATIONS</td></tr> <tr><td>09</td><td>...</td><td>ARTS, DESIGN, ENTERTAINMENT, SPORTS, & MEDIA OCCUPATIONS</td></tr> <tr><td>10</td><td>...</td><td>HEALTHCARE PRACTITIONERS & TECHNICAL OCCUPATIONS</td></tr> <tr><td>11</td><td>...</td><td>HEALTHCARE SUPPORT OCCUPATIONS</td></tr> <tr><td>12</td><td>...</td><td>PROTECTIVE SERVICE OCCUPATIONS</td></tr> <tr><td>13</td><td>...</td><td>FOOD PREPARATION & SERVING RELATED OCCUPATIONS</td></tr> <tr><td>14</td><td>...</td><td>BUILDING & GROUNDS CLEANING & MAINTENANCE OCCUPATIONS</td></tr> <tr><td>15</td><td>...</td><td>PERSONAL CARE & SERVICE OCCUPATIONS</td></tr> <tr><td>16</td><td>...</td><td>SALES & RELATED OCCUPATIONS</td></tr> <tr><td>17</td><td>...</td><td>OFFICE & ADMINISTRATIVE SUPPORT OCCUPATIONS</td></tr> <tr><td>18</td><td>...</td><td>FARMING, FISHING, & FORESTRY OCCUPATIONS</td></tr> <tr><td>19</td><td>...</td><td>CONSTRUCTION & EXTRACTION OCCUPATIONS</td></tr> <tr><td>20</td><td>...</td><td>INSTALLATION, MAINTENANCE, & REPAIR OCCUPATIONS</td></tr> <tr><td>21</td><td>...</td><td>PRODUCTION OCCUPATIONS</td></tr> <tr><td>22</td><td>...</td><td>TRANSPORTATION & MATERIAL MOVING OCCUPATIONS</td></tr> <tr><td>24</td><td>...</td><td>MILITARY</td></tr> <tr><td>25</td><td>...</td><td>OTHER—MISC (EXC HOUSEWIFE)</td></tr> <tr><td>26</td><td>...</td><td>OTHER—HOUSEWIFE</td></tr> </table>	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
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2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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812-815	4	<u>Industry 4-digit code</u>
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See the NIOSH document listing the 2012 4-digit Census codes for Industries. ([Census Industry & Occupational Classification System | NIOSH | CDC](#)).

816-817	2	<u>Industry recode</u>
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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	...	EDUCATION 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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

List of File Data Elements and File Locations

<u>Data Items</u>	<u>File Locations</u>
1. General	
a. Record Type	19
b. Resident status	20
c. Place of death and decedent's status	83
d. Day of week of death	85
e. Data year	102-105
f. Manner of death	107
2. Occurrence	
a. State (FIPS)	21-22
b. County (FIPS)	23-25
c. County Population size	28
3. Residence	
a. State (FIPS)	29-30
b. State/Country Recode	33-34
c. County (FIPS)	35-37
d. County Population size	51
4. The Decedent	
a. State/Country of birth recode	59-60
b. Education	63-64
c. Month of Death	65-66
d. Sex	69
e. Age	70-82
f. Marital status	84
g. Race	448,489-490
h. Hispanic origin	484-488
5. Cause of death	
1. Underlying Cause	
a. ICD-10 code	146-149
b. 358 cause recode	150-152
c. 113 cause recode	154-156
d. 130 cause recode	157-159
e. 39 cause recode	160-161

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

List of File Data Elements and File Locations

<u>Data Items</u>	<u>File Locations</u>
2. Multiple Conditions	
a. Entity-Axis conditions	
1. Number of	163-164
2. The conditions	165-304
b. Record-Axis conditions	
1. Number of	341-342
2. The conditions	344-443
6. Other medical items	
a. Injury at work	106
b. Method of disposition	108
c. Autopsy	109
d. Activity code	144
e. Place of injury	145

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-18	18	<u>Reserved Positions</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>
		Puerto Rico Occurrence
	1	... RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	3	... INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
	4	... FOREIGN RESIDENTS Occurred in Puerto Rico to a resident of any other place.
		Virgin Islands Occurrence
	1	... RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	3	... INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
	4	... FOREIGN RESIDENTS Occurred in Virgin Islands to a resident of any other place.

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		Guam Occurrence
	1 ...	RESIDENTS Occurred in Guam to a resident of Guam or to a resident of the U.S.
	3 ...	INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
	4 ...	FOREIGN RESIDENTS Occurred in Guam to a resident of any place other than Guam or the U.S.
		American Samoa Occurrence
	1 ...	RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2 ...	INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	3 ...	INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
	4 ...	FOREIGN RESIDENTS Occurred in American Samoa to a resident of any other place.
		Northern Marianas Occurrence
	1 ...	RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2 ...	INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	3 ...	INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
	4 ...	FOREIGN RESIDENTS Occurred in Northern Marianas to a resident of any other place.
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 2010 Census.
21-28	8	<u>PLACE OF OCCURRENCE</u>
21-22	2	<u>State of Occurrence (FIPS)</u>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		Puerto Rico PR ... Puerto Rico
		Virgin Islands VI ... Virgin Islands
		Guam GU ... Guam
		American Samoa AS ... American Samoa
		Northern Marianas MP ... Northern Marianas
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 with a population of 100,000 or more in 2010. (Note: To uniquely identify a county, both the state and county codes must be used.) For a complete list of counties, see Instruction Manual - Part 8 - Vital Records, Geographic Classification, 2014 (cdc.gov) . 001-999 ... Code range 999 ... County of less than 100,000 population
26-27	2	<u>Reserved Positions</u>
28	1	<u>Population Size of County of Occurrence</u> Based on the results of the 2010 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 9 ... County of less than 100,000
29-54	26	<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.
29-30	2	<u>State of Residence (FIPS)</u> Territory Residents PR ... Puerto Rico VI ... Virgin Islands GU ... Guam AS ... American Samoa MP ... Northern Marianas

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		<p>Foreign residents</p> <p>CC ... Canada</p> <p>MX ... Mexico</p> <p>CU ... Cuba</p> <p>YY ... Remainder of the world</p> <p>Puerto Rico Occurrence</p> <p>PR ... Puerto Rico</p> <p>US, ZZ ... Foreign residents</p> <p>Virgin Islands Occurrence</p> <p>VI ... Virgin Islands</p> <p>US, ZZ ... Foreign residents</p> <p>Guam Occurrence</p> <p>GU ... Guam</p> <p>US ... U.S. resident. Also considered a resident of Guam.</p> <p>ZZ ... Foreign residents: refer to U.S. for specific code structure.</p> <p>American Samoa Occurrence</p> <p>AS ... American Samoa</p> <p>US, ZZ ... Foreign residents</p> <p>Northern Marianas Occurrence</p> <p>MP ... Northern Marianas</p> <p>US, ZZ ... Foreign residents</p>
31-32	2	<u>Reserved Positions</u>
33-34	2	<u>State/Country of Residence Recode</u>
		<p>Territory residents</p> <p>PR ... Puerto Rico</p> <p>VI ... Virgin Islands</p> <p>GU ... Guam</p> <p>AS ... American Samoa</p> <p>MP ... Northern Marianas</p> <p>Foreign residents</p> <p>CC ... Canada</p> <p>MX ... Mexico</p> <p>CU ... Cuba</p> <p>YY ... Remainder of the world</p> <p>Puerto Rico Occurrence</p> <p>PR ... Puerto Rico</p> <p>US, ZZ ... Foreign residents</p> <p>Virgin Islands Occurrence</p> <p>VI ... Virgin Islands</p> <p>US, ZZ ... Foreign residents</p>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		<p>Guam Occurrence</p> <p>GU ... Guam</p> <p>US ... U.S. resident. Also considered a resident of Guam.</p> <p>ZZ ... Foreign residents</p> <p>American Samoa Occurrence</p> <p>AS ... American Samoa</p> <p>US, ZZ ... Foreign residents</p> <p>Northern Marianas Occurrence</p> <p>MP ... Northern Marianas</p> <p>US, ZZ ... Foreign residents</p>
35-37	3	<p><u>County of Residence (FIPS)</u></p> <p>Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 2010. (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).</p> <p>000 ... Foreign residents</p> <p>001-nnn... Code range</p> <p>999 ... County of less than 100,000 population</p>
38-50	13	<u>Reserved Positions</u>
51	1	<p><u>Population Size of County of Residence</u></p> <p>Based on the results of the 2010 Census</p> <p>0 ... County of 1,000,000 or more</p> <p>1 ... County of 500,000 to 1,000,000</p> <p>2 ... County of 250,000 to 500,000</p> <p>3 ... County of 100,000 to 250,000</p> <p>9 ... County of less than 100,000</p> <p>Z ... Foreign residents</p>
52-54	3	<u>Reserved Positions</u>
55-60	6	<p><u>Place of Birth (FIPS)</u></p> <p>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.</p>
55-58	4	<u>Reserved Positions</u>
59-60	2	<p><u>State/Country Birth Recode</u></p> <p>Territory residents</p> <p>PR ... Puerto Rico</p>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		VI ... Virgin Islands GU ... Guam AS ... American Samoa MP ... Northern Marianas Foreign residents US ... United States CC ... Canada MX ... Mexico CU ... Cuba YY ... Remainder of the world ZZ ... Unknown place of birth
63-64	2	EDUCATION
63	1	<u>Education</u> Field is blank for registration areas that are using the 1989 revision format of the item. 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
64	1	<u>Education reporting flag</u> 1 ... education item on certificate 2 ... no education item on certificate
65-66	2	<u>Month of Death</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
67-68	2	<u>Reserved Positions</u>

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																								
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. <table border="0" style="margin-left: 20px;"> <tr><td>1</td><td>001-135,999</td><td>...</td><td>Years</td></tr> <tr><td>2</td><td>001-011,999</td><td>...</td><td>Months</td></tr> <tr><td>4</td><td>001-027,999</td><td>...</td><td>Days</td></tr> <tr><td>5</td><td>001-023,999</td><td>...</td><td>Hours</td></tr> <tr><td>6</td><td>001-059,999</td><td>...</td><td>Minutes</td></tr> <tr><td>9</td><td>999</td><td>...</td><td>Age not stated</td></tr> </table>	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
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. <table border="0" style="margin-left: 20px;"> <tr><td>Blank</td><td>...</td><td>Calculated age is not substituted for reported age</td></tr> <tr><td>1</td><td>...</td><td>Calculated age is substituted for reported age</td></tr> </table>	Blank	...	Calculated age is not substituted for reported age	1	...	Calculated age is substituted for 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 17 ... 6 months 18 ... 7 months 19 ... 8 months 20 ... 9 months 21 ... 10 months 22 ... 11 months 23 ... 1 year 24 ... 2 years																								

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		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
		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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
		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
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 - 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
		17 ... 6 months
		18 ... 7 months
		19 ... 8 months
		20 ... 9 months
		21 ... 10 months
		22 ... 11 months

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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
		W ... Widowed
		D ... Divorced
		U ... Marital Status unknown
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
86-101	16	<u>Reserved Positions</u>
102-105	4	<u>Current Data Year</u>
		2021 ... 2021
106	1	<u>Injury at Work</u>
		Y ... Yes
		N ... No
		U ... Unknown

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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
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
110-143	34	<u>Reserved Position</u>
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.-

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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) and Instructions for classifying the multiple causes of death, 2021. NCHS Instruction Manual; part 2b, Appendix G (cdc.gov) .
150-152	3	<u>358 Cause Recode</u> A recode of the ICD cause code into 358 groups for NCHS publications. This document includes a complete list of recodes and causes included. 001-456 ... Code range (not inclusive)
153	1	<u>Reserved Position</u>
154-156	3	<u>113 Cause Recode</u> A recode of the ICD cause code into 113 groups for NCHS publications. This document includes a complete list of recodes and causes included. 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. This document includes a complete list of recodes and causes included. 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. This document includes a complete list of recodes and causes included. 01-42 ... Code range (not inclusive)
162	1	<u>Reserved Position</u>
163-443	281	<u>MULTIPLE CONDITIONS</u>
163-164	2	<u>Number of Entity-Axis Conditions</u> 00-20 ... Code range
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 7 th position will be blank. Records that do not have 20 conditions are blank in the unused area. Position 1: Part/line number on certificate

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
	1	...
	2	...
	3	...
	4	...
	5	...
	6	...
		Part I, line 1 (a)
		Part I, line 2 (b)
		Part I, line 3 (c)
		Part I, line 4 (d)
		Part I, line 5 (e)
		Part II
		Position 2: Sequence of condition within part/line
	1-7	...
		Code range
		Positions 3-6: Condition code
		See Control Total Table 1 for a complete list of codes.
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
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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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>
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 5 th position will be blank with the exception of a subset of records classified to ICD-10 CHAPTER XV - Pregnancy, childbirth and the puerperium (O00-O99). Such records are identifiable by the presence of a value "1" in the 5 th position of the 2 nd condition. These are instances where a decedent < 45 years of age has been classified as a maternal death using input from the information entered in the pregnancy status checkbox item, and the 2 nd condition represents the cause of death to which the given record would be classified had the causes of death been processed without considering the pregnancy status checkbox. See National Vital Statistics Reports Volume 69, Number 2 January, 2020 (cdc.gov) . Records that do not have 20 conditions are blank in the unused area. Positions 1-4: Condition Code See Control Total Table 1 for a complete list of codes.
344-348	5	1 st Condition
349-353	5	2 nd Condition
354-358	5	3 rd Condition
359-363	5	4 th Condition
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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
409-413	5	14 th Condition
414-418	5	15 th Condition
419-423	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
444-447	4	<u>Reserved position</u>
448-490	43	<u>RACE AND HISPANIC ORIGIN</u>
448	1	<u>Race Imputation Flag</u>
		Blank ... Race is not imputed
		1 ... Unknown race is imputed
		2 ... All other races is imputed
449-483	35	<u>Reserved Positions</u>
484-486	3	<u>Hispanic Origin</u>
		100-199 ... 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
487-488	2	<u>Reserved Positions</u>
489-490	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

2021 Documentation
Mortality Multiple Cause-of-Death Public Use Record
Territories File

<u>File Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>	
	05	...	Chinese
	06	...	Filipino
	07	...	Japanese
	08	...	Korean
	09	...	Vietnamese
	10	...	Other or Multiple Asian
	11	...	Hawaiian
	12	...	Guamanian
	13	...	Samoaan
	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

491-805

Reserved

Tenth Revision 39 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 *****

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;
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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
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)

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

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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
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)
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)

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

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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
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)
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)
#				Enterocolitis due to <i>Clostridium difficile</i> (A04.7)
#				COVID-19 (U07.1)

NOTE: In 2006, ICD-10 code A04.7 Enterocolitis due to *Clostridium difficile* was added to the bottom of the 113 Selected Causes of Death list. In 2020, ICD-10 code U07.1 COVID-19 was added to the bottom of the 113 Selected Causes of Death list. The symbol # denotes the cause was added as a rankable cause of death.

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;
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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

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	3		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)

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

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

130	S	
Recode	T	<u>Sex Age Cause Title and ICD-10 Codes Included</u>
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)
052		All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)
053	1	Diseases of the respiratory system (J00-J98,U04)
054		Acute upper respiratory infections (J00-J06)
055	1	Influenza and pneumonia (J09-J18)
056		Influenza (J09-J11)
057		Pneumonia (J12-J18)
058		Acute bronchitis and acute bronchiolitis (J20-J21)
059		Bronchitis, chronic and unspecified (J40-J42)
060		Asthma (J45-J46)
061		Pneumonitis due to solids and liquids (J69)
062		Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47,J68,J70-J98,U04)
063	1	Diseases of the digestive system (K00-K92)
064		Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)
065		Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)
066		All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)
067	1	Diseases of the genitourinary system (N00-N95)
068		Renal failure and other disorders of kidney (N17-N19,N25,N27)
069		Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)
070	1	Certain conditions originating in the perinatal period (P00-P96)
071	1	Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)
072		Newborn affected by maternal hypertensive disorders (P00.0)
073		Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)
074	1	Newborn affected by maternal complications of pregnancy (P01)
075		Newborn affected by incompetent cervix (P01.0)
076		Newborn affected by premature rupture of membranes (P01.1)
077		Newborn affected by multiple pregnancy (P01.5)
078		Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)
079	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)

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

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

130	S	
Recode	T	<u>Sex Age Cause Title and ICD-10 Codes Included</u>
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)
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)
113		Hematological disorders (P60-P61)
114		Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)
115		Necrotizing enterocolitis of newborn (P77)
116		Hydrops fetalis not due to hemolytic disease (P83.2)
117		Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)
118	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)

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

130	S	
Recode	T	<u>Sex Age Cause Title and ICD-10 Codes Included</u>
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)
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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***** Cause Subtotals are not identified in this file *****

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		Helminthiases (B65-B83)
064			Schistosomiasis (bilharziasis) (B65)
065			Other and unspecified helminthiases (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	1		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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***** Cause Subtotals are not identified in this file *****

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	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)

Tenth Revision 358 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;
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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
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)
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	6		Mental and behavioral disorders due to psychoactive substance use (F10-F19)
178		6		Mental and behavioral disorders due to use of alcohol (F10)
179		6		Mental and behavioral disorders due to other psychoactive substance use (F11-F19)
180		6		Schizophrenia, schizotypal and delusional disorders (F20-F29)
181		6		Mood (affective) disorders (F30-F39)
182		6		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)

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358	S			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
210	1			Ischemic heart diseases (I20-I25)
211				Acute myocardial infarction (I21-I22)
212				Other acute ischemic heart diseases (I24)
213	1			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)
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	3		Heart failure (I50)
230		3		Congestive heart failure (I50.0)
231		3		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		3		Viral pneumonia, not elsewhere classified (J12)
256		3		Bacterial pneumonia (J13-J15)
257		3		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)

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358	S		
Recode	T	Sex Age	Cause Title and ICD-10 Codes Included
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)
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		6	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)

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358	S			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
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)
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,O72)
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)

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358	S		
Recode	T	Sex Age	Cause Title and ICD-10 Codes Included
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)
389			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)

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358 S

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

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				Victim of 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)
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)

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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)