

# **Mortality and causes of death in South Africa, 2011**

## **Metadata (Public version)**

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The metadata file contains the following information for each variable:

- **Descriptive name of variables:**  
A brief description of the variable name.
- **Variable name:**  
The name of the variable (provided in brackets) and as heading for the value labels.
- **Type and position of the variable:**  
The type and position of a variable within a record is recorded in the format *type (@xxx L)*. The *type* specifies if the variable is a numeric or a character (string/alphanumeric variables). *@xxx* indicates the position (column) at which the variable starts. *L* indicates the length of the field.
- **Note to users:**  
The note is provided for each variable to provide additional information for further clarity on questions and definition of concepts.

Other relevant information available on the Statistics South Africa website ([www.statssa.gov.za](http://www.statssa.gov.za)) or from User Information Services:

- Statistical release on Mortality and causes of death in South Africa, 2011: Findings from death notification

## Methodology

### 1. System design

The registration of deaths is governed by the Births and Deaths Registration Act, 1992 (Act No. 51 of 1992), as amended, and is administered by the Department of Home Affairs using Forms BI-1663 and DHA-1663 (Notification/Register of death/stillbirth). After a death is registered, the Department of Home Affairs issues a death certificate and, where applicable, updates the population register. The forms are then collected by Statistics South Africa (Stats SA) for processing.

The processing of death notification forms includes sorting, pasting, precoding, coding and capturing. The process of sorting involves sorting the forms by year of death, month, day and finally by surname of the deceased in alphabetical order. The main purpose of sorting is to identify and remove duplicates. During data processing, unique identifiers (serial numbers) are developed for each form for the purpose of tracking the forms through the different processing phases. Because of the complexity of the coding of diseases, Stats SA decided that all demographic and socio-economic variables on the forms, except the actual causes of death, should be precoded, to expedite the process. Thereafter, the causes of death are manually coded.

Coding the information on causes of death followed a two-step process entailing initial coding and verification by more experienced coders. The causes of death data presented were coded by procedures described in the *Stats SA manual guidelines for coders using ICD-10*. The ICD-10 (10<sup>th</sup> revision of the International Classification of Disease and related health problems) coding provides the basic guidance used in virtually all countries to code and classify causes of death data. It provides information on coding in terms of disease, injury and poisoning categories. It also provides the rules for selecting the underlying cause of death from the several diagnoses that may be reported on the death certificate, as well as definitions, tabulation lists, guidelines for the death notification form, and regulations on the use of the classification.

After all processes have been undertaken, the data are captured and duplicates verified to ensure that all the death notification forms removed as duplicates during sorting were indeed duplicates, and to identify any that were mistakenly taken out as duplicates. The data are then edited and inconsistent cases manually verified.

The underlying cause of death is then derived automatically using a software programme called Automated Classification of Medical Entities (ACME 2011) developed by the United States National Center for Health Statistics (NCHS). The ACME program applies World Health Organization rules on the selection of underlying causes of death. The ACME program is used as the international standard in the automated coding of causes of death. An additional software called IRIS was also used to derive the underlying cause of death. IRIS is an automated system for coding multiple causes of death and for the selection of the underlying cause of death. IRIS is based on the international form of death certificate provided by WHO, and coding of causes of death follows ICD-10 rules and guidelines.

The Stats SA coding manual prescribes the use of three-character codes while the ACME program requires four-character codes in deriving the underlying cause of death. A conversion program was therefore applied to the codes for the ACME system to recognise the data as valid input. In most of the cases, the fourth character was '9' or '8', indicating that the detail of the coded disease was not specified.

The preparation of the ACME 2011 input file involved the following:

- a) Conversion of the captured ICD-10 codes into the required ACME format.
- b) Comparison of coded value sets for the up to five causes of death (Cause A, B, C, D and other causes of death, with the associated injury when necessary) with the valid value sets in the ACME instruction manual, and editing where necessary.

## 2. Coverage

The target population is all deaths that occurred in 2011 and registered at the Department of Home Affairs. It therefore excludes the 2011 deaths that might not be registered, possible late registrations, and deaths that have been registered, but had not reached Stats SA during the current processing phase.

## 3. Confidentiality

The information remains confidential to Stats SA. The Statistics Act, 1999 (Act No. 6 of 1999) prohibits the disclosure of information regarding individuals to any person concerned or his lawful representative. Therefore, the information on mortality and causes of death published does not include personal information about the deceased or informants and is released in such a way that no individual can be identified.

## 4. Contents of the CD

The data file provided contains 47 variables.

Users are cautioned that the following variables had a high percentage of cases where information was unspecified or unknown:

- (a) Place of death, e.g. hospital, home, nursing home, etc. (22,9%)
- (b) Was the deceased a smoker? (44,6%)
- (c) Was the deceased pregnant 42 days prior to death? (75,2%)
- (d) Province of birth (15,6%)
- (e) Marital status of deceased (16,0%)
- (f) Education of deceased (50,7%)
- (g) Occupation (73,8% were classified as occupations unspecified and occupations not elsewhere classified)
- (h) Industry (64,1%)

**Note: Unknown:** Refers to cases where more than one option was marked or the response was not legible.

**Unspecified:** Refers to cases where no response was given.

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The type and position of a variable within a record is recorded in the format (@xxx L) @xxx and indicates the position (column) at which the variable starts. L indicates the length of the field.
- **Note to users:**  
The note is provided for each variable to provide additional information for further clarity on questions and definition of concepts.

Other relevant information is available on the Statistics South Africa website ([www.statssa.gov.za](http://www.statssa.gov.za)) or from User Information Services: Statistical release on Mortality and causes of death in South Africa, 2011: Findings from death notification (P0309.3).

## A. DEMOGRAPHIC CHARACTERISTICS

### Unique sequence number (Serial\_No)

Numeric: (@1 11)

1.	Serial_No
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#### Note to users

This variable is derived from pasted label automatically created to provide a unique identifier for each death notification form.

Valid range: 20110000001–20110524398

### Type of death (DeathType)

Numeric: (@12 1)

2.	<b>DeathType</b> 1 = Individual death 2 = Stillbirth
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#### Note to users

Individual death is a death that occurred any time after a live birth had taken place. Stillbirth is the intra-uterine death of a foetus of at least 26 weeks of gestation that showed no sign of life after complete birth.

### Year of death (DeathYear)

Numeric: (@13 4)

3.	DeathYear
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#### Note to users

This variable refers to the year in which the death occurred.

Valid year: 2011

### Month of death (DeathMonth)

Numeric: (@17 2)

4.	<b>DeathMonth</b> 1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
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#### Note to users

This variable provides information on the month in which the death occurred.

### Day of death (DeathDay)

Numeric: (@19 2)

5.	DeathDay
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#### Note to users

This variable provides information on the day on which the death occurred.

Valid range: 1–31

**Year of birth (BirthYear)**

Numeric: (@21 4)

6.	BirthYear
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**Note to users**

This variable refers to the year in which the deceased was born.  
Valid range: 1890–2011

**Final code list**

9999 = Unspecified

**Month of birth (BirthMonth)**

Numeric: (@25 2)

7.	<b>BirthMonth</b> 1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
----	--

**Note to users**

This variable provides information on the month in which the deceased was born.

**Final code list**

1 = January  
 2 = February  
 3 = March  
 4 = April  
 5 = May  
 6 = June  
 7 = July  
 8 = August  
 9 = September  
 10 = October  
 11 = November  
 12 = December  
 99 = Unspecified

**Day of birth (BirthDay)**

Numeric: (@27 2)

8.	BirthDay
----	----------

**Note to users**

This variable provides information on the day on which the deceased was born.  
Valid range: 1–31

**Final code list**

99 = Unspecified

**Age in completed years (AgeYear)**

Numeric: (@29 3)

9.	AgeYear
----	---------

**Note to users**

This variable refers to the age of the deceased in completed years at the time of death.  
Valid range: 0–121

**Final code list**

999 = Unspecified

**Year of death registration (RegistrationYear)**

Numeric: (@32 4)

10.	RegistrationYear
-----	------------------

**Note to users**

This variable refers to the year in which a death was registered.  
Valid range: 2011–2013

**Month of death registration (RegistrationMonth)**

Numeric: (@36 2)

11.	<b>RegistrationMonth</b> 1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
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**Note to users**

This variable refers to the month in which the death was registered.

**Day of death registration (RegistrationDay)**

Numeric: (@38 2)

12.	RegistrationDay
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**Note to users**

This variable provides information on the day on which the death was registered.  
Valid range: 1–31

**Sex of deceased (Sex)**

Numeric: (@40 1)

13.	<b>Sex</b> 1 = Male 2 = Female
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**Note to users**

This variable provides information on the sex of the deceased.

**Final code list**

- 1 = Male
- 2 = Female
- 9 = Unspecified

**Marital status of deceased (MStatus)**

Numeric: (@41 1)

14.	<b>MStatus</b> 1 = Single 2 = Married 3 = Widowed 4 = Divorced
-----	--

**Note to users**

This variable provides information on the marital status of the deceased.

**Final code list**

- 1 = Single
- 2 = Married
- 3 = Widowed
- 4 = Divorced
- 5 = Not applicable
- 8 = Unknown
- 9 = Unspecified

**Relationship of informant to deceased (Relationship)**

Numeric: (@42 1)

15.	<b>Relationship</b> 1 = Parent 2 = Spouse 3 = Child 4 = Other kin 5 = Other
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**Note to users**

This variable provides information on the relationship of the informant to the deceased.

**Final code list**

- 1 = Parent
- 2 = Spouse
- 3 = Child
- 4 = Other kin
- 5 = Other
- 8 = Unknown
- 9 = Unspecified

**Next of kin a smoker (NextKinSmoker)**

Numeric: (@43 1)

16.	<b>NextKinSmoker</b> 1 = Smoking 2 = Not smoking 3 = Refused to answer
-----	---

**Note to users**

This variable provides information on the smoking status of the next of kin of the deceased.



**Final code list**

1 = Smoking  
 2 = Not smoking  
 3 = Refused to answer  
 8 = Unknown  
 9 = Unspecified

**Education of deceased (EduCode)**

Numeric: (@44 2)

17.	<b>EduCode</b> 0 = None 1 = Grade R 2 = Sub A Gr1 3 = Sub B Gr2 4 = Std 1 Gr3 5 = Std 2 Gr4 6 = Std 3 Gr5 7 = Std 4 Gr6 8 = Std 5 Gr7 9 = Std 6 Gr8 10 = Std 7 Gr9 11 = Std 8 Gr10 Form3 NTC1 12 = Std 9 Gr11 Form4 NTC2 13 = Std 10 Gr12 Form5 NTC3 14 = University / Tech
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**Note to users**

This variable provides information on the highest level of education that the deceased completed or achieved.

**Final code list**

0 = None  
 1 = Grade R  
 2 = Sub A Gr1  
 3 = Sub B Gr2  
 4 = Std 1 Gr3  
 5 = Std 2 Gr4  
 6 = Std 3 Gr5  
 7 = Std 4 Gr6  
 8 = Std 5 Gr7  
 9 = Std 6 Gr8  
 10 = Std 7 Gr9  
 11 = Std 8 Gr10 Form3 NTC1  
 12 = Std 9 Gr11 Form4 NTC2  
 13 = Std 10 Gr12 Form5 NTC3  
 14 = University / Tech  
 97 = Unknown  
 98 = Not applicable  
 99 = Unspecified

**Occupation of deceased (SubOccupation)**

Numeric: (@46 2)

<b>18.</b>	<b>SubOccupation</b> 08 = Occupations unspecified not elsewhere classified 09 = Not economically active persons 11 = Chief executives, senior officials and legislators 12 = Administrative and commercial managers 13 = Production and specialised services managers 14 = Hospitality, retail and other services managers 21 = Science and engineering professionals 22 = Health professionals 23 = Teaching professionals 24 = Business and administration professionals 25 = Information and Communication Technology professionals 26 = Legal, social and cultural professionals 31 = Science and engineering associate professionals 32 = Health associate professionals 33 = Business and administration associate professionals 34 = Legal, social, cultural and related associate professionals 35 = Information and communications technicians 41 = General and keyboard clerks 42 = Customer services clerks 43 = Numerical and material recording clerks 44 = Other clerical support workers 51 = Personal services workers 52 = Sales workers 53 = Personal care workers 54 = Protective service workers and armed forces occupations 61 = Market-orientated skilled agricultural workers 62 = Market-orientated skilled forestry, fishery and hunting workers 63 = Subsistence farmers, fishers, hunters and gatherers 71 = Building and related trades workers, excluding electricians 72 = Metal, machinery and related trades workers 73 = Handicraft and printing workers 74 = Electrical and electronic trades workers 75 = Food processing, wood working, garment and other craft and related trades workers 81 = Stationary plant and machine operators 82 = Assemblers 83 = Drivers and mobile plant operators 91 = Cleaners and helpers 92 = Agricultural, forestry and fishery labourers 93 = Labourers in mining, construction, manufacturing and transport 94 = Food preparation assistants 95 = Street and related sales and service workers 96 = Refuse workers and other elementary workers 99 = Underground economy and related activities
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**Note to users**

This variable provides information on the subgroups of the usual occupation of the deceased. Usual occupation refers to the type of work done by the deceased most of his or her working life.

**Final code list**

08 = Occupations unspecified not elsewhere classified  
09 = Not economically active persons  
11 = Chief executives, senior officials and legislators  
12 = Administrative and commercial managers  
13 = Production and specialised services managers  
14 = Hospitality, retail and other services managers  
21 = Science and engineering professionals  
22 = Health professionals  
23 = Teaching professionals  
24 = Business and administration professionals  
25 = Information and Communication Technology professionals  
26 = Legal, social and cultural professionals  
31 = Science and engineering associate professionals  
32 = Health associate professionals  
33 = Business and administration associate professionals  
34 = Legal, social, cultural and related associate professionals  
35 = Information and communications technicians  
41 = General and keyboard clerks  
42 = Customer services clerks  
43 = Numerical and material recording clerks  
44 = Other clerical support workers  
51 = Personal services workers  
52 = Sales workers  
53 = Personal care workers  
54 = Protective service workers and armed forces occupations  
61 = Market-orientated skilled agricultural workers  
62 = Market-orientated skilled forestry, fishery and hunting workers  
63 = Subsistence farmers, fishers, hunters and gatherers  
71 = Building and related trades workers, excluding electricians  
72 = Metal, machinery and related trades workers  
73 = Handicraft and printing workers  
74 = Electrical and electronic trades workers  
75 = Food processing, wood working, garment and other craft and related trades workers  
81 = Stationary plant and machine operators  
82 = Assemblers  
83 = Drivers and mobile plant operators  
91 = Cleaners and helpers  
92 = Agricultural, forestry and fishery labourers  
93 = Labourers in mining, construction, manufacturing and transport  
94 = Food preparation assistants  
95 = Street and related sales and service workers  
96 = Refuse workers and other elementary workers  
98 = Not applicable  
99 = Underground economy and related activities

**Groups of occupation of deceased (OccupationGrp)**

Numeric: (@48 2)

<b>19.</b>	<b>OccupationGrp</b> 0 = Armed forces, occupations unspecified and not elsewhere classified, and not economically active persons 1 = Legislators, senior officials and managers 2 = Professionals 3 = Technicians and associate professionals 4 = Clerks 5 = Service workers, shop and market sales workers 6 = Skilled agricultural and fishery workers 7 = Craft and related trade workers 8 = Plant and machine operators and assemblers 9 = Elementary occupations
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**Note to users**

This variable provides information on the usual occupation of the deceased. Usual occupation refers to the type of work done by the deceased most of his or her working life.

**Final code list**

0 = Armed forces, occupations unspecified and not elsewhere classified, and not economically active persons

1 = Legislators, senior officials and managers

2 = Professionals

3 = Technicians and associate professionals

4 = Clerks

5 = Service workers, shop and market sales workers

6 = Skilled agricultural and fishery workers

7 = Craft and related trade workers

8 = Plant and machine operators and assemblers

9 = Elementary occupations

99 = Not applicable

**Industry of deceased (Industry)**

Numeric: (@50 3)

<b>20.</b>	<b>Industry</b> (see attached Industry code list)
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**Note to users**

This variable provides information on the type of business or industry where the deceased worked most of his or her working life.

**Smoking status of deceased (Smoker)**

Numeric: (@53 1)

<b>21.</b>	<b>Smoker</b> 1 = Yes 2 = No 3 = Do not know 4 = Not applicable
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**Note to users**

This variable provides information on the smoking status of the deceased five years before death. A smoker is defined as someone who smoked any form of tobacco on most days (an average of more than six months a year, or four or more days a week), five years ago. If smoking started less than five years before death, the answer is No. If smoking started more than five years before death, but for less than six months, then the answer is No.

**Final code list**

- 1 = Yes
- 2 = No
- 3 = Do not know
- 4 = Not applicable
- 8 = Unknown
- 9 = Unspecified

***Pregnancy status of deceased 42 days prior to death (Pregnancy)***

Numeric: (@54 1)

<b>22.</b>	<b>Pregnancy</b> 1 = Yes 2 = No
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**Note to users**

This variable provides information on whether or not females of reproductive age (12–50) were pregnant 42 days prior to death.

**Final code list**

- 1 = Yes
- 2 = No
- 3 = Not applicable
- 8 = Unknown
- 9 = Unspecified

***Citizenship of deceased (Citizenship)***

Numeric: (@55 2)

<b>23.</b>	<b>Citizenship</b> 1 = South Africa 2 = Zimbabwe 3 = Swaziland 4 = Botswana 5 = Lesotho 6 = Mozambique 7 = Namibia 8 = Mauritius 9 = Angola 10 = Zambia 11 = Malawi 12 = Tanzania 13 = Madagascar 14 = DRC 15 = Other
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**Note to users**

This variable provides information on the place of citizenship of the deceased.

**Final code list**

- 1 = South Africa
- 2 = Zimbabwe
- 3 = Swaziland
- 4 = Botswana
- 5 = Lesotho
- 6 = Mozambique
- 7 = Namibia
- 8 = Mauritius
- 9 = Angola
- 10 = Zambia
- 11 = Malawi
- 12 = Tanzania
- 13 = Madagascar
- 14 = DRC
- 15 = Other
- 97 = Unknown
- 99 = Unspecified

## B. PLACE NAMES

### *Province of birth of the deceased (BirthProv)*

Numeric: (@57 2)

<b>24.</b>	<b>BirthProv</b>
	1 = Western Cape
	2 = Eastern Cape
	3 = Northern Cape
	4 = Free State
	5 = KwaZulu-Natal
	6 = North West
	7 = Gauteng
	8 = Mpumalanga
	9 = Limpopo
	98 = Outside South Africa

#### **Note to users**

This variable provides information on the province of birth of the deceased based on the 2011 municipal boundaries. It was derived from the place code of birth.

#### **Final code list**

1 = Western Cape  
 2 = Eastern Cape  
 3 = Northern Cape  
 4 = Free State  
 5 = KwaZulu-Natal  
 6 = North West  
 7 = Gauteng  
 8 = Mpumalanga  
 9 = Limpopo  
 97 = Unknown  
 98 = Outside South Africa  
 99 = Unspecified

### *Province of death occurrence (DeathProv)*

Numeric: (@59 2)

<b>25.</b>	<b>DeathProv</b>
	01 = Western Cape
	02 = Eastern Cape
	03 = Northern Cape
	04 = Free State
	05 = KwaZulu-Natal
	06 = North West
	07 = Gauteng
	08 = Mpumalanga
	09 = Limpopo
	98 = Outside South Africa

#### **Note to users**

This variable provides information on the province of death of the deceased based on the 2011 municipal boundaries. It was derived from the place code of death.

**Final code list**

01 = Western Cape  
 02 = Eastern Cape  
 03 = Northern Cape  
 04 = Free State  
 05 = KwaZulu-Natal  
 06 = North West  
 07 = Gauteng  
 08 = Mpumalanga  
 09 = Limpopo  
 98 = Outside South Africa  
 99 = Unspecified

**Province of usual residence of the deceased (ResProv)**

Numeric: (@61 2)

26.	<b>ResProv</b> 01 = Western Cape 02 = Eastern Cape 03 = Northern Cape 04 = Free State 05 = KwaZulu-Natal 06 = North West 07 = Gauteng 08 = Mpumalanga 09 = Limpopo 98 = Outside South Africa
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**Note to users**

This variable provides information on the province of usual residence of the deceased based on the 2011 municipal boundaries. It was derived from the place code of usual residence.

**Final code list**

01 = Western Cape  
 02 = Eastern Cape  
 03 = Northern Cape  
 04 = Free State  
 05 = KwaZulu-Natal  
 06 = North West  
 07 = Gauteng  
 08 = Mpumalanga  
 09 = Limpopo  
 98 = Outside South Africa  
 99 = Unspecified



**Country of usual residence of deceased (ResCountry)**

Numeric: (@63 2)

<b>27.</b>	<b>ResCountry</b>
	1 = South Africa
	2 = Zimbabwe
	3 = Swaziland
	4 = Botswana
	5 = Lesotho
	6 = Mozambique
	7 = Namibia
	8 = Mauritius
	9 = Angola
	10 = Zambia
	11 = Malawi
	12 = Tanzania
	13 = Madagascar
	14 = DRC
	15 = Other

**Note to users**

This variable provides information on the country of usual residence of the deceased.

**Final code list**

1 = South Africa  
 2 = Zimbabwe  
 3 = Swaziland  
 4 = Botswana  
 5 = Lesotho  
 6 = Mozambique  
 7 = Namibia  
 8 = Mauritius  
 9 = Angola  
 10 = Zambia  
 11 = Malawi  
 12 = Tanzania  
 13 = Madagascar  
 14 = DRC  
 15 = Other  
 97 = Unknown  
 99 = Unspecified

## C. CAUSES OF DEATH

### *Ascertainment of the cause of death (Ascertainment)*

Numeric: (@65 2)

<b>28.</b>	<b>Ascertainment</b> 1 = Autopsy 2 = Post mortem examination 3 = Opinion of attending medical practitioner 4 = Opinion of attending medical practitioner on duty 5 = Opinion of registered professional nurse 6 = Interview of family member 7 = Other 8 = Autopsy results may be available later 9 = Autopsy not performed
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#### **Note to users**

This variable provides information on the method used to ascertain the cause of death.

#### **Final code list**

1 = Autopsy  
2 = Post mortem examination  
3 = Opinion of attending medical practitioner  
4 = Opinion of attending medical practitioner on duty  
5 = Opinion of registered professional nurse  
6 = Interview of family member  
7 = Other  
8 = Autopsy results may be available later  
9 = Autopsy not performed  
98= Unknown  
99= Unspecified

### *Place of death (DeathInst)*

Numeric: (@67 1)

<b>29.</b>	<b>DeathInst</b> 1 = Hospital 2 = Emergency room/Outpatient 3 = Dead on arrival 4 = Nursing home 5 = Home 6 = Other
------------	---

#### **Note to users**

This variable provides information on the place or institution at which the person died.

#### **Final code list**

1 = Hospital  
2 = Emergency room/Outpatient  
3 = Dead on arrival  
4 = Nursing home  
5 = Home  
6 = Other  
8 = Unknown  
9 = Unspecified

**Immediate cause of death (CauseA)**

Character: (@68 4)

30.	<b>CauseA</b> (see attached ICD-10 code list)
-----	--

**Note to users**

This variable provides information on the immediate cause of death.

**Injury codes for the immediate cause of death (InjuryA)**

Character: (@72 4)

31.	<b>InjuryA</b> (see attached Injury code list)
-----	---

**Note to users**

This variable provides information on the injury codes for non-natural causes of death.

111 = Natural cause (no injury code)

**Second condition leading to death (CauseB)**

Character: (@76 4)

32.	<b>CauseB</b> (see attached ICD-10 code list)
-----	--

**Note to users**

This variable provides information on the second condition leading to death.

888 = Second condition leading to death not mentioned.

**Injury codes for the second condition leading to death (InjuryB)**

Character: (@80 4)

33.	<b>InjuryB</b> (see attached Injury code list)
-----	---

**Note to users**

This variable provides information on the injury codes for non-natural causes of death.

111 = Natural cause (no injury code)

888 = Second condition leading to death not mentioned.

**Third condition leading to death (CauseC)**

Character: (@84 4)

34.	<b>CauseC</b> (see attached ICD-10 code list)
-----	--

**Note to users**

This variable provides information on the third condition leading to death.

888 = Third condition leading to death not mentioned.

**Injury codes for the third condition leading to death (InjuryC)**

Character: (@88 4)

35.	<b>InjuryC</b> (see attached Injury code list)
-----	---

**Note to users**

This variable provides information on the injury codes for non-natural causes of death.

111 = Natural cause (no injury code)

888 = Third condition leading to death not mentioned.

**Fourth condition leading to death (CauseD)**

Character: (@92 4)

36.	<b>CauseD</b> (see attached ICD-10 code list)
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**Note to users**

This variable provides information on the fourth condition leading to death.

888 = Fourth condition leading to death not mentioned.

**Injury codes for the fourth condition leading to death (InjuryD)**

Character: (@96 4)

37.	<b>InjuryD</b> (see attached Injury code list)
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**Note to users**

This variable provides information on the injury codes for non-natural causes of death.

111 = Natural cause (no injury code)

888 = Fourth condition leading to death not mentioned.

**Other conditions leading to death (OtherCause)**

Character: (@100 4)

38.	<b>OtherCause</b> (see attached ICD-10 code list)
-----	--

**Note to users**

This variable provides information on other conditions leading to death.

888 = Other conditions leading to death not mentioned.

**Injury codes for other conditions leading to death (OtherInjury)**

Character: (@104 4)

39.	<b>OtherInjury</b> (see attached Injury code list)
-----	---

**Note to users**

This variable provides information on the injury codes for non-natural causes of death.

111 = Natural cause (no injury code)

888 = Other conditions leading to death not mentioned.

**First cause provided on part 2 of the death notification form (Part2\_CauseA)** Character: (@108 4)

40.	<b>Part2_CauseA</b> (see attached ICD-10 code list)
-----	--

**Note to users**

This variable provides information on conditions leading to death provided on the first line of part 2 of the death notification form.

888 = First cause of death on part 2 not mentioned.

***Injury codes for first cause on part 2 (Part2\_InjuryA)***

*Character: (@112 4)*

<b>41.</b>	<b>Part2_InjuryA</b> (see attached Injury code list)
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**Note to users**

This variable provides information on the injury codes for non-natural causes of death provided on the first line on part 2 of the death notification form.

111 = Natural cause (no injury code)

888 = First cause of death on part 2 not mentioned.

***Second cause provided on part 2 of the death notification form (Part2\_CauseB)***

*Character: (@116 4)*

<b>42.</b>	<b>Part2_CauseB</b> (see attached ICD-10 code list)
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**Note to users**

This variable provides information on conditions leading to death provided on the second line of part 2 of the death notification form.

888 = Second cause of death on part 2 not mentioned.

***Injury codes for second cause on part 2 (Part2\_InjuryB)***

*Character: (@120 4)*

<b>43.</b>	<b>Part2_InjuryB</b> (see attached Injury code list)
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**Note to users**

This variable provides information on the injury codes for non-natural causes of death provided on the second line on part 2 of the death notification form.

111 = Natural cause (no injury code)

888 = Second cause of death on part 2 not mentioned.

***Underlying cause of death (Underlyingcause)***

*Character: (@124 3)*

<b>44.</b>	<b>Underlyingcause</b> (see attached ICD-10 code list)
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**Note to users**

This variable provides information on the underlying cause of death. An underlying cause of death is defined as the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury.

888 = Stillbirth

**Broad groups of the underlying causes of death**  
**(Underlying\_Broad\_Grp)**

Character: (@127 7)

45.	<b>Underlying_Broad_Grp</b> (See attached list of ICD10 categories list)
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**Note to users**

This variable groups the underlying causes of death into broad groups of death. It is derived from the underlying cause of death.

8888888 = Stillbirth

**Main groups of the underlying causes of death**  
**(Underlying\_Main\_Grp)**

Character: (@134 7)

46.	<b>Underlying_Main_Grp</b>
	A00-B99 = Certain infectious and parasitic diseases (A00-B99)
	C00-D48 = Neoplasms (C00-D48)
	D50-D89 = Diseases of the blood and immune mechanism (D50-D89)
	E00-E90 = Endocrine, nutritional and metabolic diseases (E00-E90)
	F00-F99 = Mental and behavioural disorders (F00-F99)
	G00-G99 = Diseases of the nervous system (G00-G99)
	H00-H59 = Diseases of the eye and adnexa (H00-H59)
	H60-H95 = Diseases of the ear and mastoid process (H60-H95)
	I00-I99 = Diseases of the circulatory system (I00-I99)
	J00-J99 = Diseases of the respiratory system (J00-J99)
	K00-K93 = Diseases of the digestive system (K00-K93)
	L00-L99 = Diseases of the skin and subcutaneous tissue (L00-L99)
	M00-M99 = Diseases of the musculoskeletal system etc. (M00-M99)
	N00-N99 = Diseases of the genitourinary system (N00-N99)
	O00-O99 = Pregnancy, childbirth and puerperium (O00-O99)
	P00-P96 = Perinatal conditions (P00-P96)
	Q00-Q99 = Congenital malformations (Q00-Q99)
	R00-R99 = Symptoms and signs not elsewhere classified (R00-R99)
	V01-Y98 = External causes of morbidity and mortality (V01-Y98)
	8888888 = Stillbirth

**Note to users**

This variable groups the underlying causes of death into main groups. It is derived from the underlying cause of death.

**Natural/non-natural underlying causes of death (NaturalUnnatural)**

Numeric: (@141 1)

47.	<b>NaturalUnnatural</b> 1 = Natural underlying cause 2 = Non-natural underlying cause
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**Note to users**

This variable groups the underlying causes of death into natural and non-natural causes. It is derived from the underlying cause of death.

**Final code list**

1 = Natural underlying cause

2 = Non-natural underlying cause

8 = Stillbirth