

Instruction Manual  
Part 2g

Data Entry Instructions for the Mortality  
Medical Indexing, Classification, and  
Retrieval System (MICAR), 1996-1997

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Instruction Manual  
Part 2g  
Data Entry Instructions for the Mortality  
Medical Indexing, Classification, and  
Retrieval System (MICAR), 1996-1997

Vital Statistics  
Data Preparation

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
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Data Entry Instructions  
for the  
Mortality Medical Indexing, Classification, And Retrieval System  
(MICAR), 1996-1997

**CHAPTER I - INTRODUCTION**

A. Background

The National Center for Health Statistics (NCHS) is responsible for the compilation and annual publication of national statistics on causes of death based on information reported on death certificates filed for each death occurring in the United States. Since 1968, NCHS has used the International Classification of Disease (ICD) to manually code all causes of death reported on each death certificate. These multiple cause codes then serve as input data for the Automated Classification of Medical Entities (ACME) computer system which assigns an underlying cause<sup>1/</sup> of death code for each death in accordance with internationally agreed upon rules. Both underlying and multiple cause statistics are published by NCHS in concert with demographic and geographic data that are also coded from the death certificates under separate procedures.

The rules for manually coding multiple causes of death are in Parts 2b and 2e of the Vital Statistics Instruction Manual Series which, including supplements, contains over 450 pages of instructional material. The rules are complicated and require a lengthy training period coupled with long-term on-the-job experience to acquire proficiency. In July 1983, NCHS staff began development of a computer system to replace the manual system. Development and testing of this system will continue until the system is fully operational. Called MICAR for Mortality Medical Indexing, Classification, And Retrieval, the system has many advantages over the present application of coding rules. The major advantages are:

1. The time required to process a death certificate is decreased.
2. The formal training is shorter, less difficult, and takes

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<sup>1</sup> The disease or injury which initiated the train of morbid events leading to death or the circumstances of the accident of violence which produced the fatal injury.

less time for a trainee to reach expected levels of productivity and accuracy.

3. Rules for coding are applied more consistently and the correct ICD code is assigned more often.
4. The exact disease terms reported on the death certificate are available for computerized retrieval instead of being lost as inclusion terms in the ICD classification structure.

Data entry under MICAR requires that the machine operator key enter the standardized nomenclature for each disease, injury, and external cause reported on a death certificate with special symbols denoting their location on a death certificate. Specified non-medical items (e.g., age, sex) that may impact on the classification of the reported conditions are also captured in coded form. Training is required in use of the data entry equipment, medical terminology, and the nomenclature acceptable to MICAR. The latter involves changing the many variations in reporting of a medical term into a standardized form of the term.

The ICD is not needed by the operator. MICAR internally performs all conversions to ICD multiple cause codes based on the data input and its "knowledge" of the coding rules contained in Parts 2b and 2e of the Vital Statistics Instruction Manual Series. In addition, MICAR permanently retains entity reference numbers for each term reported on a death certificate for use in retrieval of data for specific disease research.

This manual documents the instructions for machine entry of selected data from the demographic portion of a death certificate and for interpreting, standardizing, and entering the information reported in the Medical Certification Section into machine acceptable language. It is to be used in conjunction with the special rules booklet<sup>2/</sup> for a given State. Use of this manual requires that operators be knowledgeable in anatomy and medical terminology.

NCHS offers a course in MICAR data entry. The course consists of approximately one week of pre-classroom instructions covering basic anatomy and medical terminology, followed by one week of classroom instructions and practice in data entry, followed by approximately three weeks of post classroom practice.

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<sup>2</sup> A document that describes certificate format peculiarities that are unique to each State along with any special rules for handling these peculiarities in the coding process.

For those already trained in medical terminology and anatomy, the pre-classroom training is optional.

## B. Revisions from Previous Manual

### 1. Changes in Items/Code Structure

All changes or modifications in MICAR data entry items have been made to accommodate the conversion to ICD-10. The original goal for MICAR was to create a system of data entry that would be independent of revisions in the ICD. The method of entering cause of death information has not been changed. However, before the system could be converted to ICD-10 codes, the external cause "prompts" had to be modified to collect the information required for both ICD-9 and ICD-10.

#### a. Universal External Cause Prompts

The level of detail required by ICD-9 and ICD-10 is very different. For example, in ICD-10 the type of vehicle affects the code: Car, pick-up truck or van, heavy transports, bus - all have different code assignments. Since the method of entry did not change, this manual does not include a list of every change in the prompts. Once the 1996 data entry system is implemented, the original prompts should be totally forgotten. APPENDIX M (pg. 191) contains the universal external prompts.

Because of the detail required by ICD-10, the short index prompts for transportation accidents had to be completely revised. The new short index is printed in APPENDIX L (pg. 189).

#### b. Place of Injury

A major revision of the place of injury codes has been made enabling the system to capture the detail for both ICD-9 and ICD-10. The coding instructions and code structure begin on page 55. Additional information is in APPENDIX I (pg. 111).

#### c. Type of Activity

The ICD-10 provides a subclassification for use with external causes and injuries to indicate the activity of the injured person at the time the event occurred. The information only needs to be entered on records with an external cause or an injury, and only if something is reported on the certificate. This field will be left blank on the majority of certificates.

The coding instructions and code structure begin on page 56. Additional information is in APPENDIX J (pg. 116).

d. Component of Reporting Area

The Component of Reporting Area field that was included in the batch information has been removed. This data is no longer necessary. This position in the MICAR input record is now used to collect the Type of Activity.

e. Coder Status

The valid codes for this field have been expanded to allow entry of a single digit number 0-9.

2. Changes in MICAR Dictionary

In 1992, all entries in the MICAR dictionary were printed in Vital Statistics Instruction Manual, Part 2h. Through the years, changes and modifications in data entry instructions have affected the dictionary entries, including the entity reference numbers assigned to each entry. The decision was made to discontinue generating the Part 2h manual. All references to the printed version of the MICAR dictionary have been removed from this manual.

Since the dictionary is no longer available, two new appendices have been added to this manual:

- 1) APPENDIX H (pg. 108) contains terms that imply both injury and external cause. The use of this appendix is referenced on pg. 52.
- 2) APPENDIX K (pg. 117) contains a list of all valid words which are included in the dictionary. The use of this appendix is referenced on pg. 13.

## **CHAPTER II - THE DEATH CERTIFICATE FORMAT**

In the United States, the certificate of death is a legal document used to establish the fact of death for insurance purposes and for other legal matters. Much of the information reported on the certificate is also used for statistical purposes and is recorded, compiled for analysis, and published by the

NCHS. See Illustration 1, page 71.

The items to be entered from the death certificate as input to the MICAR system can be classified into two basic groups: (1) those that are primarily non-medical in nature and (2) those that are primarily medical in nature. The former includes sex of the decedent (item 2), age of the decedent (item 5), and date of death (item 3) as well as control information (e.g., year, State, and State file number) needed to either identify a particular certificate or a given batch of certificates. Chapter III of this document provides instructions for entering data for non-medical items. The medical information is located in items 27-30. The U.S. Standard Certificate of Death provides space for the certifier to record information concerning the diseases and/or injuries which either resulted in or contributed to death as well as the circumstances of the injuries. Each of these is defined as a cause of death; that is, a morbid condition or disease process, abnormality, injury, or poisoning leading directly or indirectly to death.

The medical certification portion of the death certificate (item 27) is designed to obtain the opinion of the certifier on the relationship and relative significance of the causes which are reported. The certifier is requested to report in Part I on line (a) the immediate cause of death and the antecedent conditions on lines (b), (c), and (d) which gave rise to the cause reported on line (a). The underlying cause, the disease or injury which initiated the train of events leading to death or the circumstances which produced the fatal injury, is stated lowest in the sequence of events. Any other significant condition which unfavorably influenced the course of the morbid process and thus contributed to the fatal outcome, but was not related to the immediate cause of death, is entered in Part II. In the following example, there are three causes reported. On line (c) the underlying cause is entered--congenital heart disease. Congenital heart disease gave rise to congestive heart failure (line b) which in turn led to a myocardial infarction (line a)--the immediate cause of death.

- I(a) Myocardial infarction
  - (b) Congestive heart failure
  - (c) Congenital heart disease
  - (d)
- II

As demonstrated by the following example, the certifier may not always list one cause per line.

- I(a) Myocardial infarction and pulmonary embolism with

congestive heart failure

- (b)
  - (c)
  - (d)
- II

Likewise, the causes may not be reported in an acceptable sequence. In the following example, cancer is reported as due to diabetes.

- I(a) Cancer
  - (b) Diabetes
  - (c)
  - (d)
- II

To date, the causes of the majority of cancers are still unknown so the causal relationship tables stored in the NCHS computer preclude the assumption that diabetes caused the cancer. Cancer is selected as the underlying cause of death from this certification for statistical purposes. However, the selection of the underlying cause of death is not relevant for this manual. For data entry purposes the order and position of each cause of death reported on the death certificate must be interpreted accurately so the computer software can then determine the correct underlying cause of death.

There is an average of three causes listed per certificate. Approximately 20 percent have only one cause of death and 45 percent have three or more causes. Frequently, a cause will be reported on line (a) in Part I and a cause in Part II with no other reported causes. For other records, several causes may all be reported on a single line of the certificate or they may be entered on several lines in Part I. Rarely, the only cause(s) reported may be in Part II. Representative examples follow.

- I(a) Pneumonia
  - (b)
  - (c)
  - (d)
- II Diabetes

- I(a) Cancer
  - (b)
  - (c)
  - (d)
- II

- I(a)
- (b)
- (c)

- I(a)
- (b) Acute myocardial infarction
- (c)

(d)  
II Diabetes

(d)  
II Renal disease

I(a) AMI, renal disease, pulmonary embolism

(b)

(c)

(d)

### CHAPTER III - DATA ENTRY INSTRUCTIONS FOR NON-MEDICAL ITEMS

#### A. General

The following Sections contain the rules for data entry of each non-medical item used by the MICAR system. In this Chapter and the following Chapter, the items are presented in order of use and appearance on the U.S. Standard Certificate of Death. Again, some States use formats that differ from the U.S. Standard. Refer to a State's "Special Rules" booklet prior to beginning key entry of the data.

The instructions in this Chapter and in Chapter IV are written largely independent of any manufacturer's particular model of data entry equipment since there is so much variation in capabilities and operational features. Data entry may take any form (optical character recognition, key to disk, key to tape, microcomputer, etc.) and use any initial format provided the final product serving as input to MICAR meets the specifications contained herein. With very advanced data entry equipment, much editing is possible as well as a considerable degree of prompting and reformatting by computer software to place items in the required location.

#### B. Entering Batch Control Information

Five items are defined as batch control information. These items are:

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Data Year	Lot Control Record	0-9 (last digit of year of death)
Shipment Number	Lot Control Record	00-99
State Code	Lot Control Record and APPENDIX A, pg. 73	01-55 see APPENDIX A
Lot Number	Lot Control Record	001-999
Coder Status	Lot Control Record	0-9

The code for each of these items is determined before data entry for a batch of records begins and will not change until one of the items changes. Usually the information can be duplicated through all records so that it does not have to be key entered

for each death certificate.

Example: Codes for batch of certificates being processed for data year 1989, from the State of Alabama, with lot number 742, shipment 05, and coder status is the production coder:

<u>Year</u>	<u>State</u>	<u>Lot Number</u>	<u>Shipment Number</u>	<u>Coder Status</u>
9	01	742	05	1

#### C. Entering Record Identifiers

The following item uniquely identifies each record within a batch:

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
State File Number	Upper right hand corner of certificate	000001-999999

This item combined with data year and State of Death uniquely identifies each certificate from all other certificates ever filed in the United States.

#### Special Instructions

1. If State file number block is blank, assign the same state file number as preceding record substituting 99 for first two digits of the state file number.
2. If State file number is same as preceding number, key 99 for first two digits of record.

#### D. Entering Non-Medical Items

There are three non-medical items. Two items, age and sex, represent demographic characteristics of the decedent. These variables are used by MICAR in assigning the appropriate ICD code to causes of death that are restricted to a specific age or sex. Date of death is used to establish the duration of reported disease.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Sex	Item 2	Male.....1 Female.....2 Undetermined or not

stated.....9

Special Instructions:

If sex is not stated, determine sex by name. If name does not establish sex, key 9.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Date of Death Month	Item 3	January.....01 February.....02 March.....03 April.....04 May.....05 June.....06 July.....07 August.....08 September.....09 October.....10 November.....11 December.....12 Unknown or not stated...99
Day		01-31 Unknown or not stated...99

Special Instructions:

1. Enter as reported in Item 3.
2. If estimated date of death and a found date are given, both occurring in the same year, enter estimated date of death.
3. If data year is different for estimated date of death and found date, enter the date within the data year being processed.
4. If a span is reported for month or day of death, enter the earlier date. For February 3-5, enter 02 for month and 03 for day.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Age at Death Units (enter highest order)	Item 5	Years - less than 100...0 Years - 100 or more....1 Months.....2 Weeks.....3 Days.....4 Hours.....5 Minutes.....6 Unknown.....9

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Age at Death Number of Units	Item 5	Enter as stated Unknown or not stated..99

Special Instructions:

1. When the age is stated as 100 years or more, unit code 1 represents the first digit of the number of units.

Example: Age 105, code 1 for units and 05 for number of units.

2. When age is stated as 12 years or less, compare date of birth and date of death to insure assignment of the correct unit code since months are sometimes erroneously reported as years.
3. If entries of "few minutes" or "few hours" are reported, code the appropriate unit and enter "99" for number of units.
4. If age is not reported, derive the age by reference to date of birth and date of death. If date of birth is not reported but unit is indicated as other than years, code the appropriate unit and enter "99" for number of units. If unit is indicated as years, code unit "9" and number of units as "99".
5. If age cannot be determined but entries of "newborn," "infant," etc. appear on the certificate indicating the decedent was under 1 year old, code the unit "5" and number of units "99."
6. If age is not stated and date of birth and date of death are the same, consider decedent under 1 day old and code unit "5" and number of units "99."
7. Disregard fractions reported in number of units.
8. If number of units is reported with "approximately," "about," etc., enter as stated.

Examples:

<u>Certificate Reports</u>	<u>Enter</u>	
Item 2 Male	1	Sex
Item 3 January 19, 1989	0119	Month/day of death
Item 5a 37 years	037	Units/number of units age
Item 2 Female	2	Sex
Item 3 March 4, 1989	0304	Month/day of death

Item 5b 7 days

407

Units/number of units  
age

## CHAPTER IV - DATA ENTRY INSTRUCTIONS FOR MEDICAL ITEMS

### A. General

For purposes of MICAR processing, items 27-30 contain all the medical information that needs to be processed from the death certificate. First organize the information in these items into medical entities, translate these entities into standard MICAR nomenclature, and then key enter each entity.

#### 1. Medical Entities

A medical entity is a word or set of words that describe a cause of death. It may be a disease, a disease process, abnormality, disorder, symptom, complication, injury, poisoning, or mode of dying (i.e., respiratory arrest). Examples of medical entities include:

Aspiration	Fracture
Burns	Gunshot wound
Cancer	Heart disease
Coma	Laceration
Concussion	Pneumonia
Contusion	Poisoning
Digestive disorder	Renal failure
Drowning	Septicemia
Electrical shock	Shock
Emphysema	Viral infection

For purposes of MICAR data entry, it is important to consider entities as being divided into three groups: natural diseases, injuries or adverse reactions caused by some external force (violent deaths), and descriptions of external forces causing the injury. These are; hereafter, referred to as diseases, injuries, and external causes. Examples of each follow:

#### Diseases

Arteriosclerotic heart disease	Diabetes
Cancer of colon	Emphysema
Carcinoma of breast	Myocardial infarction
Cerebrovascular accident	Pneumonia
	Prostatic cancer

Injuries

Aspiration	Drowning
Barbiturate poisoning	Gunshot wound
Bite	Hip fracture
Burns	

External causes

Motor vehicle accident  
Collided with pedestrian on rural route 42  
Car ran off bridge into river killing passenger  
Fell from chair  
House caught fire after stove exploded  
Shot by friend with .22 rifle  
Run over by farm tractor

Typically, both "diseases" and "injuries" are reported as either one word (emphysema, burns) or as multiple words (cardiac arrest, open wound) that are adjacent to one another. However, the external causes are often reported in a set of words or phrases not adjacent to one another. The information needed to form such an entity is frequently scattered over different parts of the Medical Certification Section (Part I, Part II, 30d, and 30e). It may also be mixed with other information irrelevant to data entry. The relevant information must be combined together to form a medical entity. Examples of diseases, injuries, and external causes typically reported on certificates are as follows with the components forming the external cause entity underlined.

I(a)	Hip fracture	(injury)
(b)	<u>Fall down stairs</u>	(external cause)
II	Cancer of lung	(disease)
I(a)	Contusion, fracture of arm	(injuries)
(b)	<u>MVA</u>	(external cause)
II		
30d	<u>Collided with another car--ran off road, hit tree--driver killed</u>	(external cause)
I(a)	Concussion	(injury)
(b)	<u>Fall</u>	(external cause)
II		

30d    Slipped in bathtub,                    (external cause)  
       Epilepsy                                    (disease)

2. Translation (How to arrange an entity)

After mentally defining an entity as either a disease, injury, or external cause, translate the entity into standard MICAR nomenclature. Depending on the way an entity is reported, this may require no action at all. For example, the one word entity, emphysema, is acceptable MICAR nomenclature. Likewise, the two-word entity, myocardial infarction, is acceptable. On the other hand, the words, prefixes, and/or suffixes may need to be rearranged or disregarded. For example, if the doctor reports "infarction, myocardial," this must be rearranged to read "myocardial infarction." "Fracture of arm" must be rearranged to read "arm fracture" dropping the "of." In general, the goal is to place any adjectival modifiers preceding the noun. With external causes, the rearrangement is more difficult than with diseases or injuries.

All terms acceptable to MICAR are stored in standardized nomenclature in electronic form. A printed version of this dictionary is not provided; however, a list of valid words included in the dictionary is printed in APPENDIX K (pg. 117). This list should be used to determine the correct spelling when a term is not clearly reported on a death certificate.

Each MICAR entity is assigned a numeric value or code referred to as an Entity Reference Number (ERN). In general, data entry operators will not be aware of these values. However, to simplify the entry of birth weights and gestation periods, entity reference numbers are used in lieu of full text entry (see page 21).

Standard abbreviations are also provided for selected MICAR entries (see APPENDIX B, pg. 74 for a complete list of terms with standard abbreviations). When the abbreviation incorporates the complete MICAR entity, the ERN which is provided to the left of the entity may be used for data entry (for example, ACUTE MYOCARDIAL INFARCTION may be entered as AMI or the numeric value 1). When no ERN is provided, the abbreviation must be used in conjunction with other terms (for example, APPARENT FRACTURE OF THE ARM may be entered as APPAR ARM FX). NOTE: A term cannot be entered by mixing alphabetic abbreviation with an entity reference number (for example, APPAR ARM 63 for APPARENT FRACTURE OF THE

ARM is NOT acceptable).

Because of the difficulty of interpreting external causes, APPENDIX M - EXTERNAL CAUSES (pg.191) is organized in the form of programmed instruction tutorials that lead to inclusion and properly arranging only the information relevant to MICAR. Reference numbers are provided for each component of the "external cause phrase" and when used together, uniquely identify the combination of components for the given external cause.

### 3. Data entry

After mentally arriving at a standard MICAR entity, enter the full text of the entity or a standard abbreviation if given in APPENDIX B (pg. 74). It is expected that abbreviations will be used for the most common terms. Detailed instructions for entering diseases, injuries and external causes are given in the following Sections.

#### Case 1

Reported as:	I(a) Infarction, myocardial
Medical entity:	I(a) Myocardial infarction
Standardized nomenclature:	I(a) Myocardial infarction
Entry using full text:	I(a) MYOCARDIAL INFARCTION
Entry using standard abbreviations:	I(a) MI

#### Case 2

Reported as:	I(a) Pneumonia & sepsis (b) Hemorrhagic acute pancreatitis (c) Rheumatic heart disease (d) Prostate cancer (e) Carcinoma of colon
Medical entity:	I(a) Pneumonia; sepsis (b) Acute hemorrhagic pancreatitis (c) Rheumatic heart disease (d) Prostate cancer (e) Colon carcinoma
Standardized nomenclature:	I(a) Pneumonia; sepsis (b) Acute hemorrhagic pancreatitis (c) Rheumatic heart disease (d) Prostate cancer (e) Colon carcinoma

Entry using full test: I(a) PNEUMONIA; SEPSIS  
(b) ACUTE HEMORRHAGIC PANCREATITIS  
(c) RHEUMATIC HEART DISEASE  
(d) PROSTATE CANCER  
(e) COLON CARCINOMA

Entry using standard abbreviation: I(a) PN;SEPSIS  
(b) A HEMORRHAGIC PANCREATITIS  
(c) RHD  
(d) PRCA  
(e) COLCAR

B. Instructions for Identifying, Standardizing, and Entering Diseases and Injuries (Excludes Neoplasms)

1. Identifying one entity from another

a. General rule for identifying entities

The first step in entering medical data is to organize the words in the Medical Certification Section into independent medical entities. Although some exceptions will be noted later, in general, diseases and injuries will not carry over to a different line of the certification. The problem then is to separate one entity from another on a given line.

To identify entities, it is helpful to first find a lead term, which will usually be a noun. This lead term is usually a single word and may be the name of a specified disease (e.g., cancer, pneumonia, or emphysema), the word "disease," or words such as disorder, failure, or insufficiency that describe a state.

Secondly, identify which modifiers go with the lead term. Modifiers commonly qualify the disease as a more specific type (e.g., bacterial pneumonia versus viral pneumonia), or in degree (chronic versus acute infarction).

Knowledge of medical terminology, punctuation, and connecting words will facilitate separation of the entities. For example, the word "of" in cancer of lung indicates that this is a medical entity. Use of semicolons would likewise indicate separate entities as in "lupus erythematosus; arthritis;

pneumonitis." Commas may also be indicative of the end of an entity. However, this can be misleading since commas are also used in certain adjectival forms within an entity, e.g., heart failure, cancer, lung. Here there are two entities: heart failure and lung cancer. The following connecting words may always be viewed as separating one entity from another and should not be considered part of any entity:

and	predisposing (to)
accompanied by	superimposed on
precipitated by	with (c)

Several examples of contiguous medical entities follow. The lead term is in bold print.

Hepatic <b>encephalopathy</b>	Gastrointestinal
Cardiorespiratory <b>arrest</b>	<b>hemorrhage</b>
Congestive heart <b>failure</b>	<b>Bilateral pneumonia</b>
Myocardial <b>infarction</b> , acute	<b>Necrosis</b> of small intestine
Short bowel <b>syndrome</b>	Infected decubitus <b>ulcer</b>
Decubitus <b>ulcer</b> of back	<b>Cancer</b> of the lung
Lethal chromosomal	Severe rheumatoid <b>arthritis</b>
<b>abnormality</b>	Sickle Cell <b>anemia</b>
<b>Disease</b> , brain	

b. Examples

The following hypothetical medical certifications illustrate disease entities. Each separate entity is underlined. The lead term is in bold print.

I(a) Myocardial **infarction**; **shock**

(b)

(c)

II

I(a) Cardiac **arrest**

(b)

(c) Arteriosclerotic cardiovascular heart **disease**

II **Diabetes mellitus**

I(a) **Arrest**, cardiac

(b) Myocardial **infarction**

(c) **ASHD** with congestive heart **failure**

II

I(a) Cerebral **hemorrhage**, massive

(b) Arteriosclerosis, **hypotension** and **senility**

(c) **Cancer** of colon with **metastases**

II

I(a) **Hypertension** and **respiratory failure**

(b) **Cancer** of stomach

(c)

II Severe rheumatoid **arthritis**

c. Exceptions

Although a lead term usually consists of one word, in some cases it is logical to include the modifier in the lead term. APPENDIX C, pg.85, is an all inclusive list

of terms that can be used as lead term or modifier and lead term.

Example:

I(a) **Gunshot wound** to the head

(b)

(c)

Gunshot wound or wound can be the lead term.

I(a) **Decubitus ulcer** of back

(b)

(c)

Decubitus ulcer or ulcer can be the lead term.

2. Translating entities into standard MICAR nomenclature

The words contained in a medical entity should be arranged according to the following instructions:

a. General rule for entering entities

Arrange in the following order of precedence:

Acute, chronic or subacute, except as listed in APPENDIX D (pg. 86).

Adjectival modifiers in order reported

Anatomical sites in order reported

Noun (lead term)-last word in entity

b. Special situations

(1) Acute and chronic

If an entity is qualified as both acute and chronic, always enter two complete terms.

Reported as: Acute and chronic renal failure

Enter as: Acute renal failure; chronic renal failure

Reported as: Acute exacerbation of chronic renal failure

Enter as: Acute exacerbation renal failure; chronic renal failure

Sometimes the terms acute or chronic are reported preceding two or more diseases. In these cases use the term with the condition it

immediately precedes.

Reported as: Chronic renal and liver failure  
Enter as: Chronic renal failure; liver failure

Reported as: Acute renal failure and pyelitis  
Enter as: Acute renal failure; pyelitis

(2) Abbreviations with Acute and Chronic

When other adjectival modifiers are reported with the terms listed in APPENDIX D (pg. 86) and a full abbreviation is used, the adjectival modifier may precede the abbreviation.

Reported as: Massive acute myocardial infarction  
Enter as: Massive AMI

(3) Disease or injury involving multiple anatomical sites

Occasionally, words will have to be related that are not contiguous to one another to form a medical entity. Knowledge of medical terminology is necessary when relating words and forming medical entities.

When a single disease or injury is reported as involving two or more anatomical sites, treat the disease or injury of each site as separate entities.

Reported as: Cancer of lung and mediastinum  
Enter as: Lung cancer; mediastinum cancer

Reported as: Ulcer of stomach and duodenum  
Enter as: Stomach ulcer; duodenum ulcer

Reported as: Fracture of arm and leg  
Enter as : Arm fracture; leg fracture

NOTE: When a single site is reported with multiple diseases or multiple types of injuries, key as reported.

Reported as: Cerebral concussion and

hemorrhage  
Enter as: Cerebral concussion; hemorrhage

(4) Adjectives reported with more than one disease or injury

When adjectives are reported with more than one disease or injury, modify the first disease or injury only.

Reported as: Multiple severe injuries of arm  
and leg

Enter as: Multiple severe arm injuries; leg  
injuries

Reported as: Septic infarct of lung and liver  
Enter as: Septic lung infarct; liver infarct

Reported as: Diabetic ulcer and gangrene  
Enter as: Diabetic ulcer; gangrene

EXCEPTIONS: "metastatic" modifying neoplasm  
of more than one site

Reported as: Metastatic cancer of lung and  
brain

Enter as: Metastatic lung cancer; metastatic  
brain cancer

(5) Organisms reported on the same line with more than one disease

When an organism is reported preceding two or more inflammatory or infectious conditions on a single line, treat each condition as modified by the organisms.

Reported as: I(a) Strep pneumonia and sepsis  
Enter as: I(a) Strep pneumonia; strep sepsis

Reported as: I(a) E. Coli meningitis and  
encephalitis

Enter as: I(a) E Coli meningitis; E Coli  
encephalitis

Reported as: I(a) Viral myocarditis with  
pneumonia

Enter as: I(a) Viral myocarditis; viral  
pneumonia

Reported as: I(a) Viral pneumonia and ASHD  
Enter as: I(a) Viral pneumonia; ASHD

Since ASHD is not inflammatory or infectious,  
do not repeat the organism.

(6) Doubtful diagnosis

Occasionally the certifier will not have sufficient information to make a conclusive diagnosis. When two or more medical terms are connected by "or," "either...or," "versus," make each part of the expression a complete medical term and connect with the word "or."

Reported as: I(a) Arteriosclerotic heart  
disease or Rheumatic heart  
disease; Cancer

Enter as: I(a) Arteriosclerotic heart disease  
or Rheumatic heart disease;  
Cancer

Reported as: I(a) Pulmonary hemorrhage or  
embolism

Enter as: I(a) Pulmonary hemorrhage or  
embolism

When two medical terms are reported on a single line and both conditions are preceded with a doubtful expression such as possibly, probably, question mark (?), treat as a doubtful diagnosis and enter as described above. When "?" precedes one condition, disregard the "?".

Reported as: I(a) Possibly pneumonia possibly  
congestive heart failure,  
ASHD

Interpret as: I(a) Pneumonia or congestive  
heart failure; ASHD

Reported as: I(a) ?Emphysema ?lung cancer

Enter as: I(a) Emphysema or lung cancer

(7) Parenthetical entries

When one medical entity is reported followed by another complete medical entity enclosed in parenthesis, disregard the parenthesis and enter as separate terms.

Reported as: Heart disease (Rheumatic heart  
disease) and Nephritis

Enter as: Heart disease; Rheumatic heart  
disease; Nephritis

When the adjectival form of words or qualifiers are reported in parenthesis, use these adjectives to modify the term preceding it.

Reported as: Heart disease (Rheumatic)  
Enter as: Rheumatic heart disease

Reported as: Pneumonia (Streptococcal)  
Enter as: Streptococcal pneumonia

Reported as: Cancer of the lung (primary)  
Enter as: Primary lung cancer

If the term in parenthesis is not a complete term and is not a modifier, consider as part of the preceding term.

Reported as: Metastatic carcinoma (ovarian)  
Enter as: Metastatic ovarian carcinoma

(8) Birthweights and gestation periods

In order to simplify the entry of birthweights and gestation periods, entity reference numbers have been assigned to specific ranges for each type of entry. These entity reference numbers are used in lieu of full text entry.

No entry is required if the reported birthweight is greater than 2500 grams or 5 pounds 8 ounces or the gestation is greater than 36 weeks.

Birthweight between	Entity Reference Number
0-999 grams or	196
0 ozs.-1 lb., 15 ozs.	196
1000-2500 grams or	197
2 lbs.-5 lbs., 8 ozs.	197

Gestation between	Entity Reference Number
8-27 weeks	198
28-36 weeks	199

Reported as: 2-1/2 lb. Baby  
Enter as: 197

Reported as: 4 lb Birthweight  
Enter as: 197

Reported as: Gestation 5-1/2 months  
Enter as: 198

(9) Abbreviations

Abbreviations are commonly used in reporting causes of death.

A common reporting occurrence is a term or entry partially abbreviated. When partially abbreviated words or terms are encountered and a clear determination can be made of the full text or standard abbreviation, enter either full text or standard abbreviations. If no determination can be made of the term it represents, enter as reported.

Examples:

Reported as: Met lung cancer  
Treat as: Metastatic lung cancer  
Enter as: Metastatic lung cancer or MLCA from  
the MICAR abbreviation list

Reported as: Ch abd hernia  
Treat as: Chronic abdominal hernia  
Enter as: Chronic abdominal hernia or  
C abdominal hernia using the  
abbreviation from the  
MICAR abbreviation list

Reported as: Art Ht Dis  
Treat as: Arteriosclerotic Heart Disease  
Enter as: Arteriosclerotic Heart Disease or  
ASHD from the MICAR abbreviation  
list

(10) Punctuation within an entity

When periods, hyphens and apostrophes are reported as part of an entity, delete these punctuation marks.

(11) Entries such as "same," "ditto (")," and "as above"

When the certifier enters "same," "ditto mark (")," "as above," etc., in a "due to" position to a specified condition, do not form an entity in the "due to" position.

(12) Illegible records

When the entire medical certification (item 27-30) is illegible, enter "illegible" in the first position on line I(a).

When an entire medical entity is illegible, enter "illegible" in the same position where the term is reported on the certificate.

When illegible words are reported as part of a medical entity, enter the legible words of the entity in the position reported on the record. Enter "illegible" in the same position where the illegible word(s) is reported on the certificate.

(13) Non-medical terms

Frequently, non-medical phrases, not pertinent to the cause of death, are reported with diseases, injuries, and external causes (e.g., results of autopsy, culture positive, autopsy pending). If these terms are the only entry on the record, enter as reported. If other information is provided, refer to APPENDIX E, pg. 87. Enter any term(s) or phrase(s) included in this list.

(14) Blank records

When there is no entry in the medical certification portion of the record, enter "blank" in the first position on line I(a).

(15) Pneumoconiosis

When pneumoconiosis is reported and the occupation is coal miner, coal worker or miner, enter coal workers pneumoconiosis (CWP).

(16) Etiology ?

If "etiology ?" or "cause ?" is reported, enter "etiology unknown" or "cause unknown."

(17) Pneumonia reported with aspiration

When pneumonia is reported on same line with aspiration or aspirated, with or without punctuation, enter as two separate terms.

Exception: Aspiration pneumonia or aspirated pneumonia without punctuation - enter as one term.

Reported as: Pneumonia, aspiration  
Enter as: Pneumonia; aspiration;

Reported as: Aspiration, pneumonia  
Enter as: Aspiration; pneumonia

Reported as: Pneumonia (aspiration)  
Enter as: Pneumonia; aspiration;

c. Examples of standard MICAR nomenclature:

Reported as: Hemorrhagic acute pancreatitis  
Enter as: Acute hemorrhagic pancreatitis

Reported as: Cushing's syndrome  
Enter as: Cushings syndrome

Reported as: Meningitis, pneumococcal  
Enter as: Pneumococcal meningitis

Reported as: Vesico-uterine fistula  
Enter as: Vesico uterine fistula

Reported as: Lung disease, severe obstructive  
Enter as: Severe obstructive lung disease

Reported as: Acute attack, heart  
Enter as: Acute heart attack

C. Entering Duration

The duration or interval between onset and death is reported at the extreme right portion of lines (a), (b), (c), and (d). This information must be entered for MICAR to assign the correct ICD code.

1. Units of duration

The first digit in this three-digit code represents the

unit being recorded, i.e., years, months, or days. Use the following coding instructions for entering the Unit Code (first digit)





4. Special instructions for entering duration

- a. When the Duration Block has no entry or an entry of "unknown" or "undetermined," no duration code is required.
- b. If entries of "(few) minutes," "(few) hours", "(few) months" or "(few) years" are given, code the appropriate unit and enter "99" for number of units.

When a unit is reported without number of units, enter the code for the unit and 99 for number of units. For "year" or "years," enter 99.

- c. When two or more conditions are entered on the same line with one duration, disregard the duration. (This instruction includes lines with written in "due to.")

Example: Duration  
I(a) Myocardial infarction due to ASHD 4 days  
Disregard duration since two conditions are reported on one line.

Example: Duration  
I(a) Myocardial ischemia and  
          congestive heart failure 1 month  
Disregard duration.

- d. When the duration is reported as "3-4 days" or "2-3 years," enter the larger number. For "3-4 days," enter 404. For "2-3 years," enter 003.
- e. Fractions given in number of units should be ignored. For "2 1/2 wks," enter 302. However, when duration is a fraction only, convert fraction to next lower unit. For "1/2 hour," enter 630.
- f. When the duration is reported using two or more different units, enter the highest order. For 2 months, 3 days, enter 202.
- g. When conflicting durations are entered for a condition, enter the duration given in the space of interval between onset and death.

Example: Duration  
I(a) Ischemic heart disease - 2 weeks Years

Enter 099 for duration "years" reported in duration block.

- h. If durations are reported with "over," "under," "approximately," "about," enter as stated, ignoring the extraneous words.
- i. Interpret dates entered in the spaces for interval between onset and death separated by a slash (/), dash (-), etc., as meaning from the first date to the second date. Interpret a single date as meaning from that date to the date of death. Calculate the duration by subtracting the first date from the last date being careful to insure assignment of the correct unit code.

Disregard such dates if they extend from one line to another and there is a condition reported on both of these lines since the span of dates could apply to either condition.

Example:	Duration
Date of death: 10-6-86	
I(a) M.I.	10-1-86-
(b) Ischemic heart disease	10-6-86

Disregard durations since they extend from one line to another and there is a condition reported on both of these lines.

Date of death: 10-6-86	Duration
I(a) Myocardial infarction	10-1-86/
(b)	10-6-86

Since there is only one condition reported, apply the duration to this condition and enter 405.

Date of death: 10-6-86	Duration
I(a) Myocardial ischemia	10-1-86 - 10-6-86
(b) Arteriosclerosis	

Apply the duration to I(a) and enter 405.

Date of death: 10-6-86	Duration
I(a) Myocardial infarction	10-6-86

When the date in the duration block and date of death are the same, enter 599 for unknown hours.

Date of death: 09-19-86	
I(a) Myocardial ischemia	8-28-86

Calculate duration to date of death including date of death and enter 422.

## D. Instructions for Formatting Diseases and Injuries

When working with MICAR data entry it becomes apparent that the order and position of the cause of death must be accurately interpreted. Not only is it necessary to properly determine each cause of death but also the line on which it is located and its position (order) on the line. While this may seem straightforward, it can become very difficult when certifiers do not conform to the format of the Medical Certification Section. There are a number of guidelines to be learned concerning interpretation of format. These are given in the following section.

### 1. Formatting Guidelines for Interpretation of Unusual Formats

All States do not use the format specified in the U.S. Standard Certificate of Death. Therefore, refer to the Special Rules Booklet for each State to determine if any special format considerations are applicable.

In addition, whether or not the standard certificate is used, doctors will sometimes "modify" the format of the Medical Certification Section to meet their own needs or because the format is too restrictive in certain situations. The following paragraphs list the most common deviations in format and give the proper interpretation of each.

#### a. Use of more lines than are provided on death certificates.

Four lines, (a), (b), (c), and (d), have been provided in Part I of the death certificate for reporting conditions involved in the sequence of events leading directly to death and to indicate the causal relationship of the reported conditions. In cases where the decedent had more than four causally related conditions leading to death, certifiers should report all of these conditions. They usually add lines (e), (f), etc., to indicate the relationship of the conditions. For MICAR, enter all of the reported conditions on the appropriate line(s) in Part I as determined by the guidelines that follow. There is no limit to the number of lines that may be entered for Part I. However, records with more than nine (9) lines in Part I will

be rejected for manual review.

In Part II, the certificate provides for only one line. Enter the entries in Part II in the order the entries are reported. Begin with the entry reported uppermost in Part II and work downward from left to right if there is more than one entry on the same line. For MICAR there is no limit to the number of lines that may be entered in Part II to indicate a "due to" relationship. However, records with more than three (3) lines in Part II will be rejected for manual review.

b. Connecting Terms

1. "Due to" written in or implied

When the certifier has stated one condition was due to another or has used another connecting term that implies a "due to" relationship between conditions in Part I, interpret as though the conditions had been reported, one due to the other, on separate lines. Treat the conditions on each of the remaining lines in Part I, if there are any, as though they had been reported on the succeeding lines. When these connecting terms extend into Part II, treat as a continuation of Part I.

When the certifier states that one condition was due to another or has used another connecting term that implies a "due to" relationship between conditions in Part II, or 30d, enter as though the conditions had been reported, one due to the other, on separate lines in Part II, or 30d.

The following connecting terms should be interpreted as meaning "due to" or "as a consequence of" when the entity immediately preceding and following these terms is a disease condition, nature of injury, or an external cause.

after	occurred after
arising in or during	occurred during
as (a) complication of	occurred in
as a result of	occurred when
because of	occurred while
caused by	origin
complication(s) of	received from
during	received in
etiology	resulting from
following	resulting when
for	secondary to (2°)
from	subsequent to
in	sustained as
incident to	sustained by
incurred after	sustained during
incurred during	sustained in
incurred in	sustained when
incurred when	sustained while
induced by	

Example:

Enter as:

I(a) Myocardial infarction	I(a) Myocardial
(b) Nephritis due to	infarction
arteriosclerosis	(b) Nephritis
(c) Hypertension from toxic	(c) Arteriosclerosis
goiter	(d) Hypertension
(d)	(e) Toxic goiter

Both "due to" and "from" indicate the conditions following these terms are to be interpreted as on the next lower line.

Example:

Enter as:

I(a) Respiratory failure	I(a) Respiratory failure
(b) Cardiac arrest	(b) Cardiac Arrest
(c) Coronary occlusion	(c) Coronary occlusion
(d) ASHD	(d) ASHD
	(e) Hypertension
II due to Hypertension	II



Since Part II is indicated to be a continuation of Part I, consider the hypertension as if reported on I(e).

Example:	Enter as:
I(a) Coronary thrombosis (b) ASHD	I(a) Coronary thrombosis (b) ASHD
II    Cardiomyopathy due to arteriosclerosis	II    Cardiomyopathy (Line 1) Arteriosclerosis (Line 2)

Since there is a written in "due to" in Part II, enter cardiomyopathy on the first line in Part II and arteriosclerosis on the second line of Part II.

Example:	Enter as:
(a) Cerebral hemorrhage (b)    of hypertension etiology	(a) Cerebral hemorrhage (b) Hypertension

"Etiology" is treated as "due to", therefore, move the term with "etiology" to the "due to" position on the next lower line.

Connecting terms used with neoplasms require special attention. When a neoplasm is reported of a specified site "from" another specified site, format the site following the "from" to the next lower line and form a complete entity by adding the specified type of neoplasm reported and the site.

Example:	Enter as:
I(a) Cancer of brain from lung	I(a) Brain cancer (b) Lung cancer

Certain connecting terms imply the condition following the connecting term was "due to" the condition preceding it. In such cases, consider the condition following the connecting term as on the line above the condition that preceded it.

The following connecting terms should be interpreted as meaning the condition following the term was "due to" the condition that preceded it:

as a cause of	led to
cause of	manifested by
caused	producing
causing	resulted in
followed by	resulting in
induced	underlying
leading to	with resulting

Example:

Enter as:

I(a) Respiratory arrest	I (a) Respiratory arrest
(b) Pulmonary edema	(b) Pulmonary edema
(c) Bronchitis with resulting pneumonia and cardiac arrest	(c) Pneumonia; cardiac arrest
	(d) Bronchitis

Interpret the pneumonia and cardiac arrest as if reported on I(c) and the bronchitis on I(d) since "with resulting" indicates they were due to the bronchitis.

## 2. Terms not indicating "due to"

The following terms imply that conditions are meant to remain on the same line. They are separated by "and" or by another connecting term that does not imply a "due to" relationship:

and	with ( $\bar{c}$ )
accompanied by	precipitated by
also	predisposing (to)
consistent with	superimposed on

Example:

(a) Myocardial infarction  $\bar{c}$  heart failure

Enter as:

(a) Myocardial infarction; heart failure

Both conditions will be entered on the same line.

Example:

Enter as:

I(a) Cardiac arrest

I(a) Cardiac arrest

(b) Pneumonia

(b) Pneumonia; emphysema

(c)

(c)

II Also emphysema

"Also" is a connecting term not implying a "due to" relationship.

c. Condition(s) entered above line I(a)

When a condition(s) is reported on the certificate above line I(a), enter this condition(s) on I(a). Enter the condition(s) reported on I(a) on line I(b) and enter the condition(s) reported on each of the remaining lines in Part I as though they had been reported on succeeding lines.

Example:

Enter as:

Myocardial infarction	I(a) Myocardial infarction
I(a) Pulmonary embolism	(b) Pulmonary embolism
(b) Congestive heart failure	(c) Congestive heart failure
(c) Congenital heart disease	(d) Congenital heart disease
(d)	

Treat the condition(s) reported above I(a) as on I(a). Move the condition(s) reported on I(a) to line I(b) and move the condition(s) reported on (b) and (c) downward.

- d. Condition(s) reported between lines in Part I.

When a condition(s) is reported between the lines in Part I without a connecting word, enter this condition(s) on the next lower line. Enter the condition(s) reported on each of the remaining lines in Part I as though they had been reported on succeeding lines.

Example:

Enter as:

I(a) Pneumonia  
    Bronchitis  
(b) Emphysema  
(c) Lung cancer  
(d)

I(a) Pneumonia  
(b) Bronchitis  
(c) Emphysema  
(d) Lung cancer

Move the condition reported between lines I(a) and I(b) to the next "due to" position, and move the condition(s) reported on lines I(b) and I(c) downward.

- e. Condition(s) reported as "due to" I(a), I(b), I(c), or I(d)

When a condition(s) is reported with a specific statement interpreted or stated as "due to" another condition, rearrange the entries according to the certifier's statement.

Example:

Enter as:

I(a) Myocardial failure  
(b) Pneumonia  
(c) Myocardial ischemia  
    due to (a)  
(d)

I(a) Myocardial ischemia  
(b) Myocardial failure  
(c) Pneumonia  
(d)

Accept the certifier's statement that the condition reported on line I(c) was "due to" the condition on line I(a). Move the conditions reported on I(a) and I(b) downward.

Example:

Enter as:

I(a) Heart failure  
(b) Pneumonia  
(c) Uremia due to (b)  
(d)

I(a) Heart failure; Uremia  
(b) Pneumonia  
(c)  
(d)

Take into account the certifier's statement on line I(c) and consider the uremia reported on line I(c) as the second

entry on  $I(a)$ .

Example:	Enter as:
I(a) Carcinomatosis	I(a) Cardiorespiratory arrest
(b) Ca. of lung	(b) Carcinomatosis
(c) Cardiorespiratory arrest	(c) Lung Ca
due to above	(d)
(d)	

Take into account the certifier's statement and enter the cardiorespiratory arrest on I(a), then move the remaining conditions downward.

Disregard the certifier's statement "due to above" when reported in Part II.

Example:	Enter as:
I(a) Chronic obstructive lung disease	I(a) Chronic obstructive lung disease
(b)	(b)
(c)	(c)
(d)	(d)
II Cardiac arrhythmia due to above	II Cardiac arrhythmia

f. Use of "arrow" or other symbol to indicate format

When the certifier indicates by an "arrow" or some other symbol that a condition(s) should be moved to another position on the certificate, enter the condition(s) in the position indicated by the symbol. If there is more than one condition on the line, move all of the conditions on the line.

Example:	Enter as:
I(a) Gangrene $\bar{c}$ sepsis	I(a) Gangrene; Sepsis
(b) ASCVD	(b) ASCVD
(c) → Senile dementia; peptic	(c)
(d)* ↓ ulcer	(d)
II ↓	II Senile dementia; peptic ulcer

g. Deletion of "due to" on the death certificate

The certifier will sometimes indicate that conditions in Part I are not causally related by marking through items I(a), I(b), I(c), and/or I(d), or through all or part of the printed "due to, or as a consequence of" which appears below items I(a), I(b), and I(c) on the death certificate. In such cases, treat all the conditions on the marked through lines as if they were reported on the next upper line (line I(a) if all are deleted). Add the conditions to that line in the order originally reported from line I(a) downward and from left to right but only after any conditions already on the line.

Example:

I(~~a~~) Heart disease  
  (~~b~~) Malignant hypertension  
  (~~c~~) Chronic nephritis  
  (~~d~~) Renal failure  
II Kidney cancer

Enter as:

I(a) Heart disease; Malignant hypertension; Chronic  
      nephritis; Renal failure  
II Kidney cancer

Example:

I(a) Cardiac failure  
  (~~b~~) Arteriosclerotic heart disease  
  (~~c~~) Emphysema and bronchitis

Enter as:

I(a) Cardiac failure; Arteriosclerotic heart disease;  
      Emphysema; bronchitis

Example:

I(a) Heart block  
  (b) Degenerative myocarditis  
  (~~c~~) Cerebral hemorrhage  
  (d)  
II Bronchopneumonia

Enter as:

- I(a) Heart block
- (b) Degenerative myocarditis; Cerebral hemorrhage
- II Bronchopneumonia

Example:

I(a) Cardiac arrest  
~~(b)~~ Cirrhosis of liver  
(c) Alcoholism  
(d)

Enter as:

I(a) Cardiac arrest; Liver cirrhosis  
(b)  
(c) Alcoholism  
(d)

h. Deletion of "Part II" on the death certificate

When the certifier has marked through the printed Part II, code the condition(s) reported in Part II as the last entry on the lowest used line in Part I. If the first entry in Part II is one of the connecting terms listed on pages 30 and 32 (Connecting Terms), treat as a continuation of Part I.

Example:

Enter as:

I(a) M.I.  
(b) Uremia  
(c) Arteriosclerosis  
(d)  
~~II~~ Nephritis

I(a) M.I.  
(b) Uremia  
(c) Arteriosclerosis; Nephritis  
(d)  
II

i. Numbering of Causes

When the certifier has numbered all or part of the causes or lines in the medical certification (Part I and Part II), e.g., 1, 2, 3, etc., treat these conditions as if reported on the same line as that of the first numbered condition. This instruction does not take precedent over those given in Chapter IV.D.1.b (Connecting Terms, pg. 29).

Example:

Enter as:

I(a) 1. Bronchopneumonia  
(b) 2. Cancer of stomach  
(c) Chronic nephritis  
(d)

I(a) Bronchopneumonia;  
Stomach cancer  
(b)  
(c) Chronic nephritis  
(d)



Example:	Enter as:
I(a) Congestive heart failure	I(a) Congestive heart failure
(b) Pneumonia	(b) Pneumonia
(c) Influenza	(c) Influenza
(d) 1. Pulmonary emphysema	(d) Pulmonary emphysema;
II 2. Lung cancer	Lung cancer
	II

When the causes in Part I are numbered and an entry is stated or implied as "due to" another, treat the entry connected by the stated or implied "due to" as on next lower line and continue with numbered causes on that same line.

Example:	Enter as:
I(a) 1. Bronchopneumonia due	I(a) Bronchopneumonia
(b) to influenza	(b) Influenza; Pulmonary
(c) 2. Pulmonary fibrosis	fibrosis; Bronchitis
3. Bronchitis	(c)
(d)	(d)

Example:	Enter as:
I(a) 1. Pneumonia	I(a) Pneumonia
(b) M.I.	(b) MI; ASHD; Arteriosclerosis
(c) 2. ASHD	(c)
(d) 3. Arteriosclerosis	(d)

## 2. Inclusion of Additional Information (A.I.) to Mortality Source Documents

Occasionally, supplementary or additional information (called A.I.) will be attached to a death certificate. Take the additional information into consideration when interpreting the medical information. Usually, this information is intended to change one or more causes of death reported on the original certificate.

- a. When A.I. states the underlying cause of a specified disease in Part I, treat the A.I. as if reported on the line immediately below the specified disease and adjust all other conditions accordingly.

Example:	Enter as:
I(a) Pulmonary edema	I(a) Pulmonary edema
(b) Congestive heart failure	(b) Congestive heart failure
(c) Arteriosclerosis	(c) ASHD
(d)	(d) Arteriosclerosis
II	

A.I.: The underlying cause of the congestive heart failure was ASHD.

- b. When A.I. modifies a disease, treat the disease as modified by the A.I., where first reported.

Example:

Enter as:

I(a) Pneumonia

I(a) Lobar pneumonia

(b)

(b)

(c)

(c)

II

II

A.I.: Lobar pneumonia

- c. When there is a stated or implied complication of surgery and the A.I. indicates the condition for which surgery was performed, enter this condition in a "due to" position to the surgery.

Example:

Enter as:

I(a) Coronary occlusion

I(a) Coronary occlusion

(b) Gastrectomy

(b) Gastrectomy

(c)

(c) Gastric ulcer

II

II

A.I.: Gastrectomy done for gastric ulcer

Example:

Enter as:

I(a) Respiratory arrest

I(a) Respiratory arrest

(b) Pneumonia

(b) Pneumonia

(c)

(c)

II Uremia, cholecystectomy

II(1.1) Uremia

A.I.: Surgery for gallstones

(1.2) cholecystectomy

(2.1) gallstones

- d. When A.I. states a specified condition is the underlying cause of death, enter this condition in Part I in a "due to" position (on a separate line) to the conditions reported on the original death record.

Example:

Enter as:

I(a) Cardiac arrest

I(a) Cardiac arrest

(b) M.I.

(b) MI

(c) ASHD

(c) ASHD

(d)

(d) Diabetes

II

II

A.I.: U.C. was diabetes

- e. When A.I. states the primary site of a malignant neoplasm, enter this condition in a "due to" position to the other malignant neoplasms reported in Part I.

Example:	Enter as:
I(a) Cancer of liver	I(a) Liver cancer
(b)	(b) Primary colon cancer
(c)	(c)
II	II
A.I.: Colon was primary	

I(a) Carcinomatosis	I(a) Carcinomatosis
(b)	(b) Primary site prostate
(c)	carcinomatosis
II	
A.I.: Prostate was the primary site	

- f. When the A.I. does not modify a condition on the certificate or does not state this condition is the underlying cause, enter the A.I. as the last condition(s) in Part II.

Example:	Enter as:
I(a) Coronary thrombosis	I(a) Coronary thrombosis
(b) HASCVD	(b) HASCVD
(c)	(c)
(d)	(d)
II Hypertension	II Hypertension; Arteriosclerosis; CVA; OLD MI
A.I.: Arteriosclerosis, CVA, old M.I.	

I(a) Hip fracture	I(a) Hip Fx
(b)	(b)
(c)	(c)
(d)	(d)
II ASHD, dehydration	II ASHD; dehydration; >FE
A.I.: Fell at nursing home.	

Enter A.I. as the last condition in Part II since it does not modify a condition or does not state this condition was the underlying cause.

Example:	Enter as:
I(a) Respiratory failure	I(a) Respiratory failure
(b) RDS	(b) RDS
(c)	(c)
(d)	(d)
A.I. Twin B	II B Twin

Information on multiple births may appear in the name block or on the side of certificate.

### 3. Amended Certificates

When an "amended certificate" is submitted, enter the conditions reported on the amended certificate only.

### E. Instructions for Standardizing and Entering Malignant Neoplasms

Neoplasms are entered differently than other disease conditions. Six tables or lists have been constructed to use when entering neoplasms. (See APPENDIX F, pgs. 89, 90, 91, 100, and 101.) These are:

1. List I - Neoplasms - Unique Terms (pg. 89).
- List II - Neoplasms - Descriptive Words (pg. 90).
- List III - Neoplasms with "TO" (pg. 90).
- List IV - Neoplasms - Anatomical Sites (pg. 91).
- List V - Neoplasms - Special Words (pg. 100).
- List VI - Neoplasms - Cell Types (pg. 101).

A brief description of each list and its use follows.

List I (pg. 89) consists of unique terms frequently encountered. These terms are acceptable dictionary entries and are to be used independent of any other lists. (Entity reference numbers may be used for these terms.)

List II (pg. 90) consists of descriptive terms frequently used with neoplasms. These descriptive terms should be entered in alphabetical order preceding the site.

List III (pg. 90) consists of terms frequently reported

with the word "TO." Entries from this list are to be used in combination with sites from List IV to form a complete term. If a specific cell type is reported, this may be shown by an entry from List VI (Cell Types) possibly preceded by an entry from List V (Special Words).

List IV (pg. 91) consists of anatomical body sites and may be used in combination with cell types from List VI or with entries from List III (Neoplasms "TO").

List V (pg. 100) consists of special words and may be used in combination with List VI (Cell Types).

List VI (pg. 101) consists of cell types and may be used in combination with List III; List IV and List V.

2. These lists are to be used in numeric order--List I, if applicable, followed by descriptive words List II, then List III, if applicable, followed by anatomical sites from List IV, followed by special words from List V and followed last by the morphological or cell type from List VI. The combination of words from these lists, entered in the correct order, will create a single MICAR term which in turn will convert to the appropriate ICD code.

Reported as: Metastatic cancer to lung  
Enter as: Metastatic cancer to lung  
Metastatic cancer to (List III)  
Lung (List IV)

Reported as: Widespread cancer of lung  
Enter as: Widespread lung cancer  
Widespread (List II)  
Lung (List IV)  
Cancer (List VI)

Descriptive words not included on List II are to be entered in the same position as those words on List II and in alphabetical order.

Reported as: Massive diffused cancer of lung  
Enter as: Diffused massive lung cancer

"Massive" is not listed on List II but should be treated in the same manner and alphabetized.

3. Malignant neoplasms of a site or metastatic malignant neoplasm of a site reported from another site, reformat in a "due to" position, and form a complete entity.

Reported as: (a) Cancer of liver from lung

Enter as: (a) Liver cancer

(b) Lung cancer

Reported as: (a) Metastatic carcinoma to liver from lung

Enter as: (a) Metastatic carcinoma to liver

(b) Lung carcinoma

Reported as: (a) Metastatic cancer from breast to bone

Enter as: (a) Metastatic cancer to bone

(b) Breast cancer

4. When a malignant neoplasm (of site) is reported with one of the following terms of a site, enter these terms as "metastasis to" site. When one of these terms is reported without a site, enter as "metastasis".

extension

involvement

infiltration

secondaries

invasion

spread

Reported as: (a) Cancer of bladder with infiltration  
into ureter

Enter as: (a) Bladder cancer; Metastasis to ureter

Reported as: (a) Cancer with extension to esophagus

Enter as: (a) Cancer; Metastasis to esophagus

Reported as: (a) Bladder cancer with spread

Enter as: (a) Bladder cancer; metastasis

5. Frequently the certifier is unable to determine the origin or primary site of a malignant neoplasm. When one of the following terms is reported, enter ? in the same position as the term.

primary not identified	? source
primary site unknown	undetermined origin
primary uncertain	undetermined primary
? origin (questionable)	undetermined site
? primary	undetermined source
? site	1 <sup>o</sup> unknown
unknown origin	unknown site
unknown primary	unknown source

Reported as: Lung cancer, primary unknown  
Enter as: Lung cancer; ?

Reported as: Lung cancer, primary site of cancer unknown  
Enter as: Lung cancer; ?; cancer

6. The certifier will sometimes use the term "with met." For consistency treat as "with metastasis."

Also the word "metastasis" is sometimes illegible or difficult to determine the correct suffix. It can be either "sis" or "ses." In these instances treat as "metastasis."

7. When the adjective "metastatic" modifies a neoplasm of more than one site, use "metastatic" to modify each site.

Reported as: Metastatic cancer of lung and brain  
Enter as: Metastatic lung cancer; Metastatic brain cancer

## Instructions for Identifying, Standardizing, and Entering Surgery and Medical Care Procedures

Complications or adverse effects occasionally arise from surgical (operation) and medical care procedures. Some deaths are indicated to be the result of an error or accident during medical care. Others can be due to surgical or medical care procedures causing complications.

Example:

- I(a) Shock
- (b) Laceration of liver
- (c) Needle Biopsy

Laceration could be a result of an accident or error during a procedure.

- I(a) Pneumonia
- (b) Surgery

Pneumonia is frequently seen as a complication of surgery.

### 1. Words associated with surgery and medical care procedures:

Clipping	Removal
Closure	Replacement
Correction	Repair
Excision	Resection
Fixation	Revision

Words ending in:

ectomy - Appendectomy  
opsy - Biopsy  
oscopy - Cystoscopy  
ostomy - Colostomy  
otomy - Craniotomy

### 2. Variant reporting for surgery and medical care

Surgery and medical care procedures are reported in several different ways. These may include:

- (1) Named procedure, such as needle biopsy, pneumonectomy, catheterization.
- (2) The term postoperative, such as postoperative pulmonary embolism.

- (3) Coronary artery bypass graft - which includes a site of the surgery plus the name of the surgical procedure.
- (4) Brain tumor excision - this includes a condition and surgical term.
- (5) Above knee amputation necrosis - this includes the surgical term plus a complication of the surgery.
- (6) Post op bowel obstruction - this can be a complication of surgery or the reason surgery was performed.

When encountering medical care procedures, it is important to consider the entire entry. Essentially, surgery or surgical procedures will be entered the same as other conditions, the general rule of surgery being site before procedure. It will be necessary to identify the lead term in the entry, which is usually the procedure. Once the lead term is identified then the modifiers can be placed. Adjectival modifiers and anatomical sites will precede the lead term.

Reported as: Cervical Node **Biopsy**  
 Enter as: Cervical Node **Biopsy**

Reported as: **Removal** of Kidney Stones  
 Enter as: Kidney Stones **Removal**

Reported as: **Mastectomy**, Left Breast  
 Enter as: Left Breast **Mastectomy**

EXCEPTION

An exception to the above will be when an abnormal reaction occurs to the procedure (something happening to the surgical or medical care procedure itself). Terms indicating this will be words such as: leaking, malfunction, dislodgement, dehiscence, infection, blockage and rupture. These types of entries are the lead term and the surgery or surgery with site will be the modifiers.

Reported as: **Dehiscence** of Coronary Graft  
 Enter as: Coronary Graft **Dehiscence**

Dehiscence is the abnormal reaction;  
 coronary graft is the site and name of the surgery.

Reported as: **Leakage** of Anastomosis  
 Enter as: Anastomosis **Leakage**

Leakage is the abnormal reaction;  
anastomosis is the surgery.

3. Postoperative

Postoperative, po, po status, post surgery, post surgical, status postoperative, status po, status post, post, post status, status, surgical, surgical status, surgically, perioperative, and intraoperative are considered synonymous terms and will be treated the same when entering them. When one of these terms is reported enter as one term alone. Do not enter it as part of a multiple word entity. Always separate the terms out from other words and enter the term alone in the position it is reported.

Reported as: **Postoperative Pneumonia**  
Enter as: **Postoperative;Pneumonia**

Reported as: **Phlebitis, Post Surgical**  
Enter as: **Phlebitis;Post Surgical**

Reported as: Status **PO Radical Nephrectomy**  
Enter as: Status **PO;Radical Nephrectomy**

Examples of surgery and medical care:

Reported as: Renal **Transplant**  
Enter as: Renal **Transplant**

Reported as: Indwelling Foley **Catheter**  
Enter as: Indwelling Foley **Catheter**

Reported as: **Infection** of Aortic Graft  
Enter as: Aortic Graft **Infection**

Reported as: **Excision** for Lung Cancer  
Enter as: **Excision/Lung Cancer**

Reported as: Kidney Stones **Removal**  
Enter as: Kidney Stones **Removal**

Reported as: **Drainage** of Left Kidney Abscess  
Enter as: Left Kidney Abscess **Drainage**

Reported as: **Insertion** of Pacemaker  
Enter as: Pacemaker **Insertion**

Reported as: Bypass Graft **Infection**  
 Enter as: Bypass Graft **Infection**

Reported as: Mitral Valve **Replacement**  
 Enter as: Mitral Valve **Replacement**

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Date of Surgery		January.....01
		February.....02
Month		March.....03
		April.....04
		May.....05
		June.....06
		July.....07
		August.....08
		September.....09
		October.....10
		November.....11
		December.....12
		Unknown.....99
		Not stated.....Blank
Day		01-31
		Unknown.....99
		Not stated.....Blank
Year		Last 2 digits of year
		Unknown.....9999
		Not stated.....Blank

Special Instructions:

Date of Surgery is not an item on the U.S. Standard Certificate of Death. However, many states have allocated a specific item for this information. Refer to the Special Rules Booklet for each state to determine if this information is entered in a specific location. If this item is not on the death certificate consider other information in the Medical Certification Section and enter a date if reported. If no date is reported, leave blank.

If "yes" is entered in "Was operation performed" block, enter "surgery" as last condition in Part II.

G. Instructions for Identifying, Standardizing, and Entering

## Complications of Procedures Involving Drugs, Radiation and Instruments

Many procedures (e.g. Angiogram, barium enema, pyelogram) involve the use of drugs, x-ray or radioactive substances and various instruments. Follow the MICAR general rule for determining the order of entry. Select a lead term (noun or verb in this case) then the modifiers to be entered. In selecting the lead term identify the procedure then the substance, or instrument used to perform the procedure. Cortisone therapy is an example of therapy as the procedure with the cortisone as the substance used in the procedure.

### Examples:

Reported as: I (a) Perforation of Intestine  
(b) Enema  
(c) Diverticulosis

Enter as: I (a) Intestine Perforation  
(b) Enema  
(c) Diverticulosis

Reported as: I (a) Bowel Obstruction  
(b) Radiation Necrosis of Bowel  
II Cancer of Bowel

Enter as: I (a) Bowel Obstruction  
(b) Radiation Bowel Necrosis  
II Bowel Cancer

Reported as: I (a) Cardiac Failure  
(b) Anesthesia for Kidney  
(c) Removal

Enter as: I (a) Cardiac Failure  
(b) Anesthesia  
(c) Kidney Removal

Reported as: I (a) Chronic Blood Loss  
(b) Ulcer of Stomach  
(c) Cortisone Therapy  
(d) Scleroderma

Enter as: I (a) Chronic Blood Loss  
(b) Stomach Ulcer  
(c) Cortisone Therapy  
(d) Scleroderma

## H. Instructions for Identifying, Standardizing, and Entering Poisoning

Poisoning can occur as a result of fumes, gas, liquids or

solids. Emphasis will be placed on the substance and the description of the circumstances. Some terms describing circumstances can be:

ingestion, inhaled, injected, taken or took

Poisonings by drugs are reported in several ways. Terms seen with drug poisonings include:

drugs taken inadvertently, wrong drug given, wrong dose taken, overdose of drug, poisoning by a drug, toxicity of a drug, toxic reaction to drug, intoxication by a drug

Before entering, select the substance and then the circumstances surrounding the poisoning. Since the circumstances concerning drugs and other substances are reported in many different ways, a conversion list has been prepared for ease of entry. This list is APPENDIX G, pg. 106. Enter the substance followed by the converted circumstance from the conversion list. If the substance or the circumstance is reported more than one time, enter each time it is reported. If reported circumstance is not on the conversion list, enter the information as reported.

Examples:

Reported as: Ingested Toxic Amount of Digitalis  
Enter as: Digitalis Toxicity

Reported as: Breathed Smoke  
Enter as: Smoke Inhalation

Reported as: Intravenous Overdose of Morphine  
Enter as: Intravenous Morphine Overdose

Reported as: Ingestion of Combined Overdose of Alcohol and  
Drugs  
Enter as: Alcohol Poisoning; Drug Poisoning

Reported as: Mixed Effects of Alcohol and Tranquilizer  
Enter as: Alcohol Poisoning; Tranquilizer Poisoning

#### I. Instructions for Identifying, Standardizing, and Entering External Causes

External causes include deaths involving motor and other vehicles, boats, aircraft, falls, fires, natural and environmental factors, firearms, and machinery. Typically, when an injury is reported on a certificate or when accident/suicide/ or homicide is

indicated, a separate description of the circumstances causing the injury (the external cause) will be found.

The death certificate provides a specific place for information to be recorded concerning the circumstances surrounding external causes. It is immediately below the line marked "Part II" and is designated as items 29-30f. In a properly completed certificate, the external cause information will be recorded in this space. However, certifiers frequently report this information in Part I, Part II or in multiple places on the certificate.

External cause information is interpreted and entered in a slightly different manner than diseases and injuries. Combine all the pieces of information about the external cause from Part I, Part II, and the "How Injury Occurred" item and enter only the relevant information where the entity was first reported. Because it is often difficult to determine what is relevant and what relates to the external cause, APPENDIX M (pg. 191) is arranged in programmed instruction format. These instructions, referred to as prompts, guide the entry operator step by step through the selection process. They may be used in manual form and the codes associated with the terms may be keyed directly from the prompts. (Alternatively, on some data entry equipment, these instructions may be designed so that the key entry operator will merely need to select choices from a predefined "menu." The data entry software will then automatically "key enter" the appropriate codes.)

Essentially, the prompts ask the key entry operator to first determine, based on any information on the record, which of 18 categories the external cause belongs to: Cataclysmic Events; Transports; Fire and Flames; Explosions; Excessive or Exposure to Natural and Environmental Factors; Bites, Stings, Poisoning, and Injuries by Animals and Plants; Hot Substance or Object, Caustic or Corrosive Material, and Steam; Electrical Current; Firearms; Radiation; Drowning or Submersion with Activities in Water; Circumstances Involving Suffocation, Strangulation, Obstruction, Aspiration, Choking, or Asphyxiation; Tools, Appliances, and Sharp Objects; Machinery in Operation; Falling, Diving, Jumping, Pushed; Abuse, Assault, Abandonment, Neglect; Legal Interventions and Operations of War; and Other. (Where two or more categories are applicable to one external cause, select the first letter and turn to the appropriate page indicated beside that letter. If there are two separate external causes associated with the death, then this procedure would be followed separately for each.) Once a category is chosen, turn to the appropriate page indicated by the letter and enter the ">" symbol followed by the category letter (e.g., "B" for TRANSPORTS) at the first place the external cause is mentioned on the certificate. Then proceed to answer each

question by selecting and entering the appropriate code(s) following the symbol and letter (>B"). When completed, the symbol, a letter and from one to eight 2-digit numbers (e.g., >B0601060101990206) will have been entered.

Note the following:

1. The set of reference numbers for the external cause must be preceded by the ">" symbol and the category letter, e.g., ">L0104."
2. The reference number must be entered where the first mention of information regarding the external cause is first reported whether reported in Part I, Part II, or in the space provided for "How Injury Occurred."

The information contained in the "How Injury Occurred" item (30d) will usually be a description of the circumstances surrounding an external cause of death. If the external cause is first mentioned in another part of the certification, combine the information in "How Injury Occurred" with the external cause information reported in Part I or Part II as the case may be. If not mentioned elsewhere, place the external cause information in the space provided for "How Injury Occurred." If a disease or injury is reported in the "How Injury Occurred" block, enter it in the "How Injury Occurred" space in the same order as reported. It is preferable to scan the certificate prior to beginning data entry.

Example:       I(a) Pneumonia  
              (b) Fracture Hip - refer to APPENDIX H (pg. 108)  
              II

How Injury Occurred  
Fall on Stairs, Fracture  
Refer to the prompts (APPENDIX M,  
pg. 191) for Fall and APPENDIX H  
(pg. 108) for Fracture

Enter as:     I(a) PN  
              (b) Hip fx  
How Injury Occurred: >002; Fx

Example:     I(a) Fracture of hip, contusion  
              (b) Fall cancer  
              II Diabetes

Enter as:     I(a) Hip Fx; Contusion  
              (b) >FA;CA  
              II DI

3. If an injury is reported with no description of the circumstances surrounding it or if the circumstances of the external cause are fully described in the injury (i.e. insect bite), then there is no need to access the external cause prompts (APPENDIX M, pg. 191). Terms that imply both injury and external cause (e.g., strangulation, drowning) are listed in both APPENDIX H (pg. 108) and APPENDIX M (pg. 191).

If uncertain whether a term under consideration should be treated as an injury or external cause, first check APPENDIX H (pg. 108). If lead term or any form of lead term is found, enter the term in standard MICAR order or as a standard MICAR abbreviation. If this same term is repeated on other lines or in Part II, repeat in position as reported. When these terms are the only reported entry or are reported with diseases, with no detailed description of circumstances, no reference to APPENDIX M (pg. 191) is required. If these are descriptive words or phrases, refer to APPENDIX M (pg. 191) for more detail concerning the external cause and enter the information where the first additional detail is provided on the certificate.

Example: I(a) Drowning - refer to APPENDIX H (pg.108)  
Enter as: Drowning

Example: I(a) Drowning - refer to APPENDIX H (pg.108)  
II

How Injury Occurred

Fall from boat

Refer to the prompts (APPENDIX M, pg. 191)

Enter as: Drowning;  
How Injury Occurred: >B3499SSSS99099934

Example: I(a) Hip Fx - refer to APPENDIX H (pg. 108)  
(b)  
(c)  
II

How injury occurred

Car collided with tree

Refer to the prompts (APPENDIX M, pg. 191).

Enter as: Hip Fx  
How Injury Occurred: >B0199669999999901

J. Entering Other Medical Related Items

Entries are also required for information reported in following items of the certificate.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Manner of Death	Item 29	Accident.....1 Suicide.....2 Homicide.....3 Deferred.....4 Pending Investigation.....4 Unclassified.....4 Undetermined.....5 Self Inflicted.....6 Natural (Causes).....7 Not Stated.....Blank

Special Instructions:

If an injury or external cause is reported and item 29 is not stated, consider other information in the medical certification to obtain a more specific code (1-6). For example, if "self inflicted stab wound" is reported elsewhere in the certification, code Item 29 as "6".

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Date of Injury	Item 30a	January.....01 February.....02 March.....03 April.....04 May.....05 June.....06 July.....07 August.....08 September.....09 October.....10 November.....11 December.....12 Unknown.....99 Not stated.....Blank
Month		
Day		01-31 Unknown.....99 Not stated.....Blank
Year		Last 2 digits of year Unknown.....9999

Not stated.....Blank

Special Instructions:

1. When the date of an injury or external cause is reported anywhere on the certificate except in duration block, enter date in date of injury block.
2. When the date of an injury or external cause is reported in duration block, compute duration by instruction i, page 27.
3. If a span is reported for month, day or year of injury, enter the earlier date. For February 3-5, 1991 enter 02 for month, 03 for day and 91 for year.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Injury at Work	Item 30c	Yes . . . . . 1 Any other entry . . . Blank

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Place of Injury	Item 30e	Home . . . . . A Farm . . . . . B Residential Institution . C Military Residence . . . D Hospital . . . . . E School, Other Institution, Administrative Area . F Industrial and Construction Areas . . . . . G Garage/Warehouse . . . . H Trade and Service Area . I Mine/Quarry . . . . . J Street/Highway . . . . . K Public Recreation Area . L Institutional Recreation Area . . . . . M Sports and Athletics Area. N Other Building . . . . . O Other Specified Place . . P Unspecified Place . . . . Q Blank or Unknown . . .Blank

See APPENDIX I, pg 111, for codes for specific places.

Special Instructions:

Enter code based on reported place given in Item 30e. If 30e is blank, and injury or external is reported, enter the code based on information in items 27-30f.

Example: I(a) Multiple injuries - Refer to APPENDIX H, pg. 108.  
II

Accident	How Injury Occurred
	Motor Vehicle Collided with Bicycle - Refer to the prompts, (APPENDIX M, pg. 191).
	Place
	Highway

Enter as: Multiple injuries  
Manner of Death: 1  
How Injury Occurred: >B0601570199999977  
Place of Injury: K

Activity Code Instructions:

The ICD-10 provides a subclassification for use with external causes and injuries to indicate the activity of the injured person at the time the event occurred. This information may be scattered over different parts of the medical certification, I, II, 30d, 30c, etc. If no information concerning the activity of the injured person is reported on the certificate, leave the item blank. When two or more codes appear to be appropriate for the information reported, assign code 8. See APPENDIX J, pg. 116, for codes for specific activities.

<u>Item</u>	<u>Source</u>	<u>Code Structure</u>
Activity	Part I	While Engaged in Sport Activity.....0
at Death	Part II	While Engaged in Leisure Activity.....1
	How Injury	While Working for Income.....2
	Occurred	While Engaged in Other Types of Work....3
		While Resting, Sleeping, Eating (Vital Activity).....4
		While Engaged in Other Specified Activity.....8
		Unspecified Activity.....9
		No information reported.....Blank



## K. MICAR Quick Reference Guide

The MICAR Quick Reference Guide was developed to aid data entry personnel as they become more familiar with the terms and concepts of MICAR data entry. The guide enables users to quickly reference key concepts, definitions, and code structure contained in the Part 2g Instruction Manual. The Quick Reference Guide contains most of the appendices in the Instruction Manual, including geographic codes, special words and phrases, neoplasms, a complete list of abbreviations for diseases and injuries, and the short index of external causes. The Quick Reference Guide will make data entry faster.

### **CHAPTER V - REVIEW**

This chapter uses examples as a means of reviewing the material covered in Chapters I-IV. The examples are keyed to specific paragraphs in the instructions that they illustrate. Please note that the key is only to the main principles targeted by the examples. Where only the basic rules are involved, the reference is omitted.

Questions encountered during actual data entry of death records should be resolved as follows in the order indicated.

1. Use MICAR Quick Reference Guide
2. Refer to table of contents of this manual
3. Refer question to supervisor
4. Refer question to NCHS staff

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....Colorado.....Enter 06  
Lot Number.....123.....Enter 123  
Shipment Number.....5.....Enter 05  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....000161.....Enter 161  
Sex.....Male.....Enter 1  
Date of Death.....03-01-89.....Enter 0301  
Age at Death.....56.....Enter 056

Reported as: I(a) Esophageal varices Yrs.  
(b) Cirrhosis of liver Yrs.  
(c) Intoxication Yrs.  
(d)  
II Atrial fibrillation

Enter as: I(a) Esophageal varices 099  
(b) Liver cirrhosis 099  
(c) Intoxication 099  
(d)  
II Atrial fibrillation

CERTIFICATE # 000161 State: 06 Sex 1 Record # 0001/0012  
Date of Death: Month 03 Day 01 Age 056

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	082360	ESOPHAGEAL VARICES	099
1	B	01	000078	LIVCIR	099
1	C	01	077808	INTOXICATION	099
2	01	01	000021	ATRIAL FIBRILLATION	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: Duration, page 24  
General Rules, page 17

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....South Dakota.....Enter 42  
Lot Number.....123.....Enter 123  
Shipment Number.....01.....Enter 01  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....002201.....Enter 2201  
Sex.....Female.....Enter 2  
Date of Death.....02-02-89.....Enter 0202  
Age at Death.....76.....Enter 076

Reported as: I(a) Carcinoma of pancreas and liver  
(b) Carcinoma of breast  
(c)  
(d)  
II Pleural effusion and ascites

Enter as: I(a) Pancreas carcinoma; liver carcinoma  
(b) Breast carcinoma  
(c)  
(d)  
II Pleural effusion; ascites

CERTIFICATE # 002201 State: 42 Sex 2 Record # 0002/0012  
Date of Death: Month 02 Day 02 Age 076

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	000097	PANCREAS CARCINOMA	
1	A	02	000077	LIVER CARCINOMA	
1	B	01	000022	BREAST CARCINOMA	
2	01	01	084083	PLEURAL EFFUSION	
2	01	02	093732	ASCITES	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: General Rules, page 17

Diseases involving multiple sites, page 18

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....Alabama.....Enter 01  
Lot Number.....131.....Enter 131  
Shipment Number.....02.....Enter 02  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....000450.....Enter 450  
Sex.....Male.....Enter 1  
Date of Death.....05-02-89.....Enter 0502  
Age at Death.....65.....Enter 065

Reported as: I(a) Leukemia, monocytic, acute and chronic  
(b)  
(c)  
(d)  
II

Enter as: I(a) Acute monocytic leukemia, Chronic monocytic leukemia  
(b)  
(c)  
(d)  
II

CERTIFICATE # 000450 State: 01 Sex 1 Record # 0003/0012  
Date of Death: Month 05 Day 02 Age 065

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	058072	ACUTE MONOCYTIC LEUKEMIA	
1	A	02	058076	CHRONIC MONOCYTIC LEUKEMIA	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: General Rules, page 17  
Acute and Chronic, pages 17

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....California.....Enter 05  
Lot Number.....451.....Enter 451  
Shipment Number.....06.....Enter 06  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....100465.....Enter 100465  
Sex.....Male.....Enter 1  
Date of Death.....01-10-89.....Enter 0110  
Age at Death.....80.....Enter 080

Reported as: I(a) (1) Hypovolemic shock (2) dehydration  
(b) (3) Hepatorenal syndrome  
(c) Cirrhosis, Laennec's Years  
(d)  
II Intoxication 1/1-1/10

Enter as: I(a) Hypovolemic shock; dehydration; hepatorenal syndrome  
(b)  
(c) Laennecs cirrhosis 099  
(d)  
II Intoxication 409

CERTIFICATE # 100465 State: 05 Sex 1 Record # 0004/0012  
Date of Death: Month 01 Day 10 Age 080

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	093511	HYPOVOLEMIC SHOCK	
1	A	02	000059	DEHYDRATION	
1	A	03	086930	HEPATORENAL SYNDROME	
1	C	01	086802	LAENNECS CIRRHOSIS	099
2	01	01	077808	INTOXICATION	409

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: Numbering of Causes, page 37  
Duration, page 24



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....Colorado.....Enter 06  
Lot Number.....123.....Enter 123  
Shipment Number.....05.....Enter 05  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....000161.....Enter 161  
Sex.....Male.....Enter 1  
Date of Death.....03-03-89.....Enter 0303  
Age at Death.....56.....Enter 056

Reported as: I(a) Pulmonary edema and uremia 9 mos.  
(b) Nephrosclerosis with atrophy both kidneys 18 yrs.  
(c) Arteriosclerotic heart failure  
(d)  
II

Enter as: I(a) Pulmonary edema; uremia  
(b) Nephrosclerosis; both kidneys atrophy  
(c) Arteriosclerotic heart failure  
(d)  
II

CERTIFICATE # 000161 State: 06 Sex 1 Record # 0005/0012  
Date of Death: Month 03 Day 03 Age 056

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	084145	PULMONARY EDEMA	
1	A	02	088119	UREMIA	
1	B	01	079581	NEPHROSCLEROSIS	
1	B	02	088143	BOTH KIDNEYS ATROPHY	
1	C	01	081768	ARTERIOSCLEROTIC HEART FAILURE	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: General Rules, page 17

Duration, page 24

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....New York.....Enter 33  
Lot Number.....104.....Enter 104  
Shipment Number.....01.....Enter 01  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....001480.....Enter 1480  
Sex.....Female.....Enter 2  
Date of Death.....05-01-89.....Enter 0501  
Age at Death.....62.....Enter 062

Reported as: I(a) Myocardial infarct Sudden  
(b) Viral septicemia & gastroenteritis 4 days  
(c) Diabetes mellitus several years  
(d)  
II

Enter as: I(a) Myocardial infarct 706  
(b) Viral septicemia; viral gastroenteritis  
(c) Diabetes mellitus 099  
(d)  
II

CERTIFICATE # 001480 State: 33 Sex 2 Record # 0006/0012  
Date of Death: Month 05 Day 01 Age 062

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	000092	MYOCARDIAL INFARCT	706
1	B	01	000600	VIRAL SEPTICEMIA	
1	B	02	000857	VIRAL GASTROENTERITIS	
1	C	01	000061	DIABETES MELLITUS	099

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: Duration, page 24  
Organisms, page 19



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....South Dakota.....Enter 42  
Lot Number.....105.....Enter 105  
Shipment Number.....06.....Enter 06  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....000290.....Enter 290  
Sex.....Female.....Enter 2  
Date of Death.....01-30-89.....Enter 0130  
Age at Death.....85.....Enter 085

Reported as: I(a) Pneumococcal meningitis and septicemia Hrs.  
(b) Pneumococcal broncho pneumonia 2 days  
(c)  
(d)  
II Heart disease

Enter as: I(a) Pneumococcal meningitis; pneumococcal septicemia  
(b) Pneumococcal bronchopneumonia 402  
(c)  
(d)  
II Heart disease

CERTIFICATE # 000290 State: 42 Sex 2 Record # 0007/0012  
Date of Death: Month 01 Day 30 Age 085

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	078119	PNEUMOCOCCAL MENINGITIS	
1	A	02	000333	PNEUMOCOCCAL SEPTICEMIA	
1	B	01	083612	PNEUMOCOCCAL BRONCHOPNEUMONIA	402
2	01	01	081055	HEART DISEASE	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: Organisms, page 19  
Duration, page 24



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....North Carolina.....Enter 34  
Lot Number.....150.....Enter 150  
Shipment Number.....02.....Enter 02  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....002263.....Enter 2263  
Sex.....Male.....Enter 1  
Date of Death.....02-10-89.....Enter 0210  
Age at Death.....75.....Enter 075

Reported as : I(a) Azotemia 2 days  
(b) Embolism, cerebral 2 weeks  
(c) Heart disease with arrhythmia years  
(d)  
II Embolism of heart

Enter as: I(a) Azotemia 402  
(b) Cerebral embolism 302  
(c) Heart disease; arrhythmia  
(d)  
II Heart embolism

CERTIFICATE # 002263 State: 34 Sex 1 Record # 0008/0012  
Date of Death: Month 02 Day 10 Age 075

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	093765	AZOTEMIA	402
1	B	01	081429	CEREBRAL EMBOLISM	302
1	C	01	081055	HEART DISEASE	
1	C	02	080741	ARRHYTHMIA	
2	01	01	079706	HEART EMBOLISM	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: General Rules, page 17  
Duration, page 24



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....Alabama.....Enter 01  
Lot Number.....150.....Enter 150  
Shipment Number.....04.....Enter 04  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....005698.....Enter 5698  
Sex.....Female.....Enter 2  
Date of Death.....04-24-89.....Enter 0424  
Age at Death.....65.....Enter 065

Reported as: I(a) Cardiorespiratory arrest min.  
(b) Gangrene of leg days  
(c) Diabetes mellitus yrs.  
(d)  
II Carcinomatosis of lung

Enter as: I(a) Cardiorespiratory arrest 699  
(b) Leg gangrene 499  
(c) Diabetes mellitus 099  
(d)  
II Lung carcinomatosis

CERTIFICATE # 005698 State: 01 Sex 2 Record # 0009/0012  
Date of Death: Month 04 Day 24 Age 065

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	000033	CARDIORESPIRATORY ARREST	699
1	B	01	093472	LEG GANGRENE	499
1	C	01	000061	DIABETES MELLITUS	099
2	01	01	018008	LUNG CARCINOMATOSIS	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: Duration, page 24  
Neoplasms, page 41



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....California.....Enter 05  
Lot Number.....450.....Enter 450  
Shipment Number.....05.....Enter 05  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....001234.....Enter 1234  
Sex.....Male.....Enter 1  
Date of Death.....05-21-89.....Enter 0521  
Age at Death.....60.....Enter 060

Reported as: I(a) Subarachnoid hemorrhage and shock  
(b) Ruptured cerebral aneurysm  
(c) Hypertension  
(d)  
II Senile dementia with cachexia

Enter as: I(a) Subarachnoid hemorrhage; shock  
(b) Ruptured cerebral aneurysm  
(c) Hypertension  
(d)  
II Senile dementia; Cachexia

CERTIFICATE # 001234 State: 05 Sex 1 Record # 0010/0012  
Date of Death: Month 05 Day 21 Age 060

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	081125	SUBARACHNOID HEMORRHAGE	
1	A	02	093522	SHOCK	
1	B	01	081129	RUPTURED CEREBRAL ANEURYSM	
1	C	01	000071	HYPERTENSION	
2	01	01	077513	SENILE DEMENTIA	
2	01	02	093862	CACHEXIA	

Manner of Death Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury  
Date of Surgery: Month Day Year

Reference: General Rules, page 17



Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....California.....Enter 05  
Lot Number.....452.....Enter 452  
Shipment Number.....07.....Enter 07  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....110455.....Enter 110455  
Sex.....Female.....Enter 2  
Date of Death.....05-10-89.....Enter 0510  
Age at Death.....95.....Enter 095

Reported as: I(a) Pneumonia days  
(b) Fracture of hip 2 wks.  
(c) Fall  
(d)  
II  
Accident How Injury Occurred  
Fall  
Place of Injury  
Rest Home

Enter as: I(a) Pneumonia 499  
(b) Hip fracture 302  
(c) Fall  
(d)  
II  
Manner of Death Accident  
Place of Injury Rest Home

CERTIFICATE # 110455 State: 05 Sex 2 Record # 0011/0012  
Date of Death: Month 05 Day 10 Age 095

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	000099	PNEUMONIA	499
1	B	01	094920	HIP FRACTURE	302
1	C	01	900126	>FA	

Manner of Death 1 Date of Injury: Month Day Year  
Injury Description (Y/N)? N

Injury at work Place of Injury C  
Date of Surgery: Month Day Year

Reference: Duration, page 24

External Causes, APPENDIX M, page 191  
Place Code, APPENDIX I, page 111  
Manner of Death, page 54

Lot Control

Year of Death.....1989.....Enter 9  
State of Death.....California.....Enter 05  
Lot Number.....225.....Enter 225  
Shipment Number.....01.....Enter 01  
Coder Status.....1.....Enter 1

Certificate

Certificate Number.....000125.....Enter 125  
Sex.....Male.....Enter 1  
Date of Death.....01-01-89.....Enter 0101  
Age at Death.....22.....Enter 022

Reported as: I(a) Multiple injuries  
(b) Fracture rt. arm  
(c)  
(d)

II

Accident

How Injury Occurred

Auto collision with fixed object

Place of Injury  
Highway

Enter as: I(a) Multiple injuries  
(b) Right arm fracture  
(c)  
(d)

II

Manner of Death

Accident

Place of Injury

Highway

How Injury Occurred:

Auto Collision with fixed object

CERTIFICATE # 000125 State: 05 Sex 1 Record # 0012/0012  
Date of Death: Month 01 Day 01 Age 022

P#	L#	C#	REF#	CAUSE	DUR
1	A	01	097323	MULTIPLE INJURIES	
1	B	01	094911	RIGHT ARM FRACTURE	

Manner of Death 1 Date of Injury: Month Day Year  
Injury Description (Y/N)? Y

P#	L#	C#	REF #	CAUSE	DUR
9	1	01	909632	>B0101680199999901	

Injury at work

Place of Injury K

Date of Surgery:      Month   Day      Year

Reference:      External Causes, APPENDIX M, page 191

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# Illustration 1

TYPE/PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE OTHER SIDE AND HANDBOOK		U.S. STANDARD CERTIFICATE OF DEATH		STATE FILE NUMBER	
LOCAL FILE NUMBER		1. DECEDENT'S NAME (First, Middle, Last)		2. SEX	
		3. DATE OF DEATH (Month, Day, Year)			
4. SOCIAL SECURITY NUMBER		5a. AGE—Last Birthday (Years)	5b. UNDER 1 YEAR Months   Days	5c. UNDER 1 DAY Hours   Minutes	
		6. DATE OF BIRTH (Month, Day, Year)		7. BIRTHPLACE (City and State or Foreign Country)	
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or no)		9a. PLACE OF DEATH (Check only one; see instructions on other side)			
		HOSPITAL: <input type="checkbox"/> Inpatient <input type="checkbox"/> ER/Outpatient <input type="checkbox"/> DDA			
		OTHER: <input type="checkbox"/> Nursing Home <input type="checkbox"/> Residence <input type="checkbox"/> Other (Specify)			
9b. FACILITY NAME (If not institution, give street and number)		9c. CITY, TOWN, OR LOCATION OF DEATH		9d. COUNTY OF DEATH	
10. MARITAL STATUS—Married, Never Married, Widowed, Divorced (Specify)		11. SURVIVING SPOUSE (If wife, give maiden name)		12a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)	
				12b. KIND OF BUSINESS/INDUSTRY	
13a. RESIDENCE—STATE		13b. COUNTY	13c. CITY, TOWN, OR LOCATION		
				13d. STREET AND NUMBER	
13e. INSIDE CITY LIMITS? (Yes or no)		13f. ZIP CODE	14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.) <input type="checkbox"/> No <input type="checkbox"/> Yes		
				15. RACE—American Indian, Black, White, etc. (Specify)	
				16. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)	
17. FATHER'S NAME (First, Middle, Last)		18. MOTHER'S NAME (First, Middle, Maiden Surname)			
19a. INFORMANT'S NAME (Type/Print)		19b. MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)			
20a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Removal from State <input type="checkbox"/> Donation <input type="checkbox"/> Other (Specify)		20b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		20c. LOCATION—City or Town, State	
21a. SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH		21b. LICENSE NUMBER (of Licensee)	22. NAME AND ADDRESS OF FACILITY		
23a. To the best of my knowledge, death occurred at the time, date, and place stated. Signature and Title		23b. LICENSE NUMBER	23c. DATE SIGNED (Month, Day, Year)		
24. TIME OF DEATH M		25. DATE PRONOUNCED DEAD (Month, Day, Year)		26. WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? (Yes or no)	
27. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.  IMMEDIATE CAUSE (Final disease or condition resulting in death) →  Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST		a. DUE TO (OR AS A CONSEQUENCE OF):		Approximate Interval Between Onset and Death	
		b. DUE TO (OR AS A CONSEQUENCE OF):			
		c. DUE TO (OR AS A CONSEQUENCE OF):			
		d. DUE TO (OR AS A CONSEQUENCE OF):			
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.		28a. WAS AN AUTOPSY PERFORMED? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)		
29. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Accident <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Suicide <input type="checkbox"/> Homicide		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY M	30c. INJURY AT WORK? (Yes or no)	30d. DESCRIBE HOW INJURY OCCURRED
		30e. PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)		30f. LOCATION (Street and Number or Rural Route Number, City or Town, State)	
31a. CERTIFIER (Check only one) <input type="checkbox"/> CERTIFYING PHYSICIAN (Physician certifying cause of death when another physician has pronounced death and completed item 23) To the best of my knowledge, death occurred due to the cause(s) and manner as stated. <input type="checkbox"/> PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death) To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner as stated. <input type="checkbox"/> MEDICAL EXAMINER/CORONER On the basis of examination and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.		31b. SIGNATURE AND TITLE OF CERTIFIER		31c. LICENSE NUMBER	
				31d. DATE SIGNED (Month, Day, Year)	
32. NAME AND ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (ITEM 27) (Type/Print)		33. REGISTRAR'S SIGNATURE			
		34. DATE FILED (Month, Day, Year)			

## INSTRUCTIONS FOR SELECTED ITEMS

**Item 9. — Place of Death**

If the death was pronounced in a hospital, check the box indicating the decedent's status at the institution (inpatient, emergency room/outpatient, or dead on arrival (DOA)). If death was pronounced elsewhere, check the box indicating whether pronouncement occurred at a nursing home, residence, or other location. If either is checked, specify where death was legally pronounced, such as a physician's office, the place where the accident occurred, or at work.

**Items 13a-f. — Residence of Decedent**

Residence of the decedent is the place where he or she actually resided. This is not necessarily the same as "home State," or "legal residence." Never enter a temporary residence such as one used during a visit, business trip, or a vacation. Place of residence during a tour of military duty or during attendance at college is not considered as temporary and should be considered as the place of residence.

If a decedent had been living in a facility where an individual usually resides for a long period of time, such as a group home, mental institution, nursing home, penitentiary, or hospital for the chronically ill, report the location of that facility in items 13a through 13f.

If the decedent was an infant who never resided at home, the place of residence is that of the parent(s) or legal guardian. Do not use an acute care hospital's location as the place of residence for any infant.

**Items 23 and 31 — Medical Certification**

The PRONOUNCING PHYSICIAN is the person who determines that the decedent is legally dead but who was not in charge of the patient's care for the illness or condition which resulted in death. Items 23a through 23c are to be completed only when the physician responsible for completing the medical certification of cause of death (Item 27) is not available at time of death to certify cause of death. The pronouncing physician is responsible for completing only items 23 through 26.

The CERTIFYING PHYSICIAN is the person who determines the cause of death (Item 27). This box should be checked only in those cases when the person who is completing the medical certification of cause of death is not the person who pronounced death (Item 23). The certifying physician is responsible for completing items 27 through 32.

The PRONOUNCING AND CERTIFYING PHYSICIAN box should be checked when the same person is responsible for completing items 24 through 32, that is, when the same physician has both pronounced death and certified the cause of death. If this box is checked, items 23a through 23c should be left blank.

The MEDICAL EXAMINER/CORONER box should be checked when investigation is required by the Post Mortem Examination Act and the cause of death is completed by a medical examiner or coroner. The Medical Examiner/Coroner is responsible for completing items 24 through 32.

**Item 27. — Cause of Death**

The cause of death means the disease, abnormality, injury, or poisoning that caused the death, not the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure.

In Part I, the immediate cause of death is reported on line (a). Antecedent conditions, if any, which gave rise to the cause are reported on lines (b), (c), and (d). The underlying cause, should be reported on the last line used in Part I. No entry is necessary on lines (b), (c), and (d) if the immediate cause of death on line (a) describes completely the train of events. **ONLY ONE CAUSE SHOULD BE ENTERED ON A LINE.** Additional lines may be added if necessary. Provide the best estimate of the interval between the onset of each condition and death. Do not leave the interval blank; if unknown, so specify.

In Part II, enter other important diseases or conditions that may have contributed to death but did not result in the underlying cause of death given in Part I.

See examples below.

SEE INSTRUCTIONS ON OTHER SIDE	27. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death
	IMMEDIATE CAUSE (final disease or condition resulting in death) →	a. Rupture of myocardium DUE TO (OR AS A CONSEQUENCE OF)				Mins.
	Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b. Acute myocardial infarction DUE TO (OR AS A CONSEQUENCE OF)				6 days
		c. Chronic ischemic heart disease DUE TO (OR AS A CONSEQUENCE OF)				5 years
CAUSE OF DEATH	PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I: Diabetes, Chronic obstructive pulmonary disease, smoking					28a. WAS AN AUTOPSY PERFORMED? (Yes or no) Yes
29. MANNER OF DEATH		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY	30c. INJURY AT WORK? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no) Yes	
<input checked="" type="checkbox"/> Natural <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Homicide		30d. DESCRIBE HOW INJURY OCCURRED		30e. LOCATION (Street and Number or Rural Route Number, City or Town, State)		

SEE INSTRUCTIONS ON OTHER SIDE	27. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death
	IMMEDIATE CAUSE (final disease or condition resulting in death) →	a. Cerebral laceration DUE TO (OR AS A CONSEQUENCE OF)				10 mins.
	Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b. Open skull fracture DUE TO (OR AS A CONSEQUENCE OF)				10 mins.
		c. Automobile accident DUE TO (OR AS A CONSEQUENCE OF)				10 mins.
CAUSE OF DEATH	PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I:					28a. WAS AN AUTOPSY PERFORMED? (Yes or no) No
29. MANNER OF DEATH		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY	30c. INJURY AT WORK? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no) No	
<input type="checkbox"/> Natural <input type="checkbox"/> Pending Investigation <input checked="" type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Homicide		30d. DESCRIBE HOW INJURY OCCURRED		30e. LOCATION (Street and Number or Rural Route Number, City or Town, State)		
		11/15/85    1 p. M		2-car collision—driver		
		Street		Route 4, Raleigh, North Carolina		

**APPENDIX A - STATE GEOGRAPHIC CODES**

<u>Code</u>	<u>State</u>	<u>Abbrev.</u>	<u>Code</u>	<u>State</u>	<u>Abbrev.</u>
01	Alabama	AL	28	Nebraska	NE
02	Alaska	AK	29	Nevada	NV
03	Arizona	AZ	30	New Hampshire	NH
04	Arkansas	AR	31	New Jersey	NJ
05	California	CA	32	New Mexico	NM
06	Colorado	CO	33	New York	NY
07	Connecticut	CT	34	North Carolina	NC
08	Delaware	DE	35	North Dakota	ND
09	Dist. Columbia	DC	36	Ohio	OH
10	Florida	FL	37	Oklahoma	OK
11	Georgia	GA	38	Oregon	OR
12	Hawaii	HI	39	Pennsylvania	PA
13	Idaho	ID	40	Rhode Island	RI
14	Illinois	IL	41	South Carolina	SC
15	Indiana	IN	42	South Dakota	SD
16	Iowa	IA	43	Tennessee	TN
17	Kansas	KS	44	Texas	TX
18	Kentucky	KY	45	Utah	UT
19	Louisiana	LA	46	Vermont	VT
20	Maine	ME	47	Virginia	VA
21	Maryland	MD	48	Washington	WA
22	Massachusetts	MA	49	West Virginia	WV
23	Michigan	MI	50	Wisconsin	WI
24	Minnesota	MN	51	Wyoming	WY
25	Mississippi	MS	52	Puerto Rico	PR
26	Missouri	MO	53	Virgin Islands	VI
27	Montana	MT	54	Guam	GU
			55	New York City	YC*

\* Code 55 is used for occurrence data only. When coding residence data

on the demographic file, code 33 (New York) must be used.

**APPENDIX B - MICAR ABBREVIATIONS**

<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
		<b>- A -</b>
081852	AAA	ABDOMINAL AORTIC ANEURYSM
098472	AKA	ABOVE KNEE AMPUTATION
076935	AHA	ACQUIRED HEMOLYTIC ANEMIA
076553	AIDS	ACQUIRED IMMUNE DEFICIENCY SYNDROME
076553	AIDS	ACQUIRED IMMUNITY DEFICIENCY SYNDROME
076553	AIDS	ACQUIRED IMMUNODEFICIENCY SYNDROME
	A	ACUTE (SEE EXCEPTION LIST)
080154	ABE	ACUTE BACTERIAL ENDOCARDITIS
077886	ABS	ACUTE BRAIN SYNDROME
079641	ACT	ACUTE CORONARY THROMBOSIS
000802	ADEM	ACUTE DISSEMINATED ENCEPHALOMYELITIS
088009	AGN	ACUTE GLOMERULONEPHRITIS
016055	AGL	ACUTE GRANULOCYTIC LEUKEMIA
000806	AHLE	ACUTE HEMORRHAGIC LEUKOENCEPHALITIS
058052	ALL	ACUTE LYMPHOCYTIC LEUKEMIA
015709	AML	ACUTE MYELOCYTIC LEUKEMIA
000001	AMI	ACUTE MYOCARDIAL INFARCTION
079053	AOM	ACUTE OTITIS MEDIA
088097	ARENFA	ACUTE RENAL FAILURE
093967	ARF	ACUTE RESPIRATORY FAILURE
088077	ATN	ACUTE TUBULAR NECROSIS
058031	ACA	ADENOCARCINOMA
075761	AODM	ADULT ONSET DIABETES MELLITUS
084250	ARDS	ADULT RESPIRATORY DISTRESS SYNDROME
076543	AGG	AGAMMAGLOBULINEMIA
077786	ETOH	ALCOHOL
000007	ALC	ALCOHOLISM
104949	SDAT	ALZHEIMERS TYPE SENILE DEMENTIA
078474	ALS	AMYOTROPHIC LATERAL SCLEROSIS
079868	AP	ANGINA PECTORIS
076544	ADS	ANTIBODY DEFICIENCY SYNDROME
080390	AI	AORTIC INSUFFICIENCY
080384	AR	AORTIC REGURGITATION
098496	AVP	AORTIC VALVE PROSTHESIS
098497	AVR	AORTIC VALVE REPLACEMENT
	APPAR	APPARENT
	APPAR	APPARENTLY
000008	AS	ARTERIOSCLEROSIS
081761	ASO	ARTERIOSCLEROSIS OBLITERANS
080309	ASAD	ARTERIOSCLEROTIC ARTERY DISEASE
080947	ASCRD	ARTERIOSCLEROTIC CARDIORENAL DISEASE
000009	ACVD	ARTERIOSCLEROTIC CARDIOVASCULAR DISEASE
000009	ASCVD	ARTERIOSCLEROTIC CARDIOVASCULAR DISEASE
000010	ASCVHD	ARTERIOSCLEROTIC CARDIOVASCULAR HEART DISEASE

**APPENDIX B - MICAR ABBREVIATIONS**

079331	ASCVR	ARTERIOSCLEROTIC CARDIOVASCULAR RENAL DISEASE
079331	ASCVRD	ARTERIOSCLEROTIC CARDIOVASCULAR RENAL DISEASE
080340	ASCVA	ARTERIOSCLEROTIC CEREBROVASCULAR ACCIDENT
<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
000011	ASCAD	ARTERIOSCLEROTIC CORONARY ARTERY DISEASE
079340	ACD	ARTERIOSCLEROTIC CORONARY DISEASE
079340	ASCD	ARTERIOSCLEROTIC CORONARY DISEASE
000012	ASCHD	ARTERIOSCLEROTIC CORONARY HEART DISEASE
000013	AHD	ARTERIOSCLEROTIC HEART (DISEASE)
000013	ASHD	ARTERIOSCLEROTIC HEART (DISEASE)
081768	ASHF	ARTERIOSCLEROTIC HEART FAILURE
000014	ASHCVD	ARTERIOSCLEROTIC HYPERTENSIVE CARDIOVASCULAR DISEASE
000015	AHHD	ARTERIOSCLEROTIC HYPERTENSIVE HEART DISEASE
000015	ASHHD	ARTERIOSCLEROTIC HYPERTENSIVE HEART DISEASE
080327	ASHVD	ARTERIOSCLEROTIC HYPERTENSIVE VASCULAR DISEASE
105138	ASPD	ARTERIOSCLEROTIC PERIPHERAL DISEASE
081738	ASPV	ARTERIOSCLEROTIC PERIPHERAL VASCULAR DISEASE
000016	ASRD	ARTERIOSCLEROTIC RENAL DISEASE
080310	ASVD	ARTERIOSCLEROTIC VASCULAR DISEASE
082874	ASVHD	ARTERIOSCLEROTIC VASCULAR HEART DISEASE
	AV	ARTERIOVENOUS
093824	ASPH	ASPHYXIATION
096851	ASPIR	ASPIRATION
000017	AT	ATHEROSCLEROSIS
000018	ATCVD	ATHEROSCLEROTIC CARDIOVASCULAR DISEASE
079346	ATCAD	ATHEROSCLEROTIC CORONARY ARTERY DISEASE
000019	ATHD	ATHEROSCLEROTIC HEART DISEASE
000020	ATVD	ATHEROSCLEROTIC VASCULAR DISEASE
000021	AF	ATRIAL FIBRILLATION
090595	ASD	ATRIAL SEPTAL DEFECT
094070	AUP	AUTOPSY PENDING

**- B -**

098514	BKA	BELOW KNEE AMPUTATION
079496	BEH	BENIGN ESSENTIAL HYPERTENSION
088658	BPH	BENIGN PROSTATIC HYPERTROPHY
098517	BSO	BILATERAL SALPINGO-OOPHORECTOMY
098519	BVL	BILATERAL VAS LIGATION
098518	BX	BIOPSY
098521	BXCX	BIOPSY CERVIX
088492	BNO	BLADDER NECK OBSTRUCTION
000002	BADENO	BREAST ADENOCARCINOMA
000022	BCAR	BREAST CARCINOMA
000023	BGCAR	BRONCHIOGENIC CARCINOMA
000024	BPN	BRONCHOPNEUMONIA
080605	BBB	BUNDLE BRANCH BLOCK

**APPENDIX B - MICAR ABBREVIATIONS**

**- C -**

000025	CA	CANCER
000026	CSS	CARCINOMATOSIS
000027	CAR	CARDIAC ARREST
000028	CARRY	CARDIAC ARRHYTHMIA
000029	CFA	CARDIAC FAILURE
<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
000030	CGS	CARDIOGENIC SHOCK
080550	CMY	CARDIOMYOPATHY
000031	CPAR	CARDIOPULMONARY ARREST
000032	CPFA	CARDIOPULMONARY FAILURE
000033	CRAR	CARDIORESPIRATORY ARREST
000034	CRFA	CARDIORESPIRATORY FAILURE
	CARD	CARDIOVASCULAR
080948	CARDA	CARDIOVASCULAR ACCIDENT
000035	CARD	CARDIOVASCULAR DISEASE
000035	CVD	CARDIOVASCULAR DISEASE
080957	CVHD	CARDIOVASCULAR HEART DISEASE
080958	CVI	CARDIOVASCULAR INSUFFICIENCY
079613	CVRD	CARDIOVASCULAR RENAL DISEASE
000036	CU	CAUSE UNKNOWN
	CNS	CENTRAL NERVOUS SYSTEM
000037	CAS	CEREBRAL ARTERIOSCLEROSIS
000038	CERHEM	CEREBRAL HEMORRHAGE
000039	CERI	CEREBRAL INFARCTION
000040	CERT	CEREBRAL THROMBOSIS
000041	CVACC	CEREBRAL VASCULAR ACCIDENT
000280	CSM	CEREBROSPINAL MENINGITIS
	CERV	CEREBROVASCULAR
000041	CERVA	CEREBROVASCULAR ACCIDENT
000041	CVA	CEREBROVASCULAR ACCIDENT
080269	CERVD	CEREBROVASCULAR DISEASE
	C	CHRONIC (SEE EXCEPTION LIST)
082674	CASHD	CHRONIC ARTERIOSCLEROTIC HEART DISEASE
079095	CBD	CHRONIC BRAIN DISEASE
000042	CBS	CHRONIC BRAIN SYNDROME
081709	CCVA	CHRONIC CEREBROVASCULAR ACCIDENT
080770	CCF	CHRONIC CONGESTIVE FAILURE
079960	CCI	CHRONIC CORONARY INSUFFICIENCY
002168	CGL	CHRONIC GRANULOCYTIC LEUKEMIA
084259	CLD	CHRONIC LUNG DISEASE
058057	CLL	CHRONIC LYMPHATIC LEUKEMIA
083880	COAD	CHRONIC OBSTRUCTIVE AIRWAY (DISEASE)
000043	COLD	CHRONIC OBSTRUCTIVE LUNG DISEASE
000044	COPD	CHRONIC OBSTRUCTIVE PULMONARY DISEASE
083826	COPE	CHRONIC OBSTRUCTIVE PULMONARY EMPHYSEMA
000045	COBS	CHRONIC ORGANIC BRAIN SYNDROME

**APPENDIX B - MICAR ABBREVIATIONS**

088035	CRD	CHRONIC RENAL DISEASE
088100	CRENFA	CHRONIC RENAL FAILURE
088044	CRI	CHRONIC RENAL INSUFFICIENCY
085907	CUC	CHRONIC ULCERATIVE COLITIS
083902	CWP	COALWORKERS PNEUMOCONIOSIS
000003	CADENO	COLONIC ADENOCARCINOMA
000046	COLCAR	COLONIC CARCINOMA
083377	CCOLD	COMMON COLD
098552	CDE	COMMON DUCT EXPLORATION
<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
114492	CT	COMPUTER TOMOGRAPHY
	CAT	COMPUTERIZED AXIAL TOMOGRAPHY
	CON	CONGENITAL
080784	CHD	CONGESTIVE HEART (DISEASE)
000047	CHF	CONGESTIVE HEART FAILURE
000048	CORAS	CORONARY ARTERIOSCLEROSIS
000050	CAAS	CORONARY ARTERY ARTERIOSCLEROSIS
000051	CAAT	CORONARY ARTERY ATHEROSCLEROSIS
099063	CABG	CORONARY ARTERY BYPASS GRAFT
104766	CABS	CORONARY ARTERY BYPASS SURGERY
000052	CAD	CORONARY ARTERY DISEASE
000053	CAT	CORONARY ATHEROSCLEROSIS
000055	CORHD	CORONARY HEART DISEASE
000056	CORI	CORONARY INSUFFICIENCY
000057	CORT	CORONARY THROMBOSIS
000587	CID	CYTOMEGALIC INCLUSION DISEASE
000587	CMID	CYTOMEGALIC INCLUSION DISEASE
000833	CMV	CYTOMEGALIC VIRUS
		<b>- D -</b>
000058	DU	DECUBITUS ULCER
082783	DVT	DEEP VEIN THROMBOSIS
089734	DA	DEGENERATIVE ARTHRITIS
089736	DJD	DEGENERATIVE JOINT (DISEASE)
000059	DEH	DEHYDRATION
077542	DT	DELIRIUM TREMENS
000060	DI	DIABETES
000061	DM	DIABETES MELLITUS
075769	DKA	DIABETIC KETOACIDOSIS
075796	DR	DIABETIC RETINOPATHY
	DIG	DIGOXIN [ <b>Begin with 1997 System</b> ]
	D	DISEASE
	DIS	DISSEMINATED
077103	DIC	DISSEMINATED INTRAVASCULAR COAGULATION
092198	DS	DOWNS SYNDROME

**- E -**

**APPENDIX B - MICAR ABBREVIATIONS**

093359	ED	EDEMA
098573	ECG	ELECTROCARDIOGRAM
098573	EKG	ELECTROCARDIOGRAM
098574	ECT	ELECTROCONVULSIVE THERAPY
098575	EEG	ELECTROENCEPHALOGRAM
080627	EMD	ELECTROMECHANICAL DISSOCIATION
098576	EMG	ELECTROMYOGRAM
000062	EMP	EMPHYSEMA
080545	EFE	ENDOCARDIAL FIBROELASTOSIS
080474	EMF	ENDOCARDIAL FIBROSIS
088402	ESRD	ENDSTAGE RENAL DISEASE
000427	E COLI	ESCHERICHIA COLI

<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
079508	EH	ESSENTIAL HYPERTENSION

**- F -**

093408	FTT	FAILURE TO THRIVE
093301	FUO	FEVER UNKNOWN ORIGIN
000063	FX	FRACTURE

**- G -**

000065	GG	GANGRENE
	G	GANGRENOUS
000066	GHEM	GASTRIC HEMORRHAGE
	GI	GASTRO INTESTINAL
000064	GIHEM	GASTRO INTESTINAL HEMORRHAGE
	GE	GASTROESOPHAGEAL
	GI	GASTROINTESTINAL
000067	GIBL	GASTROINTESTINAL BLEEDING
	GEN	GENERALIZED
081795	GAS	GENERALIZED ARTERIOSCLEROSIS
090564	TGV	GREAT VESSELS TRANSPOSITION
000068	GSW	GUNSHOT WOUND(S)

**- H -**

093422	HA	HEADACHE
000069	HTA	HEART ATTACK
000070	HFA	HEART FAILURE
000070	HTF	HEART FAILURE
000070	HTFA	HEART FAILURE
082449	HEM	HEMORRHAGE
089939	HNP	HERNIATED NUCLEUS PULPOSUS
079510	HBP	HIGH BLOOD PRESSURE
	HX	HISTORY
106844	HIV	HUMAN IMMUNODEFICIENCY VIRUS
106841	HTLV	HUMAN TCELL LYMPHOTROPIC VIRUS

**APPENDIX B - MICAR ABBREVIATIONS**

078426	HC	HUNTINGTONS CHOREA
093021	HMD	HYALINE MEMBRANE DISEASE
000071	HPN	HYPERTENSION
000071	HTN	HYPERTENSION
079524	HASCVD	HYPERTENSIVE ARTERIOSCLEROTIC CARDIOVASCULAR DISEASE
079621	HASCVR	HYPERTENSIVE ARTERIOSCLEROTIC CARDIOVASCULAR RENAL DISEASE
000015	HASHD	HYPERTENSIVE ARTERIOSCLEROTIC HEART DISEASE
000072	HASVD	HYPERTENSIVE ARTERIOSCLEROTIC VASCULAR DISEASE
000073	HCVD	HYPERTENSIVE CARDIOVASCULAR DISEASE
079626	HCVRD	HYPERTENSIVE CARDIOVASCULAR RENAL DISEASE
079540	HHD	HYPERTENSIVE HEART (DISEASE)
080068	HPVD	HYPERTENSIVE PULMONARY VASCULAR DISEASE
079516	HVD	HYPERTENSIVE VASCULAR DISEASE

**ERN            ABBR            TERM**

**- I -**

106925	IHSS	IDIOPATHIC HYPERTROPHIC SUBAORTIC STENOSIS
093023	IRDS	IDIOPATHIC RESPIRATORY DISTRESS SYNDROME
077176	ITP	IDIOPATHIC THROMBOCYTOPENIC PURPURA
	IGA	IMMUNOGLOBULIN A [ <b>Begin with 1997 System</b> ]
078242	INE	INFANTILE NECROTIZING ENCEPHALOMYELOPATHY
000554	IH	INFECTIOUS HEPATITIS
083762	FLU	INFLUENZA
093922	INSUF	INSUFFICIENCY
076588	IDD	INSULIN DEPENDENT DIABETES
076588	IDDI	INSULIN DEPENDENT DIABETES
076573	IDDM	INSULIN DEPENDENT DIABETES MELLITUS
090609	IASD	INTERATRIAL SEPTAL DEFECT
090609	ISD	INTERATRIAL SEPTAL DEFECT
	IV	INTERVENOUS
000074	IO	INTESTINAL OBSTRUCTION
	IV	INTRAVENOUS
081215	IVH	INTRAVENTRICULAR HEMORRHAGE
076816	IDA	IRON DEFICIENCY ANEMIA
000075	IHD	ISCHEMIC HEART (DISEASE)

**- K -**

075790	KW	KIMMELSTIEL WILSON SYNDROME
091998	KFS	KLIPPEL FEIL SYNDROME

**- L -**

098634	LAP	LAPAROTOMY
083778	LTB	LARYNGOTRACHEOBRONCHITIS
	LT	LEFT

**APPENDIX B - MICAR ABBREVIATIONS**

080602	LBBB	LEFT BUNDLE BRANCH BLOCK
	LLL	LEFT LOWER LOBE
	LLQ	LEFT LOWER QUADRANT
	LML	LEFT MIDDLE LOBE
	LUL	LEFT UPPER LOBE
	LUQ	LEFT UPPER QUADRANT
	LV	LEFT VENTRICLE
080817	LVF	LEFT VENTRICULAR FAILURE
080993	LVH	LEFT VENTRICULAR HYPERTROPHY
000076	LIVCA	LIVER CANCER
000077	LIVCAR	LIVER CARCINOMA
000078	LIVCIR	LIVER CIRRHOSIS
092962	LBW	LOW BIRTH WEIGHT
	LL	LOWER LOBE
000004	LADENO	LUNG ADENOCARCINOMA
000079	LCA	LUNG CANCER
000080	LCAR	LUNG CARCINOMA
089468	LE	LUPUS ERYTHEMATOSUS
089643	LN	LUPUS NEPHRITIS

**ERN      ABBR      TERM**  
**- M -**

	MAL	MALIGNANT
079488	MALHTN	MALIGNANT HYPERTENSION
000081	MALN	MALNUTRITION
088047	MGN	MEMBRANOUS GLOMERULONEPHRITIS
000082	MES	METASTASES
000083	MIS	METASTASIS
	M	METASTATIC
000084	MADENO	METASTATIC ADENOCARCINOMA
000085	MBCAR	METASTATIC BREAST CARCINOMA
011319	MBGCAR	METASTATIC BRONCHOGENIC CARCINOMA
000086	MCA	METASTATIC CANCER
000087	MCAR	METASTATIC CARCINOMA
000088	MCOCAR	METASTATIC COLONIC CARCINOMA
000089	MLCA	METASTATIC LUNG CANCER
000090	MLCAR	METASTATIC LUNG CARCINOMA
000091	MPRCAR	METASTATIC PROSTATIC CARCINOMA
	MRS	METHICILLIN RESISTANT STAPHYLOCOCCAL [ <b>Begin with 1997 System</b> ]
	MRSA	METHICILLIN RESISTANT STAPHYLOCOCCAL AUREUS [ <b>Begin with 1997 System</b> ]
	MRSAU	METHICILLIN RESISTANT STAPHYLOCOCCAL AUREUS
079368	MS	MITRAL STENOSIS
082742	MVR	MITRAL VALVE REGURGITATION
122120	MAC	MYCOBACTERIUM AVIUM COMPLEX [ <b>Begin with 1997 System</b> ]

**APPENDIX B - MICAR ABBREVIATIONS**

108197	MBAI	MYCOBACTERIUM AVIUM INTRACELLULARE
098658	MUA	MYELOGRAM
	MAI	MYCOBACTERIUM AVIUM INTRACELLULARE [ <b>Begin with 1997 System</b> ]
000092	MI	MYOCARDIAL INFARCTION
		<b>- N -</b>
	NG	NASOGASTRIC
093924	NC	NATURAL CAUSES
000329	NEC	NECROTIZING ENTEROCOLITIS
	NEG	NEGATIVE
076235	NPD	NIEMANN PICK DISEASE
108312	NIDD	NON INSULIN DEPENDENT DIABETES
108312	NIDDI	NON INSULIN DEPENDENT DIABETES
076590	NIDDM	NON INSULIN DEPENDENT DIABETES MELLITUS
075705	NTG	NONTOXIC GOITER
089939	HNP	NUCLEUS PULPOSUS HERNIATION
		<b>- O -</b>
084384	OAD	OBSTRUCTIVE AIRWAY (DISEASE)
000093	OCVA	OLD CEREBROVASCULAR ACCIDENT
000094	OMI	OLD MYOCARDIAL INFARCTION
108410	ORIF	OPEN REDUCTION INTERNAL FIXATION
<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
000095	OBS	ORGANIC BRAIN SYNDROME
081075	OHD	ORGANIC HEART DISEASE
077568	OMS	ORGANIC MENTAL SYNDROME
089744	OA	OSTEOARTHRITIS
079057	OM	OTITIS MEDIA
000096	OCAR	OVARIAN CARCINOMA
		<b>- P -</b>
000005	PADENO	PANCREATIC ADENOCARCINOMA
000097	PANCAR	PANCREATIC CARCINOMA
000098	PKD	PARKINSON(S) (DISEASE)
080650	PAT	PAROXYSMAL ATRIAL TACHYCARDIA
080656	PVT	PAROXYSMAL VENTRICULAR TACHYCARDIA
090899	PDA	PATENT DUCTUS ARTERIOSUS
114586	PEGT	PERCUTANEOUS ENDOSCOPIC GASTROSTOMY TUBE
081948	PVD	PERIPHERAL VASCULAR DISEASE
081950	PVI	PERIPHERAL VASCULAR INSUFFICIENCY
000099	PN	PNEUMONIA
084097	PX	PNEUMOTHORAX
092376	PCD	POLYCYSTIC DISEASE
011677	PCV	POLYCYTHEMIA VERA
	POSS	POSSIBLE
	POSS	POSSIBLY

**APPENDIX B - MICAR ABBREVIATIONS**

000200	PO	POST OPERATIVE
088928	PPH	POSTPARTUM HEMORRHAGE
080702	PAC	PREMATURE AURICULAR CONTRACTION
089145	PROM	PREMATURE RUPTURE MEMBRANES
080713	PVC	PREMATURE VENTRICULAR CONTRACTURE
000100	PREM	PREMATURITY
	PROB	PROBABLE
	PROB	PROBABLY
079005	PMD	PROGRESSIVE MUSCULAR DYSTROPHY
077142	PPT	PROLONGED PROTHROMBIN TIME
000006	PRADEN	PROSTATIC ADENOCARCINOMA
000101	PRCA	PROSTATIC CANCER
000102	PRCAR	PROSTATIC CARCINOMA
	PUL	PULMONARY
090971	PAS	PULMONARY ARTERY STENOSIS
000103	PULEM	PULMONARY EMBOLISM
084301	PULI	PULMONARY INSUFFICIENCY
084227	PIE	PULMONARY INTERSTITIAL EMPHYSEMA
080037	PTE	PULMONARY THROMBOEMBOLISM
		<b>- R -</b>
098688	RND	RADIAL NECK DISSECTION
085904	RE	REGIONAL ENTERITIS
000104	RENFA	RENAL FAILURE
088155	RTA	RENAL TUBULAR ACIDOSIS
082257	RVT	RENAL VEIN THROMBOSIS
<b>ERN</b>	<b>ABBR</b>	<b>TERM</b>
	RESP	RESPIRATORY
000105	RAR	RESPIRATORY ARREST
093026	RDS	RESPIRATORY DISTRESS SYNDROME
000106	RFA	RESPIRATORY FAILURE
011706	RCS	RETICULUM CELL SARCOMA
011706	RSA	RETICULUM CELL SARCOMA
079479	RHD	RHEUMATIC HEART (DISEASE)
089703	RA	RHEUMATOID ARTHRITIS
	RT	RIGHT
080603	RBBB	RIGHT BUNDLE BRANCH BLOCK
	RLL	RIGHT LOWER LOBE
	RLQ	RIGHT LOWER QUADRANT
081403	RMCAT	RIGHT MIDDLE CEREBRAL ARTERY THROMBOSIS
	RML	RIGHT MIDDLE LOBE
	RUL	RIGHT UPPER LOBE
	RUQ	RIGHT UPPER QUADRANT
080997	RVH	RIGHT VENTRICULAR HYPERTROPHY
	RO	RULE OUT
000107	RAAA	RUPTURED ABDOMINAL AORTIC ANEURYSM

**APPENDIX B - MICAR ABBREVIATIONS**

**- S -**

098697	SO	SALPINGO OOPHORECTOMY
000108	SEPT	SEPTICEMIA
000576	SH	SERUM HEPATITIS
093590	SOB	SHORTNESS BREATH
080729	SSS	SICK SINUS SYNDROME
087074	SBO	SMALL BOWEL OBSTRUCTION
015697	SCCA	SQUAMOUS CELL CANCER
058045	SCC	SQUAMOUS CELL CARCINOMA
000109	SW	STAB WOUND
000110	STAPH	STAPHYLOCOCCAL
000110	STAPH	STAPHYLOCOCCUS
	SP	STATUS POST
000111	STCAR	STOMACH CARCINOMA
000112	STREP	STREPTOCOCCAL
000112	STREP	STREPTOCOCCUS
080239	SBE	SUBACUTE BACTERIAL ENDOCARDITIS
	SUBD	SUBDURAL
093589	SDII	SUDDEN DEATH IN INFANCY
093806	SDS	SUDDEN DEATH SYNDROME
093807	SICD	SUDDEN INFANT CRIB DEATH
093808	SID	SUDDEN INFANT DEATH
000113	SIDS	SUDDEN INFANT DEATH SYNDROME
093635	SUD	SUDDEN UNEXPECTED DEATH
093662	SUID	SUDDEN UNEXPECTED INFANT DEATH
080736	SVT	SUPRAVENTRICULAR TACHYCARDIA
	SY	SYNDROME
076574	SIADH	SYNDROME OF INAPPROPRIATE ANTIDIURETIC HORMONE
089649	SLE	SYSTEMIC LUPUS ERYTHEMATOSUS

**ERN            ABBR            TERM**

**- T -**

090571	TF	TETRALOGY OF FALLOT
077181	TP	THROMBOCYTOPENIC PURPURA
082085	TTP	THROMBOTIC THROMBOCYTOPENIC PURPURA
109657	THA	TOTAL HIP ARTHROPLASTY
084802	TEF	TRACHEOESOPHAGEAL FISTULA
081517	TCI	TRANSIENT CEREBRAL ISCHEMIA
081518	TIA	TRANSIENT ISCHEMIC ATTACK
109685	TCC	TRANSITIONAL CELL CARCINOMA
090564	TGV	TRANSPOSED GREAT VESSELS
098715	TUR	TRANSURETHRAL RESECTION
098716	TURP	TRANSURETHRAL RESECTION PROSTATE
079426	TI	TRICUSPID INSUFFICIENCY
098717	TL	TUBAL LIGATION
000926	TB	TUBERCULOSIS
000926	TBC	TUBERCULOSIS

**APPENDIX B - MICAR ABBREVIATIONS**

**- U -**

085916	UC	ULCERATIVE COLITIS
093870	UNK	UNKNOWN
000036	CU	UNKNOWN CAUSE
	UGI	UPPER GASTROINTESTINAL
	UL	UPPER LOBE
083416	URI	UPPER RESPIRATORY INFECTION
000114	UTI	URINARY TRACT INFECTION

**- V -**

000229	VD	VENEREAL DISEASE
080758	VENAR	VENTRICULAR ARRHYTHMIA
000115	VF	VENTRICULAR FIBRILLATION
090588	VSD	VENTRICULAR SEPTAL DEFECT
080657	VT	VENTRICULAR TACHYCARDIA
000584	VH	VIRAL HEPATITIS

**- W -**

	WK	WEEK
	WK	WEEKS
080623	WPW	WOLFE PARKINSON(S) WHITE SYNDROME
080623	WPW	WOLFF PARKINSON(S) WHITE SYNDROME

**- Z -**

075834	ZE	ZOLLINGER ELLISON
075834	ZE	ZOLLINGER ELLISON SYNDROME

(EXCEPTIONS LIST on following page)

## APPENDIX B - MICAR ABBREVIATIONS

### EXCEPTIONS LIST

Under normal circumstances, the word acute can be abbreviated by using the letter A, and the word chronic can be abbreviated using the letter C. However, in the following circumstances, the words ACUTE and CHRONIC must be entered full text. Failure to do this will result in a totally different term.

#### TERM:

Acute Cancer  
Acute Cardiovascular Disease  
Acute Gangrene  
Acute Downs Syndrome  
Acute Headache  
Acute Hepatitis  
Acute Hypertensive Heart Disease  
Acute Respiratory Distress Syndrome  
Acute Salpingo Oophorectomy

#### MICAR ENTRY:

ACUTE CA  
ACUTE CVD  
ACUTE GG  
ACUTE DS  
ACUTE HA  
ACUTE HEPATITIS  
ACUTE HHD  
ACUTE RDS  
ACUTE SO  
  
CHRONIC AR  
CHRONIC AS  
CHRONIC AT  
CHRONIC ATHD  
CHRONIC COLD  
CHRONIC HEPATITIS  
CHRONIC VD  
CHRONIC RAR  
CHRONIC RFA

Chronic Aortic regurgitation  
Chronic Arteriosclerosis  
Chronic Atherosclerosis  
Chronic Atherosclerotic Heart Disease  
Chronic Cold  
Chronic Hepatitis  
Chronic Venereal Disease  
Chronic Respiratory Arrest  
Chronic Respiratory Failure

**APPENDIX C - ACCEPTABLE ALTERNATE LEAD TERM LIST**

**- B -**

BLUNT FORCE INJURY  
BLUNT FORCE TRAUMA  
BLUNT FORCE TRAUMAS  
BLUNT IMPACT INJURIES  
BLUNT IMPACT INJURY  
BLUNT IMPACT TRAUMA  
BLUNT INJURIES  
BLUNT INJURY  
BLUNT TRAUMA  
BLUNT TRAUMAS  
BULLET WOUND

PUNCTURE STAB WOUND  
PUNCTURE WOUND

**- R -**

RHEUMATOID ARTHRITIS

**- S -**

STAB WOUND

(This is an all inclusive list)

**- C -**

CRUSH INJURIES  
CRUSH INJURY  
CRUSHING INJURIES  
CRUSHING INJURY

**- D -**

DECUBITUS ULCER  
DEGENERATIVE ARTHRITIS

**- G -**

GUNSHOT WOUND

**- I -**

IMPACT INJURY  
INCISED KNIFE WOUND  
INCISED STAB WOUND  
INCISED WOUND

**- K -**

KNIFE WOUND

**- P -**

PATHOLOGICAL FRACTURE  
PENETRATING INJURY  
PENETRATING KNIFE WOUND  
PENETRATING STAB WOUND  
PENETRATING WOUND  
PERFORATING KNIFE WOUND  
PERFORATING STAB WOUND  
PERFORATING WOUND  
PIERCING KNIFE WOUND  
PIERCING STAB WOUND  
PUNCTURE KNIFE WOUND

**APPENDIX D - ACCEPTABLE MODIFICATIONS TO ORDER OF ENTRY**

ABE	ACUTE BACTERIAL ENDOCARDITIS
ABS	ACUTE BRAIN SYNDROME
ACT	ACUTE CORONARY THROMBOSIS
ADEM	ACUTE DISSEMINATED ENCEPHALOMYELITIS
AGN	ACUTE GLOMERULONEPHRITIS
AGL	ACUTE GRANULOCYTIC LEUKEMIA
AHLE	ACUTE HEMORRHAGIC LEUKOENCEPHALITIS
ALL	ACUTE LYMPHOCYTIC LEUKEMIA
AMI	ACUTE MYOCARDIAL INFARCTION
AOM	ACUTE OTITIS MEDIA
ARENFA	ACUTE RENAL FAILURE
ARF	ACUTE RESPIRATORY FAILURE
ATN	ACUTE TUBULAR NECROSIS
AVH	ACUTE VIRAL HEPATITIS
CBD	CHRONIC BRAIN DISEASE
CBS	CHRONIC BRAIN SYNDROME
CCVA	CHRONIC CEREBROVASCULAR ACCIDENT
CCF	CHRONIC CONGESTIVE FAILURE
CCI	CHRONIC CORONARY INSUFFICIENCY
CGL	CHRONIC GRANULOCYTIC LEUKEMIA
CLD	CHRONIC LUNG DISEASE
CLL	CHRONIC LYMPHATIC LEUKEMIA
COAD	CHRONIC OBSTRUCTIVE AIRWAY (DISEASE)
COLD	CHRONIC OBSTRUCTIVE LUNG DISEASE
COPD	CHRONIC OBSTRUCTIVE PULMONARY DISEASE
COPE	CHRONIC OBSTRUCTIVE PULMONARY EMPHYSEMA
COBS	CHRONIC ORGANIC BRAIN SYNDROME
CRD	CHRONIC RENAL DISEASE
CRENFA	CHRONIC RENAL FAILURE
CRI	CHRONIC RENAL INSUFFICIENCY
CUC	CHRONIC ULCERATIVE COLITIS

(This is an all inclusive list)

APPENDIX E - NON-MEDICAL TERMS LIST

**TERM**

**- A -**

ACTUALLY DIED WITHOUT DISEASE

**- B -**

BED BOUND STATUS  
BED PATIENT  
BED RIDDEN CONDITION  
BEDFAST  
BEDREST  
BEDRIDDEN  
BEDRIDDEN STATUS

**- C -**

CAUSE NEVER DETERMINED  
CAUSE NOT DETERMINED  
CAUSE NOT FOUND  
CAUSE NOT KNOWN  
CAUSES OF DEATH NOT DETERMINED  
CAUSES OF DEATH UNCERTAIN  
CONVALESCENT  
COT DEATH  
CRADLE DEATH  
CRIB DEATH  
CRIB DEATH SYNDROME

**- D -**

DEATH  
DECOMPOSED REMAINS  
DECOMPOSING BODY  
DIED SUDDENLY  
DIRECT CAUSE UNKNOWN  
DROPPED DEAD

**- E -**

EPISODIC SUDDEN DEATH  
ETIOLOGY NEVER DETERMINED  
ETIOLOGY NOT CLEAR  
ETIOLOGY NOT DETERMINED  
ETIOLOGY NOT KNOWN  
ETIOLOGY UNEXPLAINED

**- F -**

FATAL SYNCOPE  
FELL DEAD

FINAL EVENT UNDETERMINED  
FORCED RECUMBENCY  
FOUND DEAD

**TERM**

**- I -**

IMMEDIATE CAUSE NOT DETERMINED  
IMMEDIATE CAUSE UNKNOWN  
IMMEDIATE CAUSES OF DEATH UNKNOWN  
IMMEDIATE CAUSES UNDETERMINED  
INACTIVITY  
INFANT DEATH SYNDROME  
INSTANT DEATH  
INSTANTANEOUS DEATH

**- L -**

LYING IN BED

**- M -**

MAL SLEEP APNEA  
MIXED CENTRAL SLEEP APNEA

**- N -**

NATURAL  
NATURAL CAUSES  
NATURAL DEATH  
NATURAL DISEASE  
NO SPECIFIC ETIOLOGY IDENTIFIED  
NO SPECIFIC KNOWN CAUSES  
NONSPECIFIC CAUSES  
NONSPECIFIC ETIOLOGY  
NOT DETERMINED  
NOT KNOWN

**- O -**

OBSCURE ETIOLOGY  
OBSTRUCTIVE SLEEP APNEA

**- P -**

PROLONGED RECUMBENCY

**- Q -**

QUESTIONABLE CAUSE  
QUESTIONABLE ETIOLOGY

**APPENDIX E - NON-MEDICAL TERMS LIST**

**- S -**

SEQUESTRATION  
SITTING IN CHAIR  
SLEEP APNEA  
SLEEP APNEA SYNDROME  
SUDDEN DEATH  
SUDDEN DEATH CAUSE UNKNOWN  
SUDDEN DEATH EPISODE  
SUDDEN DEATH EVENT  
SUDDEN DEATH IN INFANCY  
SUDDEN DEATH SYNDROME  
SUDDEN DEATH UNEXPLAINED  
SUDDEN INFANCY DEATH  
SUDDEN INFANT CRIB DEATH  
SUDDEN INFANT DEATH  
SUDDEN INFANT DEATH SYNDROME  
SUDDEN INSTANT DEATH SYNDROME  
SUDDEN UNEXPECTED DEATH  
SUDDEN UNEXPECTED INFANT DEATH  
SUDDEN UNEXPLAINED DEATH

UNEXPLAINED CAUSE  
UNKNOWN  
UNKNOWN CAUSE  
UNKNOWN DISEASE  
UNKNOWN ETIOLOGY  
UNKNOWN NATURAL CAUSES  
UNSPECIFIED  
UNSPECIFIED CAUSE

**- U -**

UNABLE TO AMBULATE  
UNATTENDED DEATH  
UNCERTAIN  
UNCERTAIN CAUSE  
UNCERTAIN CONTRIBUTING MULTIPLE  
FACTORS  
UNCERTAIN ETIOLOGY  
UNCERTAIN NATURAL CAUSES  
UNCERTAIN UNDERLYING CAUSE  
UNCLEAR  
UNCLEAR CAUSE  
UNCLEAR ETIOLOGY  
UNDETERMINED  
UNDETERMINED CAUSE  
UNDETERMINED CAUSE OF DEATH  
UNDETERMINED ETIOLOGY  
UNDETERMINED IMMEDIATE CAUSES  
UNDETERMINED NATURAL CAUSES  
UNDETERMINED NATURAL DISEASE  
UNDETERMINED SUDDEN INFANT DEATH  
SYNDROME  
UNEXPECTED SUDDEN ADULT DEATH  
SYNDROME  
UNEXPECTED SUDDEN DEATH  
UNEXPECTED SUDDEN INFANT DEATH

APPENDIX E - NON-MEDICAL TERMS LIST

APPENDIX F - NEOPLASMS LIST I - UNIQUE TERMS

ERN	TERM
58086	ACUTE ERYTHREMIA
11638	CACHEXIA CANCER
58032	CANCER CACHEXIA
58033	CANCINOGENESIS INTOXICATION
58034	CANCEROUS CACHEXIA
40303	CANCEROUS GOITER
58036	CARCINOMA CACHEXIA
57835	CARCINOMATOUS CACHEXIA
58160	DERMOID OVARIAN CYST
58092	ERYTHREMIA
10359	LYMPHORETICULAR PROLIFERATIVE DISORDER
58038	MALIGNANT CACHEXIA
40307	MALIGNANT GOITER
58266	MYELOPROLIFERATION SYNDROME
58163	PSEUDOMUCINOUS OVARIAN CYST
58269	RETICULAR PROLIFERATIVE DISORDER
58154	SUBEPIDERMAL FIBROSIS

APPENDIX F - NEOPLASMS LIST II & III

LIST II - DESCRIPTIVE WORDS (NOT ALL INCLUSIVE)

LIST III - TERMS WITH "TO"

TERM

BENIGN  
BLAST CELL  
BLASTIC (BLAST)  
BLASTIC (BLAST)  
CRISIS  
BLASTIC (BLAST)  
TRANSFORMATION

DIFFUSE  
DIFFUSE TYPE  
DIFFUSED  
DISSEMINATED  
DISTANT

EXTENSIVE

GENERAL  
GENERALIZED  
GRADE III  
GRADE IV

INFILTRATING  
INFLAMMATORY  
INVASIVE

LOCAL  
LOCAL DISTANT

MALIGNANT  
METASTATIC  
MULTIPLE

NECROTIC  
NECROTIZING

OBSTRUCTED  
OBSTRUCTIVE  
OLD

TERM

ORIGIN (ORIGINATED IN)

PERFORATING  
PRIMARY (1<sup>0</sup>)  
PRIMARY SITE  
PROBABLE  
PROGRESSIVE

RECURRENT  
RESIDUAL

SECONDARY  
STAGE D  
STAGE I  
STAGE IB  
STAGE II  
STAGE III  
STAGE IIIB  
STAGE IV  
STAGE IVB  
SYSTEMIC

TERMINAL  
TYPE UNDETERMINED  
TYPE UNKNOWN

UNCLASSIFIED  
UNKNOWN TYPE

WIDELY  
WIDELY DISSEMINATED  
WIDELY METASTATIC  
WIDELY SPREAD  
WIDESPREAD

TERM

"CELL TYPE" TO  
MALIGNANCY TO  
METASTASES TO  
METASTASIS TO  
METASTATIC "CELL TYPE" TO  
METASTATIC DISEASE TO  
METASTATIC LESION TO  
METASTATIC TO

NOTE: "CELL TYPE" FOUND IN LIST VI

APPENDIX F - NEOPLASMS LIST IV - BODY SITES

LIST IV - BODY SITES

**-A-**

ABDOMINAL  
ABDOMINAL AORTA  
ABDOMINAL CAVITY  
ABDOMINAL LYMPH GLAND  
ABDOMINAL LYMPH NODE  
ABDOMINAL ORGAN  
ABDOMINAL VENA CAVA  
ABDOMINAL VISCERA  
ABDOMINAL WALL  
ACETABULAR  
ACOUSTIC  
ACROMIAL  
ACROMIAL PROCESS  
ADENOID  
ADNEXA  
ADRENAL  
ADRENAL CORTEX  
ADRENAL CORTICAL  
ADRENAL GLAND  
ADRENAL MEDULLA  
ALIMENTARY  
ALIMENTARY CANAL  
ALIMENTARY TRACT  
ALL OVER BODY  
ALVEOLAR  
ALVEOLAR MUCOSA  
ALVEOLAR PROCESS  
ALVEOLAR RIDGE  
ALVEOLAR RIDGE MUCOSA  
ALVEOLUS  
AMPULLA OF VATER  
ANAL  
ANAL CANAL  
ANAL MARGIN  
ANAL SKIN  
ANAL SPHINCTER  
ANKLE  
ANORECTAL  
ANORECTAL JUNCTION  
ANTECUBITAL FOSSA  
ANTECUBITAL SPACE  
ANTERIOR FOSSA  
ANTRUM  
AORTIC

AORTIC BODY  
APONEUROSIS  
APPENDICEAL  
APPENDIX  
ARACHNOID  
AREOLA  
ARM  
ARM BONE  
ARTERIAL  
ASCENDING COLON  
AUDITORY CANAL  
AUDITORY NERVE  
AURICLE EAR  
AURICULAR  
AURICULAR CANAL  
AURICULAR CARTILAGE  
AUTONOMIC NERVE  
AUTONOMIC NERVOUS SYSTEM  
AXILLA  
AXILLARY  
AXILLARY FOLD  
AXILLARY LYMPH GLAND  
AXILLARY LYMPH NODE

**-B-**

BACK  
BACK BONE  
BARTHOLINS GLAND  
BASAL GANGLIA  
BILE DUCT  
BILE TRACT  
BILIARY  
BILIARY DUCT  
BILIARY TRACT  
BILIARY TREE  
BLADDER  
BLADDER NECK  
BLADDER ORIFICE  
BLADDER WALL  
BLOOD  
BLOOD VESSEL  
BODY  
BONE  
BONE CARTILAGE  
BONE MARROW

BONY  
BONY STRUCTURES  
BOTH LUNGS  
BOWEL  
BRACHIAL PLEXUS  
BRAIN  
BRAIN MENINGES  
BRAIN STEM  
BREAST  
BREAST AREOLA  
BRONCHIAL  
BRONCHIOALVEOLAR  
BRONCHIOGENIC  
BRONCHIOLAR  
BRONCHIOLE  
BRONCHOGENIC  
BRONCHUS CARINA  
BROW  
BUCCAL  
BUCCAL CAVITY  
BUCCAL MUCOSA  
BURSA  
BUTTOCK  
  
-C-  
CALF  
CALVARIUM  
CANTHUS  
CANTHUS EYE  
CAPILLARY  
CARDIA  
CARDIAC ATRIUM  
CARDIAC ORIFICE  
CARDIAC ORIFICE STOMACH  
CARDIAC VENTRICLE  
CARDIOESOPHAGEAL  
CARDIOESOPHAGEAL JUNCTION  
CARDIOESOPHAGUS  
CARINA  
CAROTID  
CAROTID ARTERY  
CAROTID BODY  
CAUDA EQUINA  
CECAL  
CELIAC LYMPH GLAND  
CELIAC LYMPH NODE  
CENTRAL NERVOUS SYSTEM  
CEREBELLAR  
CEREBELLOPONTINE

CEREBRAL  
CEREBRAL ARACHNOID  
CEREBRAL CORTEX  
CEREBRAL DURA  
CEREBRAL HEMISPHERE  
CEREBRAL MENINGES  
CEREBRAL PEDUNCLE  
CEREBRAL TENTORIUM  
CEREBRAL VENTRICLE  
CEREBRAL WHITE MATTER  
CERVICAL  
CERVICAL ESOPHAGEAL  
CERVICAL ESOPHAGUS  
CERVICAL LYMPH GLAND  
CERVICAL LYMPH NODE  
CERVICAL NODE  
CERVICAL REGION  
CERVICAL SPINAL CORD  
CERVIX  
CERVIX CANAL  
CERVIX STUMP  
CERVIX UTERI  
CHEEK  
CHEEK MUCOSA  
CHEST  
CHEST WALL  
CHIASMA OPTICUM  
CHIN  
CHOLEDOCHAL DUCT  
CHOROID  
CHOROID PLEXUS  
CILINARY BODY  
CLAVICLE  
CLAVICULAR AREA  
CLITORIS  
CLOACOGENIC  
CLOACOGENIC ZONE  
COCCYGEAL BODY  
COCCYGEAL GLOMUS  
COCCYGEAL VERTEBRA  
COCCYX  
COLIC LYMPH GLAND  
COLIC LYMPH NODE  
COLONIC  
COLORECTAL  
COMMON BILE DUCT  
COMMON BILIARY DUCT  
COMMON CYSTIC DUCT  
COMMON DUCT

COMMON DUCT GLAND  
COMMON DUCT LYMPH GLAND  
COMMON DUCT LYMPH NODE  
CONCHA  
CONCHA NOSE  
CONJUNCTIVA  
CONJUNCTIVAL  
CONNECTIVE TISSUE  
CORPUS CALLOSUM  
CORPUS STRIATUM  
CORPUS UTERI  
CORPUS UTERUS  
CORTICAL  
COSTAL CARTILAGE  
COWPERS GLAND  
CRANIAL  
CRANIAL BONE  
CRANIAL FOSSA  
CRANIAL MENINGES  
CRANIAL NERVE  
CRANIOPHARYNGEAL  
CRANIOPHARYNGEAL DUCT  
CRANIOPHARYNGEAL POUCH  
CRERBRAL DURA  
CRICOID CARTILAGE  
CUTANEOUS  
CYSTIC BILIARY DUCT  
CYSTIC DUCT

**-D-**

DESCENDING COLON  
DIAPHRAGMATIC  
DIAPHRAGMATIC LYMPH GLAND  
DIAPHRAGMATIC LYMPH NODE  
DIGESTIVE ORGAN  
DIGESTIVE SYSTEM  
DIGESTIVE TRACT  
DISTAL COLON  
DISTAL ESOPHAGEAL  
DISTAL ESOPHAGUS  
DOUGLAS CUL DE SAC  
DOUGLAS POUCH  
DUODENAL  
DURA  
DURA MATER

**-E-**

EAR  
EAR AURICLE CARTILAGE

EAR CANAL  
EAR CARTILAGE  
EARLOBE  
ELBOW  
ELBOW BONE  
ENDOCARDIAL  
ENDOCERVIX  
ENDOCERVIX CANAL  
ENDOCERVIX GLAND  
ENDOMETRIAL  
EPICARDIAL  
EPIDURAL  
EPIGLOTTIC  
EPIGLOTTIC CARTILAGE  
EPIGLOTTIS  
ESOPHAGEAL  
ESOPHAGOGASTRIC  
ESOPHAGOGASTRIC JUNCTION  
ETHMOID BONE  
ETHMOID SINUS  
ETHMOIDAL  
ETHMOIDAL SINUS  
EUSTACHIAN TUBE  
EXTERNAL AUDITORY CANAL  
EXTERNAL AURICULAR CANAL  
EXTERNAL CHEEK  
EXTERNAL EAR  
EXTERNAL MEATUS  
EXTERNAL MEATUS EAR  
EXTERNAL NOSE  
EXTRAHEPATIC BILE DUCT  
EXTRAHEPATIC GALL DUCT  
EXTREMITY  
EYE  
EYEBROW  
EYELID

**-F-**

FACE BONE  
FACIAL  
FALLOPIAN TUBE  
FALSE VOCAL CORD  
FEMORAL  
FIBULA  
FINGER  
FLANK  
FLOOR MOUTH  
FOOT  
FOREARM

FOREARM BONE  
FOREHEAD  
FOURTH VENTRICLE  
FRONTAL BONE  
FRONTAL LOBE  
FRONTOOCCIPITAL  
FRONTOPARIETAL  
FRONTOTEMPORAL

**-G-**

GALL DUCT  
GALLBLADDER  
GARTNERS DUCT  
GASTRIC  
GASTRIC CARDIA  
GASTRIC LYMPH GLAND  
GASTRIC LYMPH NODE  
GASTROESOPHAGEAL  
GASTROESOPHAGEAL AREA  
GASTROESOPHAGEAL JUNCTION  
GASTROESOPHAGEAL REGION  
GASTROINTESTINAL  
GASTROINTESTINAL AREA  
GASTROINTESTINAL REGION  
GASTROINTESTINAL TRACT  
GENITAL ORGAN  
GENITOURINARY TRACT  
GINGIVA  
GLAND  
GLOTTIC  
GLOTTIS  
GLUTEAL REGION  
GREAT VESSELS  
GROIN  
GROIN LYMPH GLAND  
GROIN LYMPH NODE  
GUM  
GYNECOLOGICAL

**-H-**

HAND  
HARD PALATE  
HEAD  
HEART  
HEEL  
HEPATIC  
HEPATIC BILE DUCT  
HEPATIC DUCT  
HEPATIC FLEXURE

HEPATIC FLEXURE COLON  
HEPATIC LYMPH GLAND  
HEPATIC LYMPH NODE  
HEPATOBIILIARY  
HIGHMORE ANTRUM  
HILAR LYMPH GLAND  
HILAR LYMPH NODE  
HILUM  
HILUS  
HIP  
HIP BONE  
HUMERUS  
HYPOPHARYNGEAL  
HYPOPHYSIS  
HYPOTHALAMIC

**-I-**

ILEAL  
ILEOCECAL  
ILEOCECAL JUNCTION  
ILEOCECAL VALVE  
ILEOCOLIC LYMPH GLAND  
ILEOCOLIC LYMPH NODE  
ILEUM  
ILIAC  
ILIAC LYMPH GLAND  
ILIAC LYMPH NODE  
ILIUM  
INFERIOR MAXILLA  
INFERIOR VENA CAVA  
INFRACLAVICULAR  
INFRACLAVICULAR REGION  
INGUINAL  
INGUINAL LYMPH GLAND  
INGUINAL LYMPH NODE  
INGUINAL REGION  
INNER CANTHUS  
INNER EAR  
INNOMINATE  
INTERCOSTAL LYMPH GLAND  
INTERCOSTAL LYMPH NODE  
INTERLOBULAR BILE DUCT  
INTERLOBULAR BILIARY  
INTERLOBULAR BILIARY CANAL  
INTERNAL AUDITORY CANAL  
INTERNAL AURICULAR CANAL  
INTERNAL CAPSULE  
INTERNAL CHEEK  
INTERNAL NOSE

INTERNAL OS  
INTERSCAPULAR REGION  
INTESTINAL  
INTESTINAL LYMPH GLAND  
INTESTINAL LYMPH NODE  
INTESTINAL TRACT  
INTRAABDOMINAL  
INTRAABDOMINAL LYMPH GLAND  
INTRAABDOMINAL LYMPH NODE  
INTRACRANIAL  
INTRADUCTAL  
INTRAHEPATIC BILE DUCT  
INTRAHEPATIC GALL DUCT  
INTRAORBITAL  
INTRAPELVIC LYMPH GLAND  
INTRAPELVIC LYMPH NODE  
INTRATHORACIC CAVITY  
INTRATHORACIC LYMPH GLAND  
INTRATHORACIC LYMPH NODE  
INTRATHORACIC ORGAN  
ISCHIAL  
ISCHIORECTAL  
ISCHIORECTAL FOSSA  
ISLANDS OF LANGERHANS  
ISLETS OF LANGERHANS

**-J-**

JAW  
JAW BONE  
JEJUNAL

**-K-**

KIDNEY  
KIDNEY AREA  
KIDNEY CALYX  
KIDNEY HILUS  
KIDNEY PELVIC  
KIDNEY PELVIS  
KIDNEY REGION  
KNEE  
KNEE BONE

**-L-**

LABIA  
LABIUM  
LACRIMAL GLAND  
LARGE BOWEL  
LARGE INTESTINAL  
LARGE INTESTINE

LARYNGEAL  
LARYNGEAL COMMISSURE  
LARYNGOPHARYNGEAL  
LARYNGOPHARYNX  
LEFT COLONIC  
LEFT TEMPOROPARIETAL AREA  
LEG  
LEG BONE  
LID  
LIMB  
LINGUAL  
LINGUAL TONSIL  
LIP  
LIVER  
LOWER ALVEOLAR  
LOWER ALVEOLAR MUCOSA  
LOWER ALVEOLAR RIDGE  
LOWER ALVEOLAR RIDGE MUCOSA  
LOWER ESOPHAGEAL  
LOWER ESOPHAGUS  
LOWER EXTREMITY  
LOWER EYELID  
LOWER GINGIVA  
LOWER GUM  
LOWER JAW BONE  
LOWER LID  
LOWER LIMB  
LOWER LIP  
LOWER LOBE  
LUMBAR LYMPH GLAND  
LUMBAR LYMPH NODE  
LUMBAR SPINAL CORD  
LUMBAR SPINE  
LUMBOSACRAL PLEXUS  
LUNG  
LUNG ALVEOLAR  
LUNG HILUS  
LYMPH  
LYMPH GLAND  
LYMPH NODE  
LYMPHATIC  
LYMPHATIC CHANNEL  
LYMPHATIC GLAND  
LYMPHATIC VESSEL

**-M-**

MAIN BRONCHUS  
MANDIBLE  
MANDIBULAR GINGIVA

MARROW  
MASTOID  
MASTOID ANTRUM  
MASTOID BONE  
MAXILLA  
MAXILLARY  
MAXILLARY ALVEOLAR MUCOSA  
MAXILLARY ALVEOLAR RIDGE  
MAXILLARY ANTRUM  
MAXILLARY GINGIVA  
MAXILLARY SINUS  
MECKELS DIVERTICULUM  
MEDIASTINAL  
MEDIASTINAL LYMPH GLAND  
MEDIASTINAL LYMPH NODE  
MEDULLA OBLONGATA  
MENINGEAL  
MESENTERIC  
MESENTERIC LYMPH GLAND  
MESENTERIC LYMPH NODE  
MESOAPPENDIX  
MESOCOLON  
MESOPHARYNX  
MIDBRAIN  
MIDDLE EAR  
MIDDLE ESOPHAGEAL  
MIDDLE ESOPHAGUS  
MIDDLE LOBE  
MOUTH  
MOUTH FLOOR  
MYOCARDIAL  
MYOMETRIAL  
**-N-**  
NASAL  
NASAL BONE  
NASAL CARTILAGE  
NASAL CAVITY  
NASAL MUCOSA  
NASAL SEPTUM  
NASAL SINUS  
NASAL SKIN  
NASAL TURBINATE  
NASOPHARYNGEAL  
NASOPHARYNGEAL WALL  
NASOPHARYNX  
NECK  
NECK LYMPH GLAND  
NECK LYMPH NODE  
NERVE

NERVOUS SYSTEM  
NIPPLE  
NOSE BONE  
NOSTRIL

**-O-**

OCCIPITAL BONE  
OCCIPITAL LOBE  
OCCIPITAL POLE  
OCCIPITOFRONTAL  
OCCIPITOPARIETAL  
OCCIPITOTEMPORAL  
OMENTAL  
OMENTUM  
ORAL  
ORAL CAVITY  
ORAL MUCOSA  
ORBIT  
ORBIT BONE  
ORBITAL  
OROPHARYNGEAL  
OUTER CANTHUS  
OVARIAN  
OVIDUCT

**-P-**

PALATE  
PALMAR APONEUROSIS  
PANCREAS TAIL  
PANCREATIC  
PANCREATIC BODY  
PANCREATIC DUCT  
PANCREATIC HEAD  
PANCREATIC ISLET CELLS  
PANCREATIC TAIL  
PANCREATIC TAIL  
PAPILLA OF VATER  
PARARECTAL  
PARIETAL BONE  
PARIETAL LOBE  
PAROTID  
PAROTID DUCT  
PAROTID GLAND  
PAROTID LYMPH GLAND  
PAROTID LYMPH NODE  
PELVIC  
PELVIC BONE  
PELVIC COLON  
PELVIC FLOOR

PELVIC LYMPH GLAND  
PELVIC LYMPH NODE  
PELVIC VISCERA  
PELVIC WALL  
PELVIRECTAL JUNCTION  
PELVIS  
PELVIURETERIC JUNCTION  
PENIS  
PERIANAL  
PERICARDIAL  
PERINEAL  
PERIPANCREATIC  
PERIPHERAL NERVE  
PERIRECTAL  
PERITONEAL  
PERITONEAL CAVITY  
PHARYNGEAL  
PHARYNGEAL REGION  
PHARYNGEAL WALL  
PIA MATER  
PINEAL GLAND  
PIRIFORM FOSSA  
PIRIFORM SINUS  
PITUITARY  
PITUITARY FOSSA  
PITUITARY GLAND  
PITUITARY LOBE  
PLANTAR APONEUROSIS  
PLEURA  
PLEURAL  
PLEURAL CAVITY  
PONS  
POPLITEAL FOSSA  
POPLITEAL SPACE  
POSTERIOR FOSSA  
PREPUCE  
PREPYLORIC  
PREPYLORIC AREA  
PREPYLORIC REGION  
PREPYLORUS  
PROSTATIC  
PROSTATIC GLAND  
PROXIMAL ESOPHAGEAL  
PROXIMAL ESOPHAGUS  
PUBIC BONE  
PULMONARY  
PULMONARY LYMPH GLAND  
PULMONARY LYMPH NODE  
PULMONARY PARENCHYMA

PYLORIC  
PYLORIC ANTRUM  
PYLORIC LYMPH GLAND  
PYLORIC LYMPH NODE  
PYLORUS  
PYRIFORM FOSSA  
PYRIFORM SINUS  
  
-R-  
RADIUS  
RECTAL  
RECTOSIGMOID  
RECTOSIGMOID AREA  
RECTOSIGMOID COLON  
RECTOSIGMOID JUNCTION  
RECTOSIGMOID REGION  
RECTOVAGINAL SEPTUM  
RECTOVESICAL SEPTUM  
RECTUM  
RECTUM AND COLON  
RENAL  
RENAL CALYX  
RENAL PELVIC  
RENAL PELVIS  
RETINA  
RETINAL  
RETRO ABDOMINAL  
RETROCECAL  
RETROMOLAR  
RETROMOLAR AREA  
RETROPERITONEAL  
RETROPERITONEAL LYMPH GLAND  
RETROPERITONEAL LYMPH NODE  
RETROPERITONEUM  
RETROPHARYNGEAL  
RETROPHARYNGEAL LYMPH GLAND  
RETROPHARYNGEAL LYMPH NODE  
RIB  
RIGHT COLON

-S-  
SACRAL  
SACRAL VERTEBRA  
SACROCOCCYGEAL REGION  
SALIVARY DUCT  
SALIVARY GLAND  
SCALENE LYMPH GLAND  
SCALENE LYMPH NODE  
SCALP

SCAPULA  
SCAPULAR REGION  
SCROTAL  
SELLA TURCICA  
SHOULDER  
SHOULDER BONE  
SIGMOID  
SIGMOID COLON  
SIGMOID COLONIC  
SIGMOID FLEXURE  
SIGMOID FLEXURE COLON  
SIGMOIDAL COLONIC  
SINUS  
SKELETAL  
SKELETON  
SKIN  
SKULL  
SMALL BOWEL  
SMALL INTESTINAL  
SMALL INTESTINE  
SOFT PALATE  
SOFT TISSUE  
SPHENOID BONE  
SPHINCTER OF ODDI  
SPINAL  
SPINAL ARACHNOID  
SPINAL COLUMN  
SPINAL CORD  
SPINAL DURA  
SPINAL MENINGES  
SPLENIC  
SPLENIC FLEXURE  
SPLENIC FLEXURE COLON  
SPLENIC LYMPH GLAND  
SPLENIC LYMPH NODE  
STERNAL  
STOMACH  
STOMACH ANTRUM  
STOMACH CARDIA  
STOMACH FUNDUS  
SUBDURAL  
SUBGLOTTIC  
SUBGLOTTIS  
SUBHEPATIC AREA  
SUBHEPATIC REGION  
SUBLINGUAL  
SUBMANDIBULAR GLAND  
SUBMAXILLARY DUCT  
SUBMAXILLARY GLAND

SUBMENTAL  
SUPERIOR MAXILLA  
SUPERIOR MAXILLARY  
SUPERIOR VENA CAVA  
SUPRACLAVICULAR LYMPH GLAND  
SUPRACLAVICULAR LYMPH NODE  
SUPRACLAVICULAR REGION  
SUPRAGLOTTIC  
SUPRAGLOTTIS  
SUPRARENAL  
SUPRARENAL GLAND  
SUPRASELLAR REGION

**-T-**

TEMPORAL  
TEMPORAL BONE  
TEMPORAL LOBE  
TEMPORAL POLE  
TEMPORAL REGION  
TEMPOROFRONTAL  
TEMPOROCCIPITAL  
TEMPOROPARIETAL  
TEMPOROPONTINE  
TENTORIAL  
TENTORIUM  
TESTICLE  
TESTIS  
THALAMIC  
THALAMUS  
THIGH  
THIRD VENTRICLE  
THORACIC  
THORACIC AORTA  
THORACIC AREA  
THORACIC BONE  
THORACIC CAVITY  
THORACIC ESOPHAGEAL  
THORACIC ESOPHAGUS  
THORACIC LYMPH GLAND  
THORACIC LYMPH NODE  
THORACIC SPINAL CORD  
THORACIC SPINE  
THORACIC WALL  
THORAX BONE  
THROAT  
THUMB  
THYMIC  
THYMIC GLAND  
THYMUS

THYROGLOSSAL DUCT  
THYROID  
THYROID GLAND  
TIBIA  
TOE  
TONGUE  
TONSIL  
TONSIL PILLAR  
TONSILLAR  
TONSILLAR FOSSA  
TRACHEAL  
TRACHEAL CARINA  
TRACHEAL CARTILAGE  
TRANSVERSE COLON  
TRANSVERSE COLONIC  
TRUNK  
TURBINATE BONE  
TYMPANIC CAVITY

**-U-**

ULNA  
UMBILICAL  
UMBILICUS  
UPPER ALVEOLAR  
UPPER ALVEOLAR MUCOSA  
UPPER ALVEOLAR RIDGE  
UPPER ALVEOLAR RIDGE MUCOSA  
UPPER BACK  
UPPER ESOPHAGEAL  
UPPER ESOPHAGUS  
UPPER EXTREMITY  
UPPER EYELID  
UPPER GINGIVA  
UPPER GUM  
UPPER JAW BONE  
UPPER LID  
UPPER LIMB  
UPPER LIP  
UPPER LOBE  
UPPER LOBE CAVITY  
UPPER LUNG  
UPPER STOMACH  
URETERAL  
URETHRAL  
URETHROVAGINAL  
URETHROVAGINAL SEPTUM  
URINARY BLADDER  
URINARY BLADDER NECK  
URINARY BLADDER ORIFICE

URINARY BLADDER WALL  
URINARY ORGAN  
URINARY SYSTEM  
UTERINE  
UTERINE ADNEXA  
UTERINE BODY  
UTERINE CERVIX  
UTERINE CORPUS  
UTERINE FUNDUS  
UVULA

**-V-**

VAGINAL  
VAGINAL WALL  
VAGINOVESICAL  
VAGINOVESICAL SEPTUM  
VENA CAVA  
VENTRICLE  
VERTEBRA COLUMN  
VERTEBRAL  
VERTEBRAL COLUMN  
VESICOVAGINA  
VESICOVAGINAL  
VESICOVAGINAL SEPTUM  
VISCERAL  
VOCAL CORD  
VULVA

**-W-**

WHITE MATTER  
WRIST



APPENDIX F - NEOPLASMS LIST V - SPECIAL WORDS

TERM

DIFFERENTIATED  
DIFFERENTIATED TYPE

LOBULAR

POOR DIFFERENTIATED  
POORLY DIFFERENTIATED

UNDIFFERENTIATED  
UNDIFFERENTIATED TYPE

WELL DIFFERENTIATED

APPENDIX F - NEOPLASMS LIST VI - CELL TYPES OR LEAD TERM

**-A-**

ACIDOPHIL CANCER  
ACIDOPHIL CARCINOMA  
ADENOCARCINOMA  
ADENOCARCINOMATOSIS  
ADENOFIBROMA  
ADENOID CYSTIC CARCINOMA  
ADENOMA  
ADENOMATOUS POLYP  
ADENOMATOUS POLYPOSIS  
ADENOSARCOMA  
ADENOSQUAMOUS (CELL) CANCER  
ADENOSQUAMOUS (CELL) CARCINOMA  
ALEUKEMIC LEUKEMIA  
ALVEOLAR ADENOCARCINOMA  
ALVEOLAR CARCINOMA  
ALVEOLAR CANCER  
ALVEOLAR CELL CANCER  
ALVEOLAR CELL CARCINOMA  
ALVEOLAR RHABDOMYOSARCOMA  
ANAPLASTIC ADENOCARCINOMA  
ANAPLASTIC ASTROCYTOMA  
ANAPLASTIC CANCER  
ANAPLASTIC CARCINOMA  
ANAPLASTIC FULMINANT CANCER  
ANAPLASTIC FULMINANT CARCINOMA  
ANGIOBLASTIC MENINGIOMA  
ANGIOBLASTOMA  
ANGIOMA  
ANGIOMYOSARCOMA  
ANGIOSARCOMA  
APOCRINE CANCER  
APOCRINE CARCINOMA  
ASTROBLASTOMA  
ASTROCYTOMA  
ASTROGLIOMA

**-B-**

BASAL CELL CANCER  
BASAL CELL CARCINOMA  
BASAL CELL EPITHELIOMA  
BASOPHIL ADENOCARCINOMA  
BASOPHIL CANCER  
BASOPHIL CARCINOMA  
BILE DUCT TYPE CANCER  
BILE DUCT TYPE CARCINOMA

**-C-**

C CELL CANCER  
C CELL CARCINOMA  
CANCER  
CARCINOID  
CARCINOID MALIGNANCY  
CARCINOID TUMOR  
CARCINOMA  
CARCINOMATOSIS  
CAVERNOUS HEMANGIOMA  
CAVERNOUS LYMPHANGIOMA  
CHEMODECTOMA  
CHOLANGIOCARCINOMA  
CHOLANGIOHEPATOMA  
CHOLANGIOMA  
CHONDROSARCOMA  
CHORDOMA  
CHORIOCARCINOMA  
CHORIOEPITHELIOMA  
CHORIONIC CANCER  
CHORIONIC CARCINOMA  
CHROMOPHOBE ADENOCARCINOMA  
CHROMOPHOBE ADENOMA  
CHROMOPHOBE CANCER  
CHROMOPHOBE CARCINOMA  
CLEAR CELL ADENOCARCINOMA  
CONGENITAL LEUKEMIA  
CRANIOPHARYNGIOMA  
CYLINDROMA  
CYSTADENOCARCINOMA

**-D-**

DERMATOFIBROMA  
DERMATOFIBROSARCOMA  
DI GUGLIELMOS DISEASE  
DISEASE  
DUCT CELL CARCINOMA  
DUCTAL CANCER  
DUCTAL CARCINOMA  
DUCTAL CELL CARCINOMA  
DUKES ADENOCARCINOMA  
DUKES CANCER  
DYSGERMINOMA

**-E-**

EATON LAMBERT SYNDROME

EMBRYOMA  
EMBRYONAL ADENOCARCINOMA  
EMBRYONAL CANCER  
EMBRYONAL CARCINOMA  
EOSINOPHIL ADENOCARCINOMA  
EOSINOPHIL CANCER  
EOSINOPHIL CARCINOMA  
EPENDYMOBLASTOMA  
EPENDYMOMA  
EPIDERMOID CANCER  
EPIDERMOID CARCINOMA  
EPIDERMOID CYSTIC TUMOR  
EPITHELIOMA  
ERYTHREMIC MYELOSIS  
ERYTHROCYTHEMIA  
ERYTHROLEUKEMIA  
EWINGS SARCOMA  
EWINGS TUMOR

**-F-**

FAMILIAL POLYPOSIS  
FIBROID  
FIBROID TUMOR  
FIBROLIPOMA  
FIBROLIPOSARCOMA  
FIBROMA  
FIBROMYOMA  
FIBROMYOSARCOMA  
FIBROMYXOLIPOMA  
FIBROMYXOSARCOMA  
FIBROSARCOMA  
FIBROUS HISTIOCYTOMA  
FOLLICULAR ADENOCARCINOMA  
FOLLICULAR LYMPHOMA

**-G-**

GANGLIOGLIOMA  
GARDNERS SYNDROME  
GASTRINOMA  
GASTROCARCINOMA  
GERM CELL CARCINOMA  
GIANT CELL CANCER  
GIANT CELL CARCINOMA  
GIANT CELL LEUKEMIA  
GLIOBLASTOMA  
GLIOBLASTOMA MULTIFORME  
GLIOMA  
GLIOSARCOMA  
GLOMANGIOMA

GRANULOCYTIC LEUKEMIA  
GRANULOCYTIC LEUKEMIA BLAST CRISIS  
GRANULOSA CELL CANCER  
GRANULOSA CELL CARCINOMA  
GROWTH

**-H-**

HEMANGIOENDOTHELIOMA  
HEMANGIOMA  
HEMANGIOPERICYTOMA  
HEMANGIOSARCOMA  
HEMOLEUKEMIA  
HEPATOBLASTOMA  
HEPATOCARCINOMA  
HEPATOCELLULAR CANCER  
HEPATOCELLULAR CARCINOMA  
HEPATOCHOLANGIOCARCINOMA  
HEPATOCHOLANGIOLITIC CANCER  
HEPATOCHOLANGIOLITIC CARCINOMA  
HEPATOMA  
HISTIOCYTIC LEUKEMIA  
HISTIOCYTIC LYMPHOMA  
HISTIOCYTOMA  
HODGKINS DISEASE  
HODGKINS DISEASE LYMPHOCYTE  
DEPLETED  
HODGKINS LYMPHOMA  
HURTHLE CELL ADENOCARCINOMA  
HURTHLE CELL ADENOMA  
HURTHLE CELL CANCER  
HURTHLE CELL CARCINOMA  
HYGROMA  
HYPERNEPHROMA

**-I-**

IMMUNOBLASTIC SARCOMA  
IMMUNOLYMPHOSARCOMA  
INFILTRATING DUCT ADENOCARCINOMA  
INFILTRATING DUCT CANCER  
INFILTRATING DUCT CARCINOMA  
INFILTRATING DUCT CELL CANCER  
INFILTRATING DUCT CELL CARCINOMA  
INFILTRATING DUCTAL CARCINOMA  
INFILTRATING LOBULAR CARCINOMA  
INFLAMMATORY CANCER  
INFLAMMATORY CARCINOMA  
INSULINOMA  
INSULOMA  
INTRADUCTAL CANCER

INTRADUCTAL CARCINOMA  
ISLET CELL ADENOCARCINOMA  
ISLET CELL ADENOMA  
ISLET CELL CANCER  
ISLET CELL CARCINOMA

**-K-**

KAPOSI SARCOMA  
KAPOSI SARCOMA  
KASABACH MERRITT SYNDROME  
KRUKENBERGS TUMOR

**-L-**

LARGE CELL ANAPLASTIC CANCER  
LARGE CELL ANAPLASTIC CARCINOMA  
LARGE CELL CANCER  
LARGE CELL CARCINOMA  
LARGE CELL LYMPHOMA  
LARGE CELL TUMOR  
LEIOMYOSARCOMA  
LESION  
LEUCOSARCOMA  
LEUKEMIA  
LEUKEMIC CRISIS  
LEUKEMIC INFILTRATE  
LEUKEMIC INFILTRATION  
LEUKEMIC LYMPHOSARCOMA  
LEUKOLYMPHOSARCOMA  
LEUKOSARCOMA  
LINITIS PLASTICA  
LIPOBLASTOMA  
LIPOBLASTOMATOSIS  
LIPOFIBROMA  
LIPOMA  
LIPOMYOSARCOMA  
LIPOMYXOMA  
LIPOMYXOSARCOMA  
LIPOSARCOMA  
LOBULAR CARCINOMA  
LYMPHANGIOSARCOMA  
LYMPHANGIOSARCOMA  
LYMPHATIC LEUKEMIA  
LYMPHOCYTIC LEUKEMIA  
LYMPHOCYTIC LYMPHOMA  
LYMPHOCYTIC LYMPHOSARCOMA  
LYMPHOGENOUS LEUKEMIA  
LYMPHOHISTIOCYTIC LYMPHOMA  
LYMPHOID LEUKEMIA  
LYMPHOLEUKEMIA

LYMPHOMA  
LYMPHOMATOUS DISEASE  
LYMPHOPROLIFERATIVE DISEASE  
LYMPHOPROLIFERATIVE DISORDER  
LYMPHORETICULARPROLIFERATIVE  
DISEASE  
LYMPHORETICULARPROLIFERATIVE  
DISORDER  
LYMPHORETICULUM CELL LEUKEMIA  
LYMPHOSARCOMA  
LYMPHOSARCOMA CELL LEUKEMIA  
LYMPHOSARCOMA LEUKEMIA

**-M-**

MALIGNANCY  
MASS  
MEDULLARY CARCINOMA  
MEDULLOBLASTOMA  
MEGAADENOMA  
MEGAKARYOCYTIC LEUKEMIA  
MEGAKARYOCYTIC MYELOSCLEROSIS  
MEGAKARYOCYTOID LEUKEMIA  
MEGALOLEUKEMIA  
MEIGS SYNDROME  
MELANOMA  
MENINGIOMA  
MESENCHYMOMA  
MESOEPITHELIOMA  
MESOTHELIOMA  
METASTASES  
METASTASIS  
MICROGLIOMA  
MIXED CELL LEUKEMIA  
MIXED CELL LYMPHOMA  
MIXED LEUKEMIA  
MONOCYTIC LEUKEMIA  
MONOCYTOID LEUKEMIA  
MONOLEUKEMIA  
MONOLEUKOCYTIC LEUKEMIA  
MONOMYELOCYTIC LEUKEMIA  
MONOMYELOGENOUS LEUKEMIA  
MUCINOUS ADENOCARCINOMA  
MUCINOUS ADENOFIBROMA  
MUCINOUS CANCER  
MUCINOUS CARCINOMA  
MUCINOUS CYSTADENOCARCINOMA  
MUCINOUS CYSTADENOCARCOMA  
MUCINOUS CYSTADENOMA

MUCOEPIDERMOID CANCER  
MUCOEPIDERMOID CARCINOMA  
MUCOID CELL ADENOCARCINOMA  
MULTIPLE MYELOMA  
MYELOGENOUS LEUKEMIA  
MYELOID LEUKEMIA  
MYELOLEUKEMIA  
MYELOMA  
MYELOMONOCYTIC LEUKEMIA  
MYELOPROLIFERATIVE DISEASE  
MYELOPROLIFERATIVE DISORDER  
MYELOPROLIFERATIVE SYNDROME  
MYELOSIS  
MYOLIPOSARCOMA  
MYOMA  
MYXOFIBROSARCOMA  
MYXOLIPOSARCOMA  
MYXOPAPILLARY EPENDYMOMA  
MYXOSARCOMA

**-N-**

NEOPLASM  
NEOPLASTIC DISEASE  
NEPHROBLASTOMA  
NEPHROMA  
NEURILEMMOMA  
NEURILEMMOSARCOMA  
NEUROBLASTOMA  
NEUROFIBROMATOSIS  
NEUROFIBROSARCOMA  
NEUROGENIC SARCOMA  
NODULAR LYMPHCYTIC LEUKEMIA  
NODULAR LYMPHOMA  
NON HODGKINS LYMPHOMA  
NON OAT CELL CARCINOMA  
NON SMALL CELL CARCINOMA

**-O-**

OAT CELL CANCER  
OAT CELL CARCINOMA  
OLIGODENDROBLASTOMA  
OLIGODENDROGLIOMA  
ORCHIOBLASTOMA  
OSTEOCHONDROSARCOMA  
OSTEOFIBROSARCOMA  
OSTEOGENIC SARCOMA  
OSTEOSARCOMA

**-P-**

PANCOAST SYNDROME  
PANCOAST TUMOR  
PANCOASTS SYNDROME  
PANCOASTS TUMOR  
PAPILLARY ADENOCARCINOMA  
PAPILLARY CANCER  
PAPILLARY CARCINOMA  
PAPILLARY EPENDYMOMA  
PAPILLARY SEROUS ADENOCARCINOMA  
PAPILLARY SEROUS CYSTADENOCARCINOMA  
PAPILLARY TRANSITIONAL (CELL)  
CARCINOMA  
PHEOCHROMOBLASTOMA  
PHEOCHROMOCYTOMA  
PINEALOBLASTOMA  
PINEALOMA  
PINEOBLASTOMA  
PINEOCYTOMA  
PLASMA CELL LEUKEMIA  
PLASMA CELL MYELOMA  
PLASMACYTIC MYELOMA  
PLASMACYTOMA  
POLYCYTHEMIA  
POLYCYTHEMIA RUBRA VERA  
POLYCYTHEMIA VERA  
POLYP  
POLYPOSIS  
PROMYELOCYTIC LEUKEMIA  
PSEUDOFOLLICULAR LEUKEMIA  
PSEUDOMUCINOUS ADENOCARCINOMA  
PSEUDOMUCINOUS CANCER  
PSEUDOMUCINOUS CARCINOMA  
PSEUDOMUCINOUS CYSTADENOCARCINOMA

**-R-**

RECKLINGHAUSENS DISEASE  
RENAL CELL ADENOCARCINOMA  
RENAL CELL CANCER  
RENAL CELL CARCINOMA  
RETICULARPROLIFERATIVE DISEASE  
RETICULOENDOTHELIAL TUMOR  
RETICULUM CELL SARCOMA  
RETINOBLASTOMA  
RHABDOMYOSARCOMA  
RHABDOSARCOMA  
ROUND CELL CANCER  
ROUND CELL CARCINOMA

**-S-**

SARCOMA  
SARCOMATOSIS  
SCHILLING TYPE MONOCYTIC LEUKEMIA  
SCHWANNOMA  
SCIRRHOUS CARCINOMA  
SEMINOMA  
SEROUS ADENOCARCINOMA  
SEROUS ADENOFIBROMA  
SEROUS CYSTADENOCARCINOMA  
SIGNET CELL ADENOCARCINOMA  
SIPPLES SYNDROME  
SMALL CELL CANCER  
SMALL CELL CARCINOMA  
SMALL CELL LYMPHOMA  
SPINDLE CELL CANCER  
SPINDLE CELL CARCINOMA  
SQUAMOUS CANCER  
SQUAMOUS CARCINOMA  
SQUAMOUS CELL CANCER  
SQUAMOUS CELL CARCINOMA  
STEM CELL LEUKEMIA  
SUBEPENDYMOMA  
SUBLEUKEMIC LEUKEMIA  
SYNOVIAL SARCOMA

**-W-**

WDHA SYNDROME  
WILMS TUMOR

**-T-**

T CELL LEUKEMIA  
T CELL LYMPHOMA  
TERATOMA  
THECA CELL CANCER  
THECA CELL CARCINOMA  
THECOMA  
THROMBOCYTHEMIA  
THROMBOCYTIC LEUKEMIA  
THYMOMA  
TRANSITIONAL (CELL) CANCER  
TRANSITIONAL (CELL) CARCINOMA  
TRANSITIONAL CELL TUMOR  
TUMOR

**-V-**

VAGUEZ DISEASE  
VAGUEZ OSLER DISEASE  
VERNET MORRISON SYNDROME  
VERRUCOUS CARCINOMA  
VILLOUS ADENOCARCINOMA  
VILLOUS ADENOMA  
VON RECKLINGHAUSENS DISEASE  
VON RECKLINGHAUSENS TUMOR



**APPENDIX G - CONVERSION LIST FOR DRUGS, ALCOHOL, FUMES, GASES**

If reported circumstance is	Convert Circumstance to
ingested toxic amount injected toxic amount took toxic amount toxic amount toxic effects toxic reaction, toxicity	toxicity
excessive amount of drug ingested or ingestion excessive amount injected or injection excessive amount ingested overdose or overdosage ingestion overdose or overdosage injected overdose or overdosage injection overdose or overdosage overdose or overdosage overdose or overdosage taken took excessive amount took overdose took wrong drug wrong dose given wrong dose taken wrong drug given wrong drug taken	overdose
poisoned, poisoning toxic poisoning	poisoning

administration, administered adverse effect drank, drunk given ingested, ingestion ingested undetermined or unknown amount injected, injection intake self administration, self administered took, taken took undetermined or unknown amount	ingestion
--	-----------

**CONVERSION LIST FOR DRUGS, ALCOHOL, FUMES, GASES - continued**

If reported circumstance is	Convert Circumstance to
breathed inhaled, inhalation	inhalation
intoxicated, intoxication	intoxication
alcohol and drug synergism combination of alcohol and drugs combined action alcohol and drugs combined alcohol and drug intoxication combined effects of alcohol and drugs combined overdose of alcohol and drugs ingestion of combined overdose of alcohol and drugs mixed alcohol and drug intoxication mixed effects of alcohol and drugs mixed overdose alcohol and drugs synergistic effects of alcohol and drugs	alcohol poisoning; drug poisoning

APPENDIX H - INJURIES LISTING

- A -

ABRASION  
ACID BURN (ANY DEGREE)  
AIR EMBOLUS  
AIR POLLUTION  
ALLERGIC BEE STING REACTION  
ALLERGIC REACTION  
ALLERGIC SHOCK  
ALLERGY  
ALLERGY REACTION  
AMPUTATION  
ANAPHYLACTIC REACTION STING  
ANAPHYLACTIC SHOCK STING  
ANIMAL BITE  
ASPHYXIATION  
ASPIRATION  
AVULSION

- B -

BATTERED BABY (SYNDROME)  
BATTERED CHILD (SYNDROME)  
BEE STING  
BEE STING ALLERGIC REACTION  
BEE STING ALLERGY  
BEE STING HYPERSENSITIVITY  
BITE  
BLACK WIDOW SPIDER BITE (SYNDROME)  
BLAST INJURY  
BLAST SYNDROME  
BLAST TRAUMA  
BLUNT FORCE IMPACT INJURY  
BLUNT FORCE INJURY  
BLUNT FORCE TO SITE  
BLUNT FORCE TRAUMA  
BLUNT IMPACT INJURY  
BLUNT IMPACT TO SITE  
BLUNT IMPACT TRAUMA  
BLUNT INJURY  
BLUNT TRAUMA  
BLUNT TRAUMA INJURY  
BROKEN  
BRUISE  
BULLET WOUND  
BURN (ANY DEGREE) (ANY %)

BURN DAMAGE  
BURN INJURY  
BURNED  
BURNED BEYOND RECOGNITION  
BURNED TO DEATH

- C -

CARBON MONOXIDE  
CARBON MONOXIDE ASPHYXIA  
CARBON MONOXIDE GASES  
CARBON MONOXIDE LEVEL SATURATION  
(ANY %)  
CARBON MONOXIDE SATURATION (ANY %)  
CARBOXYHEMOGLOBIN (ANY %)  
CARBOXYHEMOGLOBINEMIA  
CHARRED  
CHEMICAL BURN (ANY DEGREE)  
CHILD ABUSE  
CHILD MALTREATMENT (SYNDROME)  
CHILD NEGLECT  
CHOKED  
CHOKED TO DEATH  
COLD EFFECTS  
COLD EXPOSURE  
COMPRESSION ASPHYXIA  
CONCUSSION  
CONTUSION  
CREMATION  
CRUSHED  
CRUSHING (SYNDROME)  
CRUSHING ASPHYXIATION  
CRUSHING INJURY  
CRUSHING TRAUMA  
CUT  
CUT WOUND

- D -

DAMAGE  
DECAPITATION  
DECEREBRATION  
DISLOCATION  
DISMEMBERMENT  
DISRUPTION  
DROWNING

DROWNING ANOXIA

- E -

ELECTRIC CURRENT EFFECTS  
ELECTRIC SHOCK  
ELECTRICAL BURN  
ELECTRICAL INJURY  
ELECTRICAL SHOCK  
ELECTROCUTION  
ENVIRONMENTAL EXPOSURE  
ENVIRONMENTAL HYPERPYREXIA  
ENVIRONMENTAL HYPERTHERMIA  
ENVIRONMENTAL HYPOTHERMIA  
EVISCERATION  
EXPOSURE  
EXPOSURE TO ELEMENTS  
EXPOSURE TO ENVIRONMENT

- F -

FAMINE  
FAT EMBOLISM (SYNDROME)  
FIREARMS INJURY  
FIREARMS WOUND  
FISH STING  
FLAME BURN  
FOOD DEPRIVATION  
FOOD INSUFFICIENCY  
FRACTURE  
FRACTURE DISLOCATION  
FRACTURE INJURY  
FREEZING  
FRICTION BURN  
FROSTBITE  
FROZE TO DEATH  
FROZEN  
FULL THICKNESS BURN (ANY %)

- G -

GAS ASPHYXIA  
GAS SUFFOCATION  
GUNSHOT INJURY  
GUNSHOT WOUND

- H -

HANGING

HEAT APOPLEXY  
HEAT COLLAPSE  
HEAT CRAMPS  
HEAT EFFECTS  
HEAT EXHAUSTION  
HEAT FEVER  
HEAT HYPERPYREXIA  
HEAT HYPERTHERMIA  
HEAT PROSTRATION  
HEAT PYREXIA  
HEAT STROKE  
HEMATOMA  
HUNGER  
HYPERSENSITIVE REACTION  
HYPOTHERMIA

- I -

IDIOSYNCRACY  
IMMERSION  
IMPACT INJURY  
IMPACT TO SITE  
IMPROPER CARE  
INATTENTION AFTER BIRTH  
INATTENTION AT BIRTH  
INCINERATION  
INCISED  
INCISED KNIFE WOUND  
INCISED STABBED WOUND  
INCISED WOUND  
INFRARED RAYS INJURY  
INJURY  
INSECT BITE  
INSECT BITE HYPERSENSITIVITY  
INSECT STING

- J -

JELLYFISH STING

- K -

KNIFE WOUND

- L -

LACERATION  
LACK OF CARE  
LACK OF FOOD

LEAD ENCEPHALOPATHY  
LEAD NEPHROPATHY  
LETHAL CARBON MONOXIDE  
CONCENTRATION  
LIGHTNING BURN  
LIGHTNING SHOCK  
LIGHTNING STROKE

- M -

MANGLED  
MUTILATION

- N -

NEGLECT

- O -

OVEREXERCISED  
OVEREXERTION  
OVEREXPOSURE  
OVERHEATED

- P -

PENETRATING KNIFE WOUND  
PENETRATING STABBED WOUND  
PENETRATING TRAUMA  
PENETRATING WOUND  
PERFORATING KNIFE WOUND  
PERFORATING STABBED WOUND  
PERFORATING WOUND  
PIERCING KNIFE WOUND  
PIERCING STABBED WOUND  
PIERCING WOUND  
POLYMER FUME FEVER  
PORTUGUESE MAN O WAR STING  
PUNCTURE  
PUNCTURE KNIFE WOUND  
PUNCTURE STABBED WOUND  
PUNCTURE WOUND

- R -

RADIOACTIVE FALLOUT  
RAPE  
REPTILE BITE  
RUPTURE

- S -

SCALD BURN (ANY DEGREE)  
SCRATCH  
SENSITIVITY  
SEPARATION  
SHAKEN INFANT (SYNDROME)  
SHAKING INJURY  
SHARP FORCE INJURY  
SHARP FORCE TRAUMA  
SLASH  
SMOTHERING  
SNAKE BITE  
SPIDER BITE  
SPRAIN  
STAB  
STAB WOUND  
STARVATION  
STING  
STRAIN  
STRANGULATION  
SUBLUXATION  
SUBMERSION  
SUFFOCATION  
SUNSTROKE

- T -

THERMAL BLUNT TRAUMA  
THERMAL BURN  
THERMAL IMPACT INJURY  
THERMAL INJURY  
THERMAL TRAUMA  
THERMOPLEGIA  
TOBACOSIS  
TORN  
TRANSECTION  
TRAUMA  
TRAUMATIC DEATH  
TRAUMATISM

- U -

UNATTENDED BIRTH

- V -

VAPOR ASPHYXIA  
VAPOR SUFFOCATION

- W -

WAR INJURY  
WASP STING  
WEATHER EXPOSURE  
WEIGHTLESSNESS  
WHIPLASH (SYNDROME)  
WOUND

**APPENDIX I - CODE FOR PLACE OF INJURY**

**A: Home**

---

Excludes: Abandoned or derelict house (P)  
Home under construction, but not yet occupied (G)  
Institutional Place of Residence (C)

About home	Penthouse
Apartment	Private driveway to home
Boarding house	Private Garage
Cabin	Private Garden to home
Caravan (trailer) park - residential	Private Walk to home
Farm house	Private Wall to home
Hogan	Residence
Home premises	Roominghouse
Home sidewalk	Swimming pool in private home or garden
Home swimming pool	Trailer camp or court
House (residential)	Yard to home
Noninstitutional place of residence	Yard NOS

**B: Farm**

---

Excludes: Farm House and Home Premises of Farm (A)

Barn NOS	Field, numbered or specialized
Barnyard	Gravel pit on farm
Corncrib	Orange grove
Cornfield	Pasture
Dairy (farm) NOS	Range NOS
Farm buildings	Silo
Farm pond or creek	State farm
Farmland under cultivation	Ranch NOS

C: Residential Institution

---

Almshouse	Nursing home
Children's home	Old people's home
Dormitory	Orphanage
Fraternity house	Pensioner's home
Home for the sick	Prison camp
Hospice	Prison
Institution (any type)	Reform school
Jail	State school
Nurses's home	Sorority house

D: Military Residence

---

Army Camp	Military (camp) (reservation)
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E: Hospital

---

Hospital

F: School, Other Institution, Administrative Area

---

Excludes:      Building Under Construction (G)  
                    Residential Institution (C)  
                    Sports and Athletic Areas (N)

Armory	Movie house
Assembly hall	Museum
Campus	Music Hall
Child center	Night club
Church	Opera house
Cinema	Police precinct
Clubhouse	Police station or cell
College	Post office
Country club (grounds)	Private club
Court house	Public Hall
Dance hall	Salvation army
Day nursery (Day care)	School (grounds) (yard)
Drive in theater	School (private) (public) (state)
Fire house	Theatre
Gallery	Turkish bath
Health resort	University
Institute of Higher Learning	YMCA
Kindergarten	YWCA
Library	Youth center
Mission	

## G: Industrial and Construction Areas

---

Building under construction	Oil rig and other offshore installations
Coalyard	Oil well
Construction job	Plant, industrial
Dairy processing plant	Power-station (coal) (nuclear) (oil)
Dockyard	Produce building
Dry dock	Railroad track or trestle
Electric tower	Railway yard
Factory (building) (premises)	Sawmill
Foundary	Sewage disposal plant
Gas works	Shipyards
Grain elevator	Shop
Highway under construction	Substation (power)
Industrial yard	Subway track
Loading platform - factory	Tannery
Logging operation area	Wharf
Mill pond	Workshop
Oil field	

## H: Garage/Warehouse

---

Excludes: Garage in Private Home (A)

Body shop	Loading platform - store
Garage NOS	Warehouse
Garage - place of work	

## I: Trade and Service Area

---

Excludes: Garage in Private Home (A)

Airport	Motel
Bank	Market (grocery or other commodity)
Bar	Office (building)
Cafe	Radio/Television broadcasting station
Casino	Restaurant
Electric company	Salvage Lot, Named
Filling station	Service Station
Funeral Home	Shop, commercial
Garage away from highway except home	Shopping center (Shopping mall)
Garage building (for car storage)	Station (bus) (railway)
Gas station	Store
Hotel	Subway (stairs)

Tourist court

Tourist home

J: Mine/Quarry

---

Coal pit

Sand pit

Gravel pit

Tunnel under construction

K: Street/Highway

---

Alley

Pavement

Bridge NOS

Roadside

Freeway

Road

Interstate

Sidewalk NOS

Motorway

Named Street/Highway/Interstate

L: Public Recreation Area

---

Beach - NOS (Private) (Named)

Named lake

Beach resort

Park (any) (Amusement) (Public)

Boy's camp

Playground NOS

Holiday camp

Resort NOS

Lake resort

Seashore resort

Mountain cabin

Vacation resort

Mountain resort

M: Institutional Recreation Area

---

Playground, school

N: Sports and Athletics Area

---

Excludes: Swimming Pool or Tennis Court in private home or garden (A)

Baseball field

Ice palace

Basketball court

Racecourse

Cricket ground

Riding school

Dude ranch

Rifle range - NOS

Fives court

Skating rink

Football field

Sports palace

Golf course

Sports ground

Gymnasium

Squash court

Hockey field

Stadium

Hunting cabin

Swimming pool ( public) (private)

Tennis court

O: Other Building

---

Building NOS

P: Other Specified Place

---

Abandoned gravel pit	Military training ground
Abandoned public building or home	Mountain
Air force firing range	Named city
Bar pit or ditch	Named town
Beach NOS	Nursery NOS
Camp	Open field
Camping grounds	Parking lot
Campsite	Parking place
Canal	Pier
Caravan site NOS	Pipeline (oil)
Cemetery	Place of business NOS
City dump	Pond or pool (natural)
Damsite	Powerline pole
Derelict house	Prairie
Desert	Private property
Ditch	Public place NOS
Dock NOS	Public property
Excavation site	Railway line
Fairgrounds	Reservoir (Water)
Field NOS	River
Forest	Sea
Fort	Seashore NOS
Harbour	Sewer
Hill	Specified address
Irrigation canal or ditch	Stream
Junkyard	Swamp
Lake NOS	Woods
Manhole	Zoo
Marsh	

Q: Unspecified Place

---

Bed	Jobsite
Commode	Near any place
Country	On job
Downstairs	Parked car
Fireplace	Sofa

Table

Tree

## APPENDIX J - ACTIVITY CODE

- .0 While engaged in sports activity  
Physical exercise with a described functional element such as:
  - . golf
  - . jogging
  - . riding
  - . school athletics
  - . skiing
  - . swimming
  - . trekking
  - . waterskiing
  
- .1 While engaged in leisure activity  
Hobby activities  
Leisure time activities with an entertainment element such as going to the cinema, to a dance or to a party  
Participation in sessions and activities of voluntary organizations  
  
Excludes: sport activities (.0)
  
- .2 While working for income  
Paid work (manual)(professional)  
Transportation (time) to and from such activities  
Work for salary, bonus and other types of income
  
- .3 While engaged in other types of work  
Domestic duties such as:
  - . caring for children and relatives
  - . cleaning
  - . cooking
  - . gardening
  - . household maintenanceDuties for which one would not normally gain an income  
Learning activities, e.g. attending school session or lesson  
Undergoing education
  
- .4 While resting, sleeping, eating and other vital activities  
Personal hygiene
  
- .8 While engaged in other specified activities
  
- .9 During unspecified activity

APPENDIX K - Spelling words for MICAR Data Entry

- A -

ABDOMEN	ACCRETA
ABDOMINAL	ACCRETIO
ABDOMINALGIA	ACEPHALIA
ABDOMINALIS	ACEPHALIC
ABDOMINIS	ACEPHALISM
ABDOMINOCENTESIS	ACEPHALUS
ABDOMINOPERINEAL	ACEPHALY
ABDOMINORECTAL	ACETABULAR
ABDOMINOSIGMOIDAL	ACETABULUM
ABDOMINOTHORACIC	ACETAMINOPHEN
ABDOMINOVESICAL	ACETONE
ABDUCTION	ACETONEMIA
ABERRANT	ACETYLENE
ABERRATION	ACETYLSALICYLIC
ABLATIO	ACHALASIA
ABLATION	ACHLORHYDRIC
ABNORMAL	ACHONDROPLASIA
ABNORMALITIES	ACHONDROPLASTIC
ABNORMALITY	ACHYLIA
ABORTION	ACID
ABORTUS	ACIDEMIA
ABOVE	ACIDITY
ABRASION	ACIDOPHIL
ABRASIONS	ACIDOSIS
ABRUPTIO	ACNITIS
ABRUPTION	ACOUSTIC
ABS	ACQUIRED
ABSCESS	ACRANIA
ABSCESED	ACROCEPHALY
ABSCESSSES	ACRODERMATITIS
ABSENCE	ACROMEGALIA
ABSENT	ACROMEGALY
ABSINTHE	ACROMIAL
ABSINTHEMIA	ACROMICRIA
ABSINTHISM	ACROMIOCLAVICULAR
ABSORPTION	ACROMION
ABSTINENCE	ACROPATHY
ABUSE	ACROSCLERODERMA
ABUSED	ACROSCLEROSIS
ABUSER	ACTERYL
ACANTHOLYSIS	ACTINIC
ACANTHOSIS	ACTINOBACTER
ACCELERATED	ACTINOBACTERIAL
ACCESS	ACTINOMYCOSIS
ACCESSORY	ACTINOMYCOTIC
	ACTION
	ACTIVE

ACTIVITY  
ACTUALLY  
ACUTE  
ADAIR  
ADAMS  
ADDICTION  
ADDISON  
ADDISONIAN  
ADDISONS  
ADENITIS  
ADENOCANCER  
ADENOCARCINOMA  
ADENOCARCINOMATOSIS  
ADENOCYSTIC  
ADENOFIBROMA  
ADENOID  
ADENOIDECTOMY  
ADENOIDS  
ADENOMA  
ADENOMATOID  
ADENOMATOUS  
ADENOPATHY  
ADENOSARCOMA  
ADENOSQUAMOUS  
ADENOVIRAL  
ADHERENT  
ADHESION  
ADHESIONS  
ADHESIVE  
ADIPOSIOS  
ADIPOSITTY  
ADMINISTRATION  
ADNEXA  
ADRENAL  
ADRENALECTOMY  
ADRENALITIS  
ADRENITIS  
ADRENOCORTICAL  
ADRENOCORTICOTROPHIC  
ADRENOGENITAL  
ADRIAMYCIN  
ADULT  
ADVANCED  
ADVENTITIAL  
ADVERSE  
ADVIL  
ADYNAMIC  
AERATION  
AEROBACTER

AEROBIC  
AEROGENES  
AEROSOL  
AERUGINOSA  
AFFAIR  
AFFECTING  
AFFECTIVE  
AFFERENT  
AFIBRINOGENEMIA  
AGALACTIA  
AGAMMAGLOBULINEMIA  
AGANGLIONIC  
AGANGLIONOSIS  
AGE  
AGED  
AGENESIS  
AGENT  
AGGLUTININ  
AGGRAVATED  
AGGRESSIVE  
AGING  
AGITANS  
AGITATION  
AGNOGENIC  
AGONAL  
AGORAPHOBIA  
AGRANULOCYTIC  
AGRANULOCYTOSIS  
AGYRIA  
AILMENT  
AIRWAY  
AIRWAYS  
AKINETIC  
ALACTASIA  
ALACTASIS  
ALBA  
ALBERS  
ALBERTINI  
ALBICANS  
ALBRIGHT  
ALBUMIN  
ALCOHOL  
ALCOHOLIC  
ALCOHOLISM  
ALDRICH  
ALEUKEMIC  
ALEXANDERS  
ALIMENTARY  
ALIMENTATION

ALKALEMIA  
ALKALI  
ALKALINE  
ALKALOSIS  
ALKASELTZER  
ALKERAN  
ALLERGIC  
ALLERGY  
ALLOGRAFT  
ALOPECIA  
ALPHA  
ALPORTS  
ALTERED  
ALUMINUM  
ALVAREZ  
ALVEOLAR  
ALVEOLARCAPILLARY  
ALVEOLI  
ALVEOLITIS  
ALVEOLUS  
ALZHEIMER  
ALZHEIMERS  
AMANTADINE  
AMAUROSIS  
AMAUROTIC  
AMBLYOPIA  
AMBULATE  
AMEBIC  
AMELOBLASTOMA  
AMERICAN  
AMINOGLYCOSIDE  
AMINOPHYLLINE  
AMIODARONE  
AMITRIPTYLINE  
AMMONIA  
AMNESIA  
AMNIOCENTESIS  
AMNION  
AMNIONITIS  
AMNIOTIC  
AMOBARBITAL  
AMOXAPINE  
AMOXICILLIN  
AMPHETAMINE  
AMPICILLIN  
AMPULLA  
AMPULLARY  
AMPUTATED  
AMPUTATION

AMPUTATIONS  
AMPUTEES  
AMYELENCEPHALUS  
AMYELIA  
AMYLOID  
AMYLOIDOSIS  
AMYOPLASIA  
AMYOTONIC  
AMYOTROPHIA  
AMYOTROPHIC  
AMYOTROPHY  
ANAEROBIC  
ANAFRANIL  
ANAL  
ANALBUMINEMIA  
ANALGESIA  
ANALGESIC  
ANALGESICS  
ANALYSES  
ANALYSIS  
ANAPHYLACTIC  
ANAPHYLACTOID  
ANAPHYLAXIS  
ANAPLASTIC  
ANARTHRIA  
ANARTHROTIC  
ANASARCA  
ANASTOMIC  
ANASTOMOSIS  
ANASTOMOTIC  
ANCIENT  
ANDERSENS  
ANDERSONS  
ANEMIA  
ANEMIC  
ANENCEPHALIA  
ANENCEPHALIC  
ANENCEPHALUS  
ANENCEPHALY  
ANESTHESIA  
ANESTHETIC  
ANEURYSM  
ANEURYSMAL  
ANEURYSMECTOMY  
ANEURYSMS  
ANGIITIS  
ANGINA  
ANGINAL  
ANGIOBLASTIC

ANGIOBLASTOMA  
ANGIODYSPLASIA  
ANGIOEDEMA  
ANGIOENDOTHELIOMATOSIS  
ANGIOGRAM  
ANGIOGRAPHY  
ANGIOIMMUNOBLASTIC  
ANGIOMA  
ANGIOMATOSIS  
ANGIOMYOSARCOMA  
ANGIONEUROSI  
ANGIONEUROTIC  
ANGIOPATHY  
ANGIOPLASTY  
ANGIOSARCOMA  
ANGIOSCLEROSIS  
ANGIOSPASM  
ANGIOSPASTIC  
ANGLE  
ANGULATION  
ANHYDRATION  
ANHYDREMIA  
ANICTERIC  
ANITRATUM  
ANKLE  
ANKLES  
ANKYLOPOIETICA  
ANKYLOSED  
ANKYLOSING  
ANKYLOSIS  
ANNULAR  
ANNULOPLASTY  
ANNULUS  
ANOMALIES  
ANOMALOUS  
ANOMALY  
ANORECTAL  
ANORECTUM  
ANOREXIA  
ANOXEMIA  
ANOXEMIC  
ANOXIA  
ANOXIC  
ANTAGONIST  
ANTECUBITAL  
ANTEPARTUM  
ANTERIO LATERAL  
ANTERIOR  
ANTERIOSEPTAL

ANTERO  
ANTEROLATERAL  
ANTEROSEPTAL  
ANTEVERSION  
ANTHONY'S  
ANTHRACOSILICOSIS  
ANTHRACOSIS  
ANTIBIOTIC  
ANTIBODIES  
ANTIBODY  
ANTICOAGULANT  
ANTICOAGULANTS  
ANTICOAGULATION  
ANTICONVULSANT  
ANTIDEPRESSANT  
ANTIDEPRESSANTS  
ANTIDIURETIC  
ANTIFREEZE  
ANTIGEN  
ANTI HISTAMINE  
ANTI INFLAMMATORY  
ANTINEOPLASTIC  
ANTITHROMBIN  
ANTITOXIN  
ANTITRYPSIN  
ANTITUMOR  
ANTONS  
ANTRAL  
ANTRECTOMY  
ANTRITIS  
ANTROGASTRIC  
ANTRUM  
ANURIA  
ANURIC  
ANUS  
ANXIETY  
AORTA  
AORTAILIAC  
AORTIC  
AORTICOPULMONARY  
AORTITIS  
AORTO  
AORTOBIFEMORAL  
AORTOCAVAL  
AORTOCORONARY  
AORTOCUTANEOUS  
AORTOENTERIC  
AORTOFEMORAL  
AORTOGRAM

AORTOILIAC  
AORTOJEJUNAL  
AORTOPLASTY  
AORTOPOPLITEAL  
AORTOPULMONARY  
AORTORENAL  
AORTOSAPHENOUS  
APATHETIC  
APEPSIA  
APERTA  
APERTS  
APERTURES  
APEX  
APGAR  
APHAGIA  
APHASIA  
APHASIC  
APHEMIA  
APHONIA  
APICAL  
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COUNT  
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CRANIOCEREBRAL  
CRANIOCERVICAL  
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CRANIOENCEPHALON  
CRANIOFACIAL  
CRANIOMETAPHYSEAL  
CRANIOPHARYNGEAL  
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CRANIOTOMY  
CRANIOVASCULAR  
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CREUTZFELDT  
CREVELD  
CRICOARYTENOID  
CRICOID  
CRIGLER  
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CROHNS  
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CRURIS  
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CRYOGLOBULINEMIC

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CYSTOLITHIASIS  
CYSTOPROSTATOURETHRECTOMY  
CYSTOPYELITIS  
CYSTOSARCOMA  
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DECEREBRATION  
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DECOMPENSATED  
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DEFECT  
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DENVER  
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DERMATOMYOSITIS  
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DESERT  
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DIGITOXIN  
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DIMORPHIC  
DIOXIDE  
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DISABILITY  
DISACCHARIDASE  
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DISARTICULATION  
DISASTER  
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DISMEMBERMENT  
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DISORDER  
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DORIDEN  
DORMANT  
DORSAL  
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DOUBLE  
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DUODENECTOMY  
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DYSAUTONOMIC  
DYSCRASIA  
DYSENTERY

DYSERYTHROPOIETIC  
DYSFUNCTION  
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DYSGAMMAGLOBULINEMIA  
DYSGENESIS  
DYSGERMINOMA  
DYSHEMATOPOIETIC  
DYSKARYOSIS  
DYSKINESIA  
DYSKINETIC  
DYSLIPIDEMIA  
DYSMATURITY  
DYSMOTILITY  
DYSMYELOPOIETIC  
DYSMYELOPOIETIC  
DYSPEPSIA  
DYSPHAGIA  
DYSPHASIA  
DYSPLASIA  
DYSPNEA  
DYSPRAXIA  
DYSRHYTHMIA  
DYSTACHYCARDIA  
DYSTONIA  
DYSTROPHY  
DYSURIA

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ECTASIA  
ECTASIS  
ECTOCARDIA  
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ELECTROCARDIOGRAM  
ELECTROCONVULSIVE  
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ELECTROCUTION  
ELECTROENCEPHALOGRAM  
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EMBOLISM

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EMINENCE  
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ENTEROVIRUS  
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ENUCLEATION

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EPENDYMOMA  
EPHEDRINE  
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EPICARDIUM  
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EPIDERMIDIS  
EPIDERMOID  
EPIDERMOLYSIS  
EPIDIDYMISS  
EPIDIDYMITIS  
EPIDIDYMOORCHITIS  
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EPIDURAL  
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EPIGNATHUS  
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EPISODES  
EPISODIC  
EPISPLENITIS

EPISTAXIS  
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EPITHELIOD  
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EPSTEINS  
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ERYTHRODERMA  
ERYTHROGENESIS  
ERYTHROID  
ERYTHROLEUKEMIA  
ERYTHROMEALOCARYOCYTIC  
ERYTHROPHAGOCYTOSIS  
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ESCHERICHIA  
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ESOPHAGOSCOPY  
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ESSENTIAL  
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ETHANOL  
ETHANOLIC  
ETHANOLISM  
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ETHER  
ETHMOID  
ETHMOIDAL  
ETHYL  
ETHYLENE  
ETHYLISM  
ETIOLOGY  
EUROPEAN  
EUSTACHIAN  
EVACUATE  
EVACUATED  
EVACUATION  
EVANS  
EVENT  
EVENTRATION  
EVERSION  
EVISCERATION  
EWING  
EWINGS  
EXACERBATION  
EXAGGERATED  
EXAM  
EXAMINATION  
EXCAVATUM  
EXCESS  
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EXCHANGE  
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EXCISION  
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EXCITATION  
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EXENTERATION  
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FAMILIAL  
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FIBROELASTOSIS  
FIBROEMPHYSEMA  
FIBROHISTIOCYTOMA  
FIBROID  
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FIBROLIPOMA  
FIBROLIPOSARCOMA  
FIBROMA  
FIBROMATOSIS  
FIBROMUSCULAR  
FIBROMYOMA  
FIBROMYOSARCOMA  
FIBROMYOSITIS

FIBROMYXOLIPOMA  
FIBROMYXOSARCOMA  
FIBRONODULAR  
FIBROPURULENT  
FIBROSARCOMA  
FIBROSING  
FIBROSIS  
FIBROTHORAX  
FIBROTIC  
FIBROUS  
FIBULA  
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FLETCHER  
FLEXION  
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FLOPPY  
FLORIAL  
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FLOW  
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FLUID  
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FLURAZEPAM  
FLUTTER  
FOCAL  
FOGARTY

FOLATE  
FOLD  
FOLDS  
FOLEY  
FOLIC  
FOLLICLIS  
FOLLICULAR  
FONTAN  
FOOD  
FOOT  
FORAMEN  
FORBES  
FORCEPS  
FOREARM  
FOREFOOT  
FOREGUT  
FOREHEAD  
FOREIGN  
FORELEG  
FOREQUARTER  
FORMATION  
FORMER  
FOSSA  
FOURNIERS  
FOVILLES  
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FRACTURED  
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FRAGILIS  
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FRAGMENTATION  
FRANCESCHETTI  
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FRANKS  
FREDRICKSON  
FREDRICKSONS  
FREEZING  
FRENULUM  
FREON  
FRICTION  
FRIDERICHSEN  
FRIEDLANDER  
FRIEDLANDERS  
FRIEDREICHS  
FROHLICHS  
FROINS  
FRONT  
FRONTAL

FRONTO  
FRONTONASAL  
FRONTOOCCIPITAL  
FRONTOPARIETAL  
FRONTOTEMPORAL  
FROSTBITE  
FROZE  
FROZEN  
FRUCTOSE  
FULGURATION  
FULL  
FULMINANT  
FULMINATING  
FUME  
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FUNCTION  
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FUNDAL  
FUNDOPLICATION  
FUNDUS  
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FUNNEL  
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FURUNCLE  
FUSION

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GAG  
GAISBOCKS  
GALACTOPHORITIS  
GALACTOSE  
GALACTOSEMIA  
GALACTOSURIA  
GALEN  
GALL  
GALLBLADDER  
GALLDUCT  
GALLOP  
GALLOPING  
GALLSTONE  
GALLSTONES  
GAMMA

GAMMOGLOBULINOPATHY  
GAMMOPATHY  
GAMNAS  
GANDY  
GANGLIA  
GANGLIOGLIOMA  
GANGLION  
GANGLIONITIS  
GANGLIOSIDOSIS  
GANGRENE  
GANGRENOUS  
GANNISTER  
GANONG  
GANSERS  
GANTZ  
GANZ  
GARDNERS  
GARGOYLISM  
GARRES  
GARTNERS  
GASES  
GASOLINE  
GASTRALGIA  
GASTRECTASIS  
GASTRECTOMY  
GASTRIC  
GASTRICA  
GASTRINOMA  
GASTRITIS  
GASTRO  
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GASTROJEJUNITIS

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GASTROSCOPY  
GASTROSPASM  
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GASTROSTOMY  
GASTROTOMY  
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GEHRIGS  
GENERAL  
GENERALIZED  
GENES  
GENETIC  
GENICULATE  
GENITAL  
GENITALIA  
GENITOURINARY  
GEPHAGIA  
GEORGES  
GERBODES  
GERHARDTS  
GERM  
GESTATION  
GESTATIONAL  
GIANT  
GIANTISM  
GIDDINESS  
GIGANTISM  
GILBERTS  
GILFORD  
GINGIVA  
GINGIVAL  
GINGIVOSTOMATITIS  
GIRDLE  
GLAND  
GLANDS  
GLANDULAR  
GLAUCOMA  
GLIOBLASTOMA  
GLIOMA  
GLIOMATOSIS

GLIOSARCOMA  
GLIOSIS  
GLISSONS  
GLOBAL  
GLOBINURIA  
GLOBULIN  
GLOBUS  
GLOMANGIOMA  
GLOMERULAR  
GLOMERULITIS  
GLOMERULO  
GLOMERULONEPHRITIS  
GLOMERULONEPHROSCLEROSIS  
GLOMERULOSCLEROSIS  
GLOMUS  
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GLOSSECTOMY  
GLOSSOPHARYNGEAL  
GLOTTIC  
GLOTTIS  
GLUCOSE  
GLUCURONYL  
GLUE  
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GLUTETHIMIDE  
GLUTEUS  
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GLYCOGENIC  
GLYCOGENICA  
GLYCOGENOSIS  
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GLYCOLIPID  
GLYCOPENIA  
GLYCOSURIA  
GOATS  
GOITER  
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GOLDBLATTSS  
GOLDFLAM  
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GONADOBLASTOMA  
GONOCOCCAL  
GOODPASTURES  
GORE  
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GORTEX  
GOUT  
GOUTY  
GOWERS  
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GRAM  
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GRANULOMATOUS  
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GRAVES  
GRAVIS  
GREAT  
GREATER  
GREENFIELDS  
GREENSTICK  
GRIPPE  
GROIN  
GROSONG  
GROSS  
GROUP  
GROWTH  
GRUBERS  
GUBLER  
GUERIN  
GUGLIELMOS  
GUILLAIN  
GULLET  
GULLS  
GUM  
GUMMA  
GUNNS  
GUNSHOT  
GUT  
GUTTMAN  
GVH  
GYNECOLOGIC  
GYNECOLOGICAL

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- H -

HABIT

HABITS

HABITUAL

HAGEMAN

HAGIE

HAILEY

HAIR

HAIRY

HALLERMAN

HALLOPEAUS

HALLUCINOSIS

HALLUX

HALOPERIDOL

HALOTHANE

HAMARTOBLASTOMA

HAMARTOMA

HAMMAN

HAMMER

HAND

HANDICAPPED

HANDLE

HANDLING

HANDS

HANGED

HANGING

HANGOVER

HANOT

HANOTS

HARD

HARDENING

HARDWARE

HARELIP

HARLEQUIN

HARTMANN'S

HASHIMOTOS

HAUT

HAY

HEAD

HEADACHE

HEALED

HEALING

HEALTH

HEARING

HEART

HEAT

HEAVILY

HEAVY

HEBEPHRENIA

HEBEPHRENIC

HEBERDENS

HEEL

HEELS

HEMANGIOBLASTOMA

HEMANGIOENDOTHELIAL

HEMANGIOENDOTHELIOMA

HEMANGIOMA

HEMANGIOPERICYTOMA

HEMANGIOSARCOMA

HEMATEMESIS

HEMATOCEPHALUS

HEMATOCHEZIA

HEMATOGENOUS

HEMATOLOGIC

HEMATOMA

HEMATOMYELIA

HEMATOMYELITIS

HEMATOPERICARDIUM

HEMATOPERITONEUM

HEMATOPNEUMOTHORAX

HEMATOPOIESIS

HEMATOPOIETIC

HEMATOPORPHYRIA

HEMATOPORPHYRINURIA

HEMATOTHORAX

HEMATURIA

HEMIANENCEPHALY

HEMIANOPSIA

HEMIATROPHY

HEMIBALLISM

HEMIBLOCK

HEMICARDIA

HEMICEPHALUS

HEMICEPHALY

HEMICHOREA

HEMICOLECTOMY

HEMICOLONIC

HEMICRANIA

HEMIDIAPHRAGM

HEMIDIAPHRAGMATIC

HEMIFACIAL

HEMIGASTRECTOMY

HEMIHYPERTROPHY

HEMIPARALYSIS

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HEMIPLEGIA  
HEMIPNEUMONECTOMY  
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HEMISPHERIC  
HEMISPOROSIS  
HEMIVERTEBRA  
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HEMODIALYSIS  
HEMODYNAMIC  
HEMOGLOBIN  
HEMOGLOBINOPATHY  
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HISTIOCYTOSIS  
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HOST  
HOURGLASS  
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HYDROMPHALOS  
HYDROMYELIA  
HYDROMYELOCELE  
HYDRONEPHROSIS  
HYDRONEPHROTIC  
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HYDROPNEUMOHEMOTHORAX  
HYDROPNEUMOPERICARDITIS  
HYDROPNEUMOPERICARDIUM  
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HYDROPYONEPHROSIS  
HYDRORHACHIS  
HYDROTHORAX  
HYDROURETER  
HYDROURETERONEPHROSIS  
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HYDROXYZINE  
HYGROMA  
HYGROMAS  
HYOID  
HYPERACIDITY  
HYPERACTIVE  
HYPERACTIVITY  
HYPERADRENALISM

HYPERADRENOCORTICISM	HYPERNATREMIA
HYPERALDOSTERONE	HYPERNEPHROID
HYPERALDOSTERONISM	HYPERNEPHROMA
HYPERALIMENTATION	HYPERNITREMIA
HYPERAMINOACIDURIA	HYPERORNITHINEMIA
HYPERAMMONEMIA	HYPEROSMOLALITY
HYPERAZOTEMIA	HYPEROSMOLAR
HYPERBETALIPOPROTEINEMIA	HYPEROSMOLARITY
HYPERBILIRUBINEMIA	HYPEROSMOTIC
HYPERCALCEMIA	HYPEROSOMOLAR
HYPERCALCEMIC	HYPEROSOMOTIC
HYPERCALCINURIA	HYPERPARATHYROID
HYPERCALEMIA	HYPERPARATHYROIDISM
HYPERCAPNIA	HYPERPERMEABILITY
HYPERCARBIA	HYPERPHAGIA
HYPERCHLOREMIA	HYPERPHOSPHATEMIA
HYPERCHLORHYDRIA	HYPERPIESIA
HYPERCHOLESTERINEMIA	HYPERPIESIS
HYPERCHOLESTEROLEMIA	HYPERPINEALISM
HYPERCHOLESTEROLOSIS	HYPERPLASIA
HYPERCOAGULABILITY	HYPERPLASTIC
HYPERCOAGULABLE	HYPERPNEA
HYPERCOAGULATION	HYPERPOTASSEMIA
HYPERCORTICOSTERONISM	HYPERPREBETALIPOPROTEINEMIA
HYPERCORTISONISM	HYPERPROTEINEMIA
HYPEREMESIS	HYPERPYREXIA
HYPEREMIA	HYPERSECRETION
HYPEREOSINOPHILIC	HYPERSENSITIVE
HYPEREXTENSION	HYPERSENSITIVITY
HYPERFIBRINOLYSIS	HYPERSPLENIA
HYPERFUNCTION	HYPERSPLENISM
HYPERGAMMAGLOBULINEMIA	HYPERSUPRARENALISM
HYPERGLOBULINEMIA	HYPERSYMPATHETIC
HYPERGLYCEMIA	HYPERTELORISM
HYPERGLYCEMIC	HYPERTENSION
HYPERGLYCERIDEMIA	HYPERTENSIVE
HYPERINSULINISM	HYPERTHERMIA
HYPERKALEMIA	HYPERTHYROID
HYPERKALEMIC	HYPERTHYROIDISM
HYPERKINESIA	HYPERTONICITY
HYPERKINETIC	HYPERTONY
HYPERLIPEMIA	HYPERTRIGLYCERIDE
HYPERLIPIDEMIA	HYPERTRIGLYCERIDEMIA
HYPERLIPIDOSIS	HYPERTROPHIC
HYPERLIPOPROTEINEMIA	HYPERTROPHY
HYPERMAGNESEMIA	HYPERTROPIC
HYPERMATURITY	HYPERURICEMIA
HYPERMOBILITY	HYPERVENTILATION
HYPERMOTILITY	HYPERVISCIDOSIS

HYPERVISCOSITY  
HYPERVITAMINOSIS  
HYPERVOLEMIA  
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INTERASD  
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INTERRUPTION  
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INTERVSD  
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INVALIDISM  
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INVERTASE  
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IRDS  
IRITIS  
IRON  
IRRADIATION  
IRREDUCIBLE  
IRREGULAR  
IRREGULARITY  
IRREVERSIBLE  
IRRIGATION  
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IRRITABILITY  
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ISCHIORECTAL  
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ISLANDS  
ISLET  
ISLETS  
ISOIMMUNIZATION  
ISONIAZID  
ISOPROPANOL  
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JACKSON  
JACKSONIAN  
JACKSONS  
JAFFE  
JAKOB  
JAKSCHS  
JAMES  
JANNETTEE  
JANSKY  
JAUNDICE  
JAUNDICED  
JAW  
JAWBONE  
JEJUNAL  
JEJUNITIS  
JEJUNOSTOMY  
JEJUNUAL  
JEJUNUM  
JELLYFISH  
JERVELL  
JEUNES

JOAQUIN  
JOHNSON  
JOINT  
JOINTS  
JUGULAR  
JUNCTION  
JUNCTIONAL  
JUVENILE  
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K  
KALISCHER  
KANAMYCIN  
KANSASII  
KAPOSI  
KAPPA  
KARTAGENER  
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KASABACH  
KASCHIN  
KAWASAKIS  
KELLY  
KERATOACANTHOMA  
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KETONURIA  
KETOSIS  
KETOTIC  
KFS  
KIDNEY  
KIDNEYS  
KIMMELSTIEL  
KINK  
KINKY  
KLATSKIN  
KLATSKINS  
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KLINFELTERS  
KLIPPEL  
KLUBLATTSCHADEL  
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KORSAKOFF  
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KYPHOSCOLIOSIS  
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LADENO  
LAENNECS  
LAMBERT  
LAMINECTOMY  
LANDOUZY  
LANDRYS

LANGDON  
LANGE  
LANGERHANS  
LANGES  
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LAPAROSCOPY  
LAPAROTOMY  
LARGE  
LARYNGEAL  
LARYNGECTOMY  
LARYNGISMUS  
LARYNGITIS  
LARYNGO  
LARYNGOBRONCHITIS  
LARYNGOPHARYNGEAL  
LARYNGOPHARYNX  
LARYNGOSCOPY  
LARYNGOSPASM  
LARYNGOSTENOSIS  
LARYNGOTOMY  
LARYNGOTRACHEAL  
LARYNGOTRACHEITIS  
LARYNGOTRACHEOBRONCHITIS  
LARYNX  
LASER  
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LAURENCE  
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LEGIONELLA  
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LEIOMYOBLASTOMA  
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LEIOMYOSARCOMA  
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LEIOMYSARCOMA  
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LENEGRES  
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LENTICULAR  
LENTICULARSTRIATE  
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LEPTOMENINGEAL  
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LEUCOSARCOMA  
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LEUKOCYTOBLASTIC  
LEUKOCYTOSIS  
LEUKODYSTROPHY  
LEUKOENCEPHALITIS  
LEUKOENCEPHALOPATHY  
LEUKOERYTHROBLASTIC  
LEUKOERYTHROBLASTOSIS  
LEUKOERYTHROSIS  
LEUKOLYMPHOSARCOMA  
LEUKOMYELOBLASTIC  
LEUKOPENIA  
LEUKOPLAKIA  
LEUKOPOLIOENCEPHALOPATHY  
LEUKOSARCOMA  
LEVEEN  
LEVEL  
LEVINE  
LEVOCARDIA

LEVOVERSION	LIPOSARCOMA
LEVS	LIPOTROPHIC
LEVYS	LIQUID
LEYDEN	LISTERELLA
LIBERAL	LISTERIA
LIBMAN	LISTERIOSIS
LIBRIUM	LITHIASIS
LICHTENSTEIN	LITHIUM
LID	LITHOTOMY
LIDOCAINE	LITHOTRIPT
LIFE	LITTLE
LIFELONG	LIVCA
LIFETIME	LIVCAR
LIGAMENT	LIVCIR
LIGATION	LIVE
LIGHT	LIVER
LIGHTNING	LIVING
LIKE	LL
LIMB	LLL
LIMBS	LLQ
LIMITATION	LML
LIMITED	LN
LINDAU	LOADING
LINE	LOBAR
LINEARIS	LOBE
LINES	LOBECTOMY
LINGUAL	LOBES
LINING	LOBOTOMY
LINITIS	LOBULAR
LINKED	LOCAL
LIP	LOCALIZED
LIPASE	LOCKJAW
LIPEDEMA	LOCOMOTOR
LIPEMIA	LOCULATED
LIPID	LOEFFLERS
LIPIDOSIS	LOFGRENS
LIPOBLASTOMA	LOIN
LIPOBLASTOMATOSIS	LONG
LIPOCHONDRODYSTROPHY	LOOP
LIPOFIBROMA	LOOSE
LIPOFUSCINOSIS	LORDOSIS
LIPOID	LOSING
LIPOIDEMIA	LOSS
LIPOIDOSIS	LOU
LIPOMA	LOUD
LIPOMYOSARCOMA	LOUIS
LIPOMYXOMA	LOW
LIPOMYXOSARCOMA	LOWER
LIPOPROTEINEMIA	LOWN

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STENOSING  
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STERCOLITH  
STERCORACEOUS  
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SUBACUTE  
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SUBARACHNOID  
SUBARACHOID  
SUBCAPITAL  
SUBCAPSULAR  
SUBCECAL  
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SUBCORTICAL  
SUBCOSTAL  
SUBCUTANEOUS  
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SUBDIAPHRAGMATIC  
SUBDURAL  
SUBEFE  
SUBEMF  
SUBENDOCARDIAL  
SUBEPENDYMOA  
SUBEPIDERMAL  
SUBFRONTAL  
SUBGALEAL  
SUBGLOTTIC  
SUBGLOTTIS  
SUBHEPATIC  
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SUBLEUKEMIC  
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SUBLUXATION  
SUBMANDIBULAR  
SUBMAXILLARY  
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SUBMERGED  
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SUBPHRENIC  
SUBPLEURAL  
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SUBTOTAL  
SUCK  
SUCROSE  
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SUDDEN  
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SUFFOCATION  
SUGAR  
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SUICIDE  
SUID  
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SULFAMETHOXAZOLE  
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SUPERNUMERARY  
SUPPORT  
SUPPRESSION  
SUPPURATIVE  
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SUPRAAORTIC  
SUPRABULBAR  
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SUPRACONDYLAR  
SUPRADIAPHRAGMATIC  
SUPRAGLOTTIC  
SUPRAGLOTTIS  
SUPRAHILAR  
SUPRANUCLEAR  
SUPRAORBITAL  
SUPRAPELVIC  
SUPRAPUBIC  
SUPRARENAL  
SUPRASELLAR

SUPRAVALVULAR  
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SUPRAVT  
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SURGERIES  
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SWAN  
SWANN  
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SWITCH  
SWOLLEN  
SWYER  
SY  
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TACHYBRADYCARDIA  
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TACHYRHYTHMIA  
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TARDA  
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TEMPORARY  
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TEMPOROPONTINE  
TEMPOROSPHEOIDAL  
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TENCKOFF  
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TENDON  
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TEST  
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THALASSEMIA  
THALASSEMIC  
THANATOPHORIC  
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THECA  
THECOMA  
THEOPHYLLINE  
THEOPOHYLLINE  
THERAPEUTIC  
THERAPY  
THERMAL  
THERMOCUTANEOUS  
THERMOPLÉGIA  
THIAMINIC  
THICKENING  
THICKNESS  
THIGH  
THINNING  
THIORIDAZINE  
THIORIDIAZINE  
THIOTHIXENE  
THIRD  
THIRTEEN  
THIS  
THOMAS  
THOMSONS  
THORACENTESIS  
THORACIC  
THORACIS  
THORACO  
THORACOOAAA  
THORACOABDOMINAL  
THORACOLUMBAR  
THORACOPAGUS  
THORACOPLASTY  
THORACOSCOPY  
THORACOSTOMY  
THORACOTOMY  
THORAX  
THORAZINE  
THORN  
THORNWALDTS  
THREE  
THRIVE  
THROAT

THROMBECTOMY	TISSUES
THROMBI	TL
THROMBO	TO
THROMBOARTERITIS	TOBACCO
THROMBOCYTHEMIA	TOBACCOISM
THROMBOCYTIC	TOBACOSIS
THROMBOCYTOPENIA	TOE
THROMBOCYTOPENIC	TOES
THROMBOCYTOSIS	TOFRANIL
THROMBOEMBOLI	TOGETHER
THROMBOEMBOLIC	TOILET
THROMBOEMBOLISM	TOLBUTAMIDE
THROMBOEMBOLUS	TOLERANCE
THROMBOENCEPHALOMALACIA	TOLOSA
THROMBOENDARTERECTOMY	TOLUENE
THROMBOPENIA	TOLUOL
THROMBOPENIC	TOMOGRAPHY
THROMBOPHLEBITIS	TONGUE
THROMBOPHLEBOTIC	TONIC
THROMBOSED	TONSIL
THROMBOSIS	TONSILLAR
THROMBOSUS	TONSILLECTOMY
THROMBOTIC	TONSILLOPHARYNGEAL
THROMBUS	TONSILS
THRUSH	TOOTH
THUMB	TOPHACEOUS
THYMIC	TORCH
THYMOMA	TORN
THYMONA	TORRE
THYMUS	TORSADES
THYROCELE	TORSION
THYROGLOSSAL	TORSO
THYROID	TORTICOLLIS
THYROIDAL	TORULA
THYROIDECTOMY	TORULAR
THYROIDITIS	TORULOPSIS
THYROMEGALY	TORULOSIS
THYROTOXIC	TOTAL
THYROTOXICOSIS	TOTALLY
TI	TOUCH
TIA	TOXEMIA
TIBIA	TOXIC
TIBIAL	TOXICITY
TIC	TOXICOLOGIC
TICK	TOXICOLOGICAL
TIME	TOXICOLOGY
TIP	TOXICOSIS
TIREDNESS	TOXOPLASMA
TISSUE	TOXOPLASMIC

TOXOPLASMOSIS	TRANSURETHRAL
TP	TRANSVENOUS
TRACHEA	TRANSVERSE
TRACHEAL	TRANSVERSION
TRACHEITIS	TRANSVERSUS
TRACHEOBPN	TRANVERSE
TRACHEOBRONCHIAL	TRAPEZIAL
TRACHEOBRONCHITIS	TRAPEZOID
TRACHEOBRONCHOPN	TRAUMA
TRACHEOBRONCHOPNEUMONIA	TRAUMATIC
TRACHEOBRONCHOPNEUMONITIS	TRAUMATISM
TRACHEOCELE	TREACHER
TRACHEOESOPHAGEAL	TREATED
TRACHEOGASTRIC	TREATMENT
TRACHEOLARYNGEAL	TREATMENTS
TRACHEOMALACIA	TREE
TRACHEOPHARYNGEAL	TREFOIL
TRACHEOSTENOSIS	TREMBLING
TRACHEOSTOMY	TREMENS
TRACHEOTOMY	TREMOR
TRACHOMA	TRIAD
TRACT	TRIATRIATUM
TRACTION	TRIAVIL
TRAIT	TRICHINELLA
TRANPLANT	TRICHLOROETHANE
TRANQUILIZER	TRICUSPID
TRANSBRONCHIAL	TRICYCLIC
TRASCORTICAL	TRIFASCICULAR
TRANSCUTANEOUS	TRIFID
TRANSECTED	TRIGEMINAL
TRANSECTION	TRIGONE
TRANSFERASE	TRIGONITIS
TRANSFORMATION	TRIGONOCEPHALY
TRANSFORMED	TRILOCLULAR
TRANSFUSION	TRIMALLEOLAR
TRANSFUSIONS	TRIMESTER
TRANSIENT	TRIMETHOPRIM
TRANSITIONAL	TRIPLE
TRANSITORY	TRIPLEGIA
TRANSLOCATION	TRIPLETS
TRANSLUMINAL	TRIPLOIDY
TRANSMURAL	TRISOMY
TRANSPHENOIDAL	TRIVESSEL
TRANSPLANT	TROCHANTER
TRANSPLANTATION	TROCHANTERIC
TRANSPORT	TROISIER
TRANSPOSED	TROPHIC
TRANSPOSITION	TROPHONEUROSIS
TRANSTENTORIAL	TROPICAL

TROPICALIS  
TROUBLE  
TRUE  
TRUNCUS  
TRUNK  
TRYPSIN  
TTP  
TUBAL  
TUBE  
TUBERCULAR  
TUBERCULID  
TUBERCULIDE  
TUBERCULOSIS  
TUBERCULOSUS  
TUBERCULOUS  
TUBEROUS  
TUBES  
TUBO  
TUBOOVARIAN  
TUBULAR  
TUINAL  
TUMOR  
TUMORAL  
TUNICA  
TUNNEL  
TUR  
TURBINATE  
TURCICA  
TURNER  
TURNERS  
TURP  
TURPENTINE  
TURRICEPHALY  
TWIN  
TWINS  
TWISTED  
TWO  
TYLENOL  
TYMPANIC  
TYMPANITIS  
TYPE  
TYPHUS

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ULCERATING  
ULCERATION

ULCERATIONS  
ULCERATIVE  
ULCERS  
ULLRICH  
ULNA  
ULNAR  
ULS  
ULTRAVIOLET  
UMBILICAL  
UMBILICUS  
UMBRELLA  
UNABLE  
UNATTENDED  
UNCAL  
UNCERTAIN  
UNCIFORM  
UNCLASSIFIED  
UNCLEAR  
UNCONSCIOUS  
UNCONSCIOUSNESS  
UNCONTROLLABLE  
UNDEFINED  
UNDER  
UNDERDEVELOPED  
UNDERDEVELOPMENT  
UNDERLYING  
UNDERNOURISHED  
UNDERNOURISHMENT  
UNDERNUTRITION  
UNDERWEIGHT  
UNDESCENDED  
UNDETERMINED  
UNDEVELOPED  
UNDIFFERENTIATED  
UNEXPECTED  
UNEXPLAINED  
UNHEALED  
UNIDENTIFIED  
UNILATERAL  
UNILOBULAR  
UNINODULAR  
UNION  
UNKNOWN  
UNSPECIFIED  
UNSTABLE  
UNSUCCESSFUL  
UNVERRICHT  
UPPER  
UPSET

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URACHUS  
URATIC  
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URBACHS  
UREA  
UREMIA  
UREMIC  
URETER  
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URETERECTOMY  
URETERITIS  
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URETEROLITH  
URETEROLITHIASIS  
URETEROLITHOTOMY  
URETEROPELVIC  
URETEROSIGMOID  
URETEROSIGMOIDOSTOMY  
URETEROSTOMY  
URETEROVAGINAL  
URETEROVESICAL  
URETHRA  
URETHRAL  
URETHRITIS  
URETHROCELE  
URETHROCUTANEOUS  
URETHROVAGINAL  
URIC  
URICACIDEMIA  
URICEMIA  
URINARY  
URINE  
URINEMIA  
URODIALYSIS  
UROHEPATIC  
UROLITHIASIS  
UROLOGICAL  
URONEPHROSIS  
UROPATHY  
UROSEPSIS  
UROSEPTIC  
URTICARIA  
USAGE  
USHER  
UTERI  
UTERINE  
UTERO  
UTEROINTESTINAL

UTEROPELVIC  
UTERORECTAL  
UTEROVESICAL  
UTERUS  
UTILITY  
UVEOPAROTITIS  
UVULA  
UVULAR  
UVULITIS

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VAGINA  
VAGINAL  
VAGINALIS  
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VAGINO  
VAGINOVESICAL  
VAGOTOMY  
VALGUS  
VALIUM  
VALLECULAE  
VALLEY  
VALSALVA  
VALUE  
VALVE  
VALVES  
VALVOTOMY  
VALVULAR  
VALVULITIS  
VALVULOPATHY  
VALVULOPLASTY  
VALVULOTOMY  
VAN  
VAPOR  
VAQUEZ  
VARIANCE  
VARIANTS  
VARICEAL  
VARICELLA  
VARICES  
VARICOSE  
VARICOSIS  
VARICOSITIES

VARICOSITY  
VARIX  
VARNY  
VARUS  
VAS  
VASCULAR  
VASCULARITY  
VASCULATURE  
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VASCULOPATHY  
VASECTOMY  
VASOCONSTRICTION  
VASODILATION  
VASOGENIC  
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VELOCITY  
VELOPHARYNGEAL  
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VENOFIBROSIS  
VENOM  
VENOMOUS  
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VENTILATION  
VENTILATOR  
VENTILATORY  
VENTRAL  
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VENTRICULAR  
VENTRICULITIS  
VENTRICULOATRIAL  
VENTRICULOPERITONEAL

VENTRICULOSTOMY  
VENTRICULOTOMY  
VENTRICULR  
VERA  
VERAPAMIL  
VERBIESTS  
VERMIFORM  
VERNER  
VERRUCOSA  
VERRUCOUS  
VERSES  
VERSUS  
VERT  
VERTEBRA  
VERTEBRAE  
VERTEBRAL  
VERTEBROBASILAR  
VERTERBRAL  
VERTEX  
VERTIGO  
VERY  
VESICAL  
VESICLE  
VESICO  
VESICOABDOMINAL  
VESICOCOLONIC  
VESICOCUTANEOUS  
VESICOENTERIC  
VESICOINTESTINAL  
VESICORECTAL  
VESICOURETERAL  
VESICOURETHRAL  
VESICOVAGINA  
VESICOVAGINAL  
VESICULAR  
VESSEL  
VESSELS  
VF  
VH  
VIABLE  
VIBRIO  
VII  
VIII  
VILLANOUS  
VILLOUS  
VINCRISTINE  
VINEBERG  
VINEBERGS  
VINSON

VIRAL  
VIRCHOWS  
VIREMIA  
VIRIDANS  
VIRUS  
VISCERA  
VISCERAL  
VISCUS  
VISION  
VITAL  
VITALITY  
VITAMIN  
VITRECTOMY  
VITREOUS  
VITUS  
VOCAL  
VOGT  
VOICE  
VOLUME  
VOLUNTARY  
VOLVULUS  
VOMER  
VOMITING  
VON  
VP  
VROLIKS  
VS  
VSD  
VT  
VULGARIS  
VULVA  
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WAIST  
WALDENSTROMS  
WALKER  
WALL  
WALLENBERGS  
WALLENBURGS  
WALLGRENS  
WANDERING  
WARFARIN  
WARM  
WASP

WASPS  
WASSERMANN  
WASTING  
WATER  
WATERHOUSE  
WATERY  
WAVE  
WEAK  
WEAKNESS  
WEAN  
WEATHER  
WEB  
WEBBED  
WEBER  
WEBERS  
WEBS  
WEDGE  
WEDGED  
WEDGING  
WEEKS  
WEGENERS  
WEIGHT  
WEIGHTLESSNESS  
WEIL  
WEILL  
WEINGARTENS  
WEISS  
WELANDER  
WELCHII  
WELL  
WENCKEBACHS  
WERDNIG  
WERNERS  
WERNICKE  
WERNICKES  
WESTPHAL  
WET  
WHARTONS  
WHEEZING  
WHIP  
WHIPLASH  
WHIPPLE  
WHIRLPOOL  
WHITE  
WHOLE  
WHOOPING  
WIDESPREAD  
WIDOW  
WIEDEMANN

WIETHE  
WILLANS  
WILLEBRANDS  
WILLI  
WILLIS  
WILMS  
WILSON  
WILSONS  
WINDOW  
WING  
WINGED  
WINTER  
WISKOTT  
WITHDRAWAL  
WITTS  
WK  
WOLFE  
WOLFF  
WOLMANS  
WOOD  
WORKERS  
WORN  
WOUND  
WOUNDED  
WOUNDS  
WPW  
WRIST

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XANAX  
XANTHOGRANULOMA  
XANTHOGRANULOMATOUS  
XANTHOMA  
XANTHOMATOSIS  
XENOGRAFT  
XERODERMA  
XIPHOID  
XIPHOIDALGIA  
XIPHOIDITIS  
XIPHOPAGUS  
XRAY

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YEARS  
YEAST  
YELLOW  
YERSINIA

YOUNG

- Z -

ZELLWEGER  
ZENKERS  
ZETTERSTROM  
ZIEVES  
ZINC  
ZOLLINGER  
ZONE  
ZOSTER  
ZYGOMA  
ZYGOMATIC



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APPENDIX L - EXTERNAL CAUSES - SHORT INDEX

I. Short Index

Term	Abbreviation
Fall . . . . .	>FA
Fell . . . . .	>FE
Gunshot(to any site) . . . . .	>GS
Shot (in any site) . . . . .	>GS
Explosion . . . . .	>EXP
Machinery Accident (unspecified type of machinery) .	>MACACC
Plane Crash . . . . .	>PLCR
Tractor Accident . . . . .	>TRCACC
Accident, Accidental, Accidentally . . . . .	>ACC
Homicide, Homicidal . . . . .	>HOM
Intentional, Intentionally . . . . .	>INT
Self Inflicted . . . . .	>SI
Self Administered, Self Administration . . . . .	>SA
Suicide, Suicidal . . . . .	>SUI

SHORT INDEX: MUST INCLUDE ABBREVIATIONS from CATEGORY A, B, **and** C

**A: ACCIDENT DESCRIPTION**

Motor Vehicle Collision	>MVC-
Motor Vehicle/Vehicle Collision	>MVVHC-
Motor Vehicle/Motor Vehicle Collision	>MVMVC-
Vehicle/Vehicle Collision	>VHVHC-
Vehicle Collision	>VHC-
Car (auto, minivan) Collision	>CAC-
Car/Car Collision (2 car collision)	>CACAC-
Car/Truck (pickup) Collision	>CATRC-
Car/Heavy Transport (tractor-trailer, bus) Collision	>CAHTC-
Car /Motorcycle Collision	>CAMCC-
Car/Motor Vehicle Collision	>CAMVC-
Car/Vehicle Collision	>CAVHC-
Car Accident	>CAA-
Truck Accident	>TRA-
Motorcycle Accident	>MCA-
Motor Vehicle Accident	>MVA-
Vehicle Accident	>VHA-
Ran off Road (highway, roadway, street)	>ROR-
Ran off Road (highway, roadway, street), Overturned	>ROROT-
Ran off Road (highway, street), Struck Object*	>RORSO-
Ran off <b>Roadway</b> , Struck Object*	>RORWSO-
Lost Control	>LC-
Lost Control, Overturned	>LCOT-
Lost Control, Struck Object*	>LCSO-
Lost Control, Ran off Road (highway, roadway, street)	>LCROR-
Lost Control, Ran off Road (highway, roadway, street), Overturned	>LCROROT-
Lost Control, Ran off Road (highway, street), Struck Object*	>LCRORSO-
Lost Control, Ran off <b>Roadway</b> , Struck Object*	>LCRORWSO-
Overturned (rollover)	>OT-
Struck Object	>SO-
Hit by, run over by, struck by	>HB-

**B: STATUS OF VICTIM**

Driver (driving)	DR
Passenger	PA
Pedestrian	PE
Motorcyclist	MC
Occupant	OC
Rider (riding)	RD
Not Stated	NS

**C: TYPE OF VEHICLE**

Car (auto, minivan)	CA
Truck (pickup)	TR
Heavy Transport (large truck, bus)	HT
Motorcycle	MC
Van	VN
Motor Vehicle	MV
Vehicle	VH
Not Stated	NS
Different types of vehicles stated, Unclear which vehicle victim was in	VU

\* Struck Object: abutment, bank, bridge, ditch, culvert, guardrail, median, overpass, pole, traffic sign, tree.

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## APPENDIX M - EXTERNAL CAUSES

### II. PROMPTS

- A **Cataclysmic Events** - see page 192
- B **Transports** - see page 193
- C **Fire and Flames** - see page 208
- D **Explosions** - see page 212
- E **Excessive or Exposure to Natural and Environmental Factors** - see page 213
- F **Bites, Stings, Poisoning, Reactions to, Other Injuries by Animals and Plants** -see page 215
- G **Hot Substance or Object, Caustic or Corrosive Material, and Steam** - see page 217
- H **Electrical Current** - see page 218
- I **Firearms** - see page 219
- J **Radiation** - see page 220
- K **Drowning or Submersion with Activities in Water** - see page 221
- L **Circumstances Involving Suffocation, Strangulation, Obstruction, Aspiration, Choking, or Asphyxiation** - see page 223
- M **Tools, Appliances, and Sharp Objects (Includes Lawn Mowers)** - see page 225
- N **Machinery in Operation** - see page 227
- O **Falling, Diving, jumping, pushed** - see page 228
- P **Abuse, Assault, Abandonment, Neglect** - see page 230
- Q **Legal Interventions and Operations of War** - see page 231
- R **Other** - see page 233

10/04/95

**A. CATAclySMIC EVENTS CAUSING ANY ACCIDENT OR INJURY** (Page 1 or 1)  
(Cataclysmic event **must be** in progress at time of accident and be a direct cause of the injury)

**Excludes:**

- (1) An injury caused by fall of tree or other object, caused by lightning. Reselect R.
- (2) Lightning resulting in fire. Reselect C.
- (3) A transport accident involving a collision with landslide or avalanche. Reselect B.

**Includes:** A transport washed off the road by storm

05:	Avalanche
10:	Blizzard
15:	Cloudburst
20:	Collapse of dam
25:	Cyclone
30:	Earthquake
35:	Flood (Flood caused by melting snow, flood resulting from storm)
40:	Hurricane
45:	Landslide
50:	Lightning (With resulting fire - see Fire - C)
55:	Mudslide
60:	Storm - unspecified
65:	Tidal wave caused by storm (Tsunami)
70:	Tidal wave unspecified or not caused by storm
75:	Tornado
80:	Torrential rain
85:	Transport washed off the road by a storm
90:	Volcanic eruption
88:	Other specified
99:	Unspecified

**! S T O P !**

**End of Cataclysmic Events Causing Any Accident or Injury**

B. TRANSPORTS (Page 1 of 15)

1. Type Vehicle?

**Motor vehicle designed primarily for on-road use**

- 01: **Automobile** (Car, minivan, minibus)
- 02: **Truck** (Pickup)
- 03: **Van**
- 04: **Heavy transport vehicle** (Tractor-trailer truck, panel truck)
- 05: **Bus**
- 06: **Motor vehicle** (Stated as Motor Vehicle or MV)
- 07: **Stated "Traffic Accident", no vehicle specified on record**

**Motorcycle**

- 08: **Motorcycle, motorscooter** (Includes motorized bicycle, motorcycle with sidecar)
- 09: **Motorized tricycle**
- 10: **Moped**

**Work vehicle (in transit)**

- 11: **Industrial vehicle** (Coal car, logging car, battery powered vehicle, baggage truck, other)
- 12: **Tractor**
- 13: **Other agricultural vehicle** (Combine, harvester)
- 14: **Construction vehicle** (Road scraper, road grader, backhoe, snowplow)
- 15: **Bulldozer**

**Recreational Vehicle**

- 16: **All-terrain vehicle** (ATV)
- 17: **Off-road vehicle** (Go cart, minibike, dirt bike, race car, three wheeler, golf cart)
- 18: **Snowmobile**

**Other (in transit)**

- 20: **Other ground transport** (Army tank, hovercraft over land)

**MORE ON NEXT PAGE**

**! C O N T I N U E next page !**

B. TRANSPORTS - Continued (Page 2 of 15)

**Water craft**

- 21: **Merchant Ship**
- 22: **Passenger ship** (Ferry, liner)
- 23: **Ship, unspecified**
- 24: **Fishing Boat, powered**
- 25: **Fishing Boat, unpowered**
- 26: **Fishing Boat, unspecified**
- 27: **Sailboat**
- 28: **Yacht**
- 29: **Canoe or Kayak**
- 30: **Inflatable craft** (Unpowered, raft)
- 31: **Water-skis**
- 32: **Other powered watercraft** (Hovercraft over water, jetski, powerboat)
- 33: **Other unpowered watercraft** (Surf board, wind surfer)
- 34: **Unspecified watercraft** (Boat)

**Aircraft - Powered**

- 35: **Helicopter** (Non-military)
- 36: **Ultralight** (Microlight, powered glider)
- 37: **Private airplane**
- 38: **Commercial airplane** (Commercial jet, 747, etc.)
- 39: **Military aircraft** (C-130, F-15, military helicopter, etc.)
- 40: **Space craft**
- 43: **Other specified powered aircraft** (Airplane, jet, Cessna, blimp, etc.)

**MORE ON NEXT PAGE**

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B. TRANSPORTS - Continued (Page 3 of 15)

**Aircraft - Unpowered and Unspecified**

- 44: Balloon**
- 45: Hang glider**
- 46: Glider**
- 47: Parachute**
- 48: Other specified non-powered aircraft (Kite)**
- 49: Unspecified non-powered aircraft**
- 50: Unspecified aircraft**

**Railed Vehicle**

- 51: Railway Train (Subway)**
- 52: Streetcar (Cable car on rails, tram, trolley)**

**Other vehicles**

- 53: Cable car (Not on rails or unspecified)**
- 54: Ski lift, gondola**
- 55: Ice yacht, land yacht**
- 56: Other**

**Non motor vehicle**

- 57: Pedal cycle (Bicycle, tricycle)**
- 58: Other**

**Animal**

- 59: Animal being ridden**
- 60: Animal drawn vehicle**
- 61: Other**

**Objects set in motion by**

- 62: Railway train**
- 63: Motor vehicle**
- 64: Non-motor vehicle**

- 88: Other specified**
- 99: Unspecified**

**! C O N T I N U E next page !**

**B. TRANSPORTS - Continued (Page 4 of 15)**

2. Location of transport at time of accident<sup>1</sup>

- |  |
|--|
| <p><b>01: On highway</b> (Being driven on, left, ran off: highway, street, road, military reservation, alley, Route #, roadway)</p> <p><b>02: Off highway</b> (Being driven: home, yard, parking lot, farm, park, school grounds)</p> <p><b>03: Left highway and re-entered</b></p> <p><b>04: Stationary</b> (Parked car, car in garage)</p> <p><b>05: At airport, on runway, arriving, landing, departing, taking off</b></p> <p><b>06: In flight, enroute, midair</b></p> <p><b>07: Railway yard, railway track, railroad</b></p> <p><b>08: In water</b> (Lake, river, ocean)</p><br><p><b>88: Other specified</b></p> <p><b>99: Unspecified</b></p> |
|--|

**! C O N T I N U E next page !**

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<sup>1</sup> If Location not reported in term, use information from Place of Injury. If Place of Injury is not stated, enter 99.

B. **TRANSPORTS** - Continued (Page 5 of 15)

3. Collision

3a: Collision with

**SS: Skip** (No collision mentioned)<sup>2</sup>

**Motor vehicle designed primarily for on-road use**

**01: Automobile** (Car, minivan, minibus)

**02: Truck** (Pickup)

**03: Van**

**04: Heavy transport vehicle** (Tractor-trailer truck, panel truck)

**05: Bus**

**06: Motor vehicle** (Stated as Motor Vehicle or MV)

**07: Stated "Traffic Accident", no vehicle specified on record**

**Motorcycle**

**08: Motorcycle, motorscooter** (Includes motorized bicycle, motorcycle with sidecar)

**09: Motorized tricycle**

**10: Moped**

**Work vehicle (in transit)**

**11: Industrial vehicle** (Coal car, logging car, battery powered vehicle, baggage truck, other)

**12: Tractor**

**13: Other agricultural vehicle** (Combine, harvester)

**14: Construction vehicle** (Road scraper, road grader, backhoe, snowplow)

**15: Bulldozer**

**MORE ON NEXT PAGE**

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<sup>2</sup> PC Data Entry: Question 3b will automatically be assigned code SS.

B. TRANSPORTS - Continued (Page 6 of 15)

**Recreational Vehicle**

- 16: **All-terrain vehicle** (ATV)
- 17: **Off-road vehicle** (Go cart, minibike, dirt bike, race car, three wheeler, golf cart)
- 18: **Snowmobile**

**Other (in transit)**

- 20: **Other ground transport** (Army tank, hovercraft over land)

**Water craft**

- 21: **Merchant Ship**
- 22: **Passenger ship** (Ferry, liner)
- 23: **Ship, unspecified**
- 24: **Fishing Boat, powered,**
- 25: **Fishing Boat, unpowered**
- 26: **Fishing Boat, unspecified**
- 27: **Sailboat**
- 28: **Yacht**
- 29: **Canoe or Kayak**
- 30: **Inflatable craft** (Unpowered, raft)
- 31: **Water-skis**
- 32: **Other powered watercraft** (Hovercraft over water, jetski, powerboat)
- 33: **Other unpowered watercraft** (Surf board, wind surfer)
- 34: **Unspecified watercraft** (Boat)

MORE ON NEXT PAGE

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**B. TRANSPORTS - Continued (Page 7 of 15)**

**Aircraft - Powered**

- 35: Helicopter** (Non-military)
- 36: Ultralight** (Microlight, powered glider)
- 37: Private airplane**
- 38: Commercial airplane** (Commercial jet, 747, etc.)
- 39: Military aircraft** (C-130, F-15, military helicopter, etc.)
- 40: Space craft**
- 43: Other specified powered aircraft** (Airplane, jet, Cessna, blimp, etc.)

**Aircraft - Unpowered and Unspecified**

- 44: Balloon**
- 45: Hang glider**
- 46: Glider**
- 47: Parachute**
- 48: Other specified non-powered aircraft (Kite)**
- 49: Unspecified non-powered aircraft**
- 50: Unspecified aircraft**

**Railed Vehicle**

- 51: Railway Train** (Subway)
- 52: Streetcar** (Cable car on rails, tram, trolley)

**Other vehicles**

- 53: Cable car** (Not on rails or unspecified)
- 54: Ski lift, gondola**
- 55: Ice yacht, land yacht**
- 56: Other**

**MORE ON NEXT PAGE**

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B. TRANSPORTS - Continued (Page 8 of 15)

**Nonmotor Vehicle**

**57: Pedal cycle** (Bicycle, tricycle)

**58: Other**

**Animal**

**59: Animal being ridden**

**60: Animal drawn vehicle**

**61: Other** (Includes hitting animal, deer, cow, etc.)

**Objects set in motion by**

**62: Railway train**

**63: Motor vehicle**

**64: Non-motor vehicle**

**65: Pedestrian or pedestrian conveyance** (Skateboard, sled, wheelchair)

**Stationary Object**

**66: Object normally on highway** (Tree, bridge, abutment, overpass, ditch, post, guardrail, mailbox, weight station, welcome center)

**67: Objects normally off highway** (House, other buildings, commercial or private)

**68: Unspecified object** (Fixed object)

**88: Other specified**

**99: Unspecified**

**! C O N T I N U E next page !**

**B. TRANSPORTS - Continued (Page 9 of 15)**

3b. Location of transport at time of collision:<sup>3</sup>

- SS: Skip** (No collision mentioned)<sup>4</sup>
- 01: On highway** (Road, street, alley)
- 02: Off highway** (off road,) (off street,) (off highway property)
- 03: On roadway**
- 04: Off roadway** (off travel portion of road)
  
- 06: In flight, enroute, midair**
  
- 08: In water** (Lake, river, ocean)
  
- 88: Other specified** (Runway)
- 99: Unspecified**

**! C O N T I N U E next page !**

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<sup>3</sup> If Location not reported in term, use information from Place of Injury. If Place of Injury is not stated, enter 99.

<sup>4</sup> PC Data Entry: Question 3b will automatically be assigned code SS.

B. TRANSPORTS - Continued (Page 10 of 15)

4. Other Circumstances  
4a: Involving vehicle

- 01: **Loss of control of vehicle** (Derailment, overturned, skidded, ran off road or roadway)
- 02: **Submerging, sinking** (Overturned boat)
- 03: **Explosion, fire, or burning of vehicle**
- 04: **Object thrown on, fell on or in**
- 05: **Machinery accident on transport**
- 06: **Excessive heat in or from transport**
  
- 88: **Other specified**
- 99: **Unspecified**

4b: Involving Victim

- 01: **Fell** (Or other accident) **while boarding or alighting**
- 02: **Inhaled or poisoned by carbon monoxide, exhaust fumes, and smoke from vehicle**
  
- Fell in, on, or from vehicle
- 03: **On stairs or ladder**
- 04: **Other fall from one level to another, fall from any vehicle, animal**
- 05: **Other and unspecified fall**
  
- 06: **Run over by, knocked down by, entangled in vehicle, struck by**
- 07: **Injury from moving part or breakage of part, thrown against some part of, sucked into jet, hit by propeller.**
- 08: **Thrown from, ejected from**
- 09: **Drowning, submersion, fell from or washed overboard**
- 10: **Crushed between transports**
- 11: **Electrocuted**
  
- 88: **Other specified** (Pinned under)
- 99: **Unspecified**

! C O N T I N U E next page !

**B. TRANSPORTS - Continued (Page 11 of 15)**

5. Decedent Information  
5a: Status of Decedent

**Person in or on Vehicle**

- 01: Driver** (Motorcyclist, bicyclist, cyclist)
- 02: Passenger**
- 03: Occupant**
- 04: Rider** (Riding, in back of truck)
- 05: Rider on outside of vehicle**
- 06: Crew** (Railroad conductor, engineer, pilot, flight attendant)

**Person not in or on Vehicle<sup>5</sup>**

- 07: Pedestrian**
- 08: Airline ground crew**
- 09: Person on ground injured in air transport accident**
- 10: Water skier**
- 11: Swimmer**
- 12: Dock Worker, Stevedore**

**Other**

- 88: Other specified position**
- 99: Unspecified position**

**! C O N T I N U E next page !**

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<sup>5</sup> For PC Data Entry: Question 5b will automatically be assigned code SS if Status of Decedent is not in vehicle.

B. TRANSPORTS - Continued (Page 12 of 15)

5b. Decedent was occupant of which vehicle:

**SS: Skip, decedent was not occupant of vehicle<sup>6</sup>**

**77: Different types of vehicles stated, unclear which vehicle decedent was in**

**Motor vehicle designed primarily for on-road use**

**01: Automobile** (Car, minivan, minibus)

**02: Truck** (Pickup)

**03: Van**

**04: Heavy transport vehicle** (Tractor-trailer truck, panel truck)

**05: Bus**

**06: Motor vehicle** (Stated as Motor Vehicle or MV)

**07: Stated "Traffic Accident", no vehicle specified on record**

**Motorcycle**

**08: Motorcycle, motorscooter** (Includes motorized bicycle, motorcycle with sidecar)

**09: Motorized tricycle**

**10: Moped**

**Work vehicle (in transit)**

**11: Industrial vehicle** (Coal car, logging car, battery powered vehicle, baggage truck, other)

**12: Tractor**

**13: Other agricultural vehicle** (Combine, harvester)

**14: Construction vehicle** (Road scraper, road grader, backhoe, snowplow)

**15: Bulldozer**

**MORE ON NEXT PAGE**

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<sup>6</sup> PC Data Entry: Question 5b will automatically be assigned code SS.

B. TRANSPORTS - Continued (Page 13 of 15)

Recreational vehicle

16: **All-terrain vehicle** (ATV)

17: **Off-road vehicle** (Go cart, minibike, dirt bike, race car, three wheeler, golf cart)

18: **Snowmobile**

Other (in transit)

20: **Other ground transport** (Army tank, hovercraft over land)

Watercraft

21: **Merchant Ship**

22: **Passenger ship** (Ferry, liner)

23: **Ship, unspecified**

24: **Fishing Boat, powered**

25: **Fishing Boat, unpowered**

26: **Fishing Boat, unspecified**

27: **Sailboat**

28: **Yacht**

29: **Canoe or Kayak**

30: **Inflatable craft** (Unpowered, raft)

31: **Water-skis**

32: **Other powered watercraft** (Hovercraft over water, jetski, powerboat)

33: **Other unpowered watercraft** (Surf board, wind surfer)

34: **Unspecified watercraft** (Boat)

MORE ON NEXT PAGE

! C O N T I N U E next page !

B. TRANSPORTS - Continued (Page 14 of 15)

**Aircraft - Powered**

- 35: **Helicopter** (Non-military)
- 36: **Ultralight** (Microlight, powered glider)
- 37: **Private airplane**
- 38: **Commercial airplane** (Commercial jet, 747, etc.)
- 39: **Military aircraft** (C-130, F-15, military helicopter, etc.)
- 40: **Space craft**
- 41: **Involved in crop dusting, skywriting, airdrops, lowering materials, parachuting.**
- 42: **Involved in storm or traffic surveillance, rescue** (Includes pilot or passenger of private plane).
- 43: **Other specified powered aircraft** (Airplane, jet, Cessna, blimp, etc.)

**Aircraft - Unpowered and Unspecified**

- 44: **Balloon**
- 45: **Hang glider**
- 46: **Glider**
- 47: **Parachute**
- 48: **Other specified non-powered aircraft** (Kite)
- 49: **Unspecified non-powered aircraft**
- 50: **Unspecified aircraft**

**Railed Vehicle**

- 51: **Railway Train** (Subway)
- 52: **Streetcar** (Cable car on rails, tram, trolley)

**Other vehicles**

- 53: **Cable car** (Not on rails or unspecified)
- 54: **Ski lift, gondola**
- 55: **Ice yacht, land yacht**
- 56: **Other**

**MORE ON NEXT PAGE**

**! C O N T I N U E next page !**

**B. TRANSPORTS - Continued (Page 15 of 15)**

**Non motor vehicle**

**57: Pedal cycle** (Bicycle, tricycle)

**58: Other**

**Animal**

**59: Animal being ridden**

**60: Animal drawn vehicle**

**61: Other**

**88: Other specified**

**99: Unspecified**

**! STOP !**

**END OF TRANSPORTS**

**C. FIRE AND FLAMES** (Page 1 of 4)

**Excludes:** Fire caused by transport accident. Reselect B.

1. Origin of fire

05: Blowlamp	40: Furnace
10: Blowtorch	45: Lighter/match
15: Brazier	50: Lightning
20: Candle	55: Stove, Heater (Gas, wood, electric)
25: Cigarette/cigar/pipe	60: Welding torch
30: Explosion	65: Wiring, electric
35: Fireplace	
88: Other specified	
99: Unspecified	

**! C O N T I N U E next page !**

C. **FIRE AND FLAMES** - Continued (Page 2 of 4)

2. IF fire caused by Explosion, indicate agent

**SS: No explosion involved**

**Pressurized Materials**

- 10: Aerosol can**
- 11: Boiler, hot water heater**
- 12: Gas cylinder, air tank**
- 13: High Pressure jet** (Hydraulic jet, pneumatic jet)
- 14: Motor vehicle tire**
- 15: Pressurized pipe or hose**
- 16: Unspecified pressure vessel**

**Explosive Materials**

- 20: Gas, gasoline, methane, propane** (Heater, stove)
- 21: Kerosene, oil** (Heater, stove)
- 22: Fireworks**
- 23: Blasting materials** (Dynamite)
- 24: Acetylene**
- 25: Butane**
- 26: Bomb**
- 27: Unspecified explosive material**
  
- 30: In mine**
  
- 88: Other specified** (Unspecified stove)
- 99: Unspecified**

**! C O N T I N U E next page !**

C. FIRE AND FLAMES - Continued (Page 3 of 4)

3. Fire located in

**01: Private dwelling**

(Apartment, boarding house, camping place, caravan, farmhouse, home, house, lodging house, private garage, rooming house, tenement)

**02: Other building or structure**

(Barn, church, convalescent or nursing home, factory, farm out-building, hospital, hotel, educational institution, dormitory, school, shop, store, theater)

**03: Not in building or structure**

(Stationary vehicle, forest, field (prairie), mine, bonfire, campfire, trash fire)

**88: Other specified**

**99: Unspecified**

4. Resulted in large uncontrolled fire

**01: Yes** (Indications of uncontrolled fire such as "housefire," "house burned", "fire in home", or fire AND place of injury is reported as HOME, unless indications that fire was restricted to a specific area in the home)

**02: No** (Indication of controlled fire limited to a piece of furniture, a single room, or a limited area, bonfire, campfire, trash fire)

**99: Unspecified**

C O N T I N U E next page !

C. **FIRE AND FLAMES** - Continued (Page 4 of 4)

5. Fire ignited

**Explosive Materials**

- 01: Highly inflammable liquids and material** (Benzene, gasoline, kerosene)
- 02: Blasting materials**
- 03: Explosive gases**
- 04: Other explosives**

**Clothing**

- 21: Bed, bed linens, bedspread**
- 22: Nightwear** (Pajamas, night gown)
- 23: Other clothes and apparel** (Dress, melting of plastic jewelry)
  
- 88: Other specified**
- 99: Unspecified**

6. Victim

- 05: Burned, thermal injury**
- 10: Cremated, incinerated**
- 15: Jumped from burning building**
- 20: Building collapsed**
- 25: Fell into fire**

**Asphyxiated By, Inhaled, Suffocated, Poisoned By, Intoxicated By**

- 30: Smoke, soot**
- 35: Carbon monoxide**
- 40: Fumes from PVC**
- 45: Fumes, gas** (Noxious, unspecified source)
- 50: Inhalation of flames**
- 55: Products of combustion**
- 60: Was asphyxiated** (Suffocated) - means unspecified
  
- 88: Other specified**
- 99: Unspecified**

**! S T O P !**

**END OF FIRE AND FLAMES**

D. **EXPLOSIONS** (Burned by, blistered by, knocked down by, fell because of) (Page 1 of 1)

**Excludes:**

- (1) An explosion involving a transport. Reselect B.
- (2) An explosion involving machinery. Reselect N.

(Explosion of)

**Pressurized Materials**

- 10: **Aerosol can**
- 11: **Boiler, hot water heater**
- 12: **Gas cylinder, air tank**
- 13: **High Pressure jet** (Hydraulic jet, pneumatic jet)
- 14: **Motor vehicle tire**
- 15: **Pressurized pipe or hose**
- 16: **Unspecified pressure vessel**

**Explosive Materials**

- 20: **Gas, gasoline, methane, propane** (Heater, stove)
- 21: **Kerosene, oil** (Heater, stove)
- 22: **Fireworks**
- 23: **Blasting materials** (Dynamite)
- 24: **Acetylene**
- 25: **Butane**
- 26: **Bomb**
- 27: **Unspecified explosive material**
  
- 30: **In mine**
  
- 88: **Other specified** (Unspecified stove)
- 99: **Unspecified**

**! S T O P !**

**END OF EXPLOSIONS**

**E. EXCESSIVE OR EXPOSURE TO NATURAL AND ENVIRONMENTAL FACTORS** (Page 1 of 2)

**Heat, Cold, Weather, and Environment** (codes 01-12)

- 01: Heat due to weather conditions**
- 02: Heat of manmade origin**
- 03: Heat unspecified origin**
- 04: Cold due to weather conditions** (Includes indications of being outside)
- 05: Cold of manmade origin**
- 06: Cold other specified origin**
- 07: Cold unspecified origin**
- 08: Weather** (Unspecified hot or cold, natural environment)
- 09: Exposure to sunlight** (Sun stroke)
- 10: Other specified exposure to environment**
- 11: Unspecified exposure to environment**
- 12: Exposure, unspecified**

**High and Low Air Pressure and Changes in Air Pressure** (codes 21-26)

- 21: Residence or prolonged visit at high altitude**
- 22: In aircraft**
- 23: Due to diving**
- 24: Surfacing from underground**
- 25: Other specified causes**
- 26: Unspecified**

**Neglect or Abandonment** (codes 31-37)

- 31: By spouse or partner**
- 32: By parent, step-parent**
- 33: By acquaintance or friend** (Boss, co-worker)
- 34: By official authority**
- 35: By other relative** (Brother, sister, etc.)
- 36: By other specified persons**
- 37: By unspecified person** (Assailant, mugger, robber, vague reference to the person)

**MORE ON NEXT PAGE**

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**E. EXCESSIVE OR EXPOSURE TO NATURAL AND ENVIRONMENTAL FACTORS -**  
Continued (Page 2 of 2)

**Hunger, Thirst** (codes 38-40)

**38: Lack of food**

**39: Lack of water**

**40: Privation, unqualified**

**Other** (codes 50-55)

**50: Overexertion , strenuous exercise** (Running, lifting heavy objects, rowing, etc.)

**51: Prolonged stay in weightless environment**

**52: Noise, sound waves, supersonic waves**

**53: Vibration**

**54: Travel and motion**

**55: Abnormal gravitational (G) forces**

**88: Other specified**

**99: Unspecified**

**! S T O P !**

**END OF EXCESSIVE OR EXPOSURE TO NATURAL AND ENVIRONMENTAL FACTORS**

**F. BITES, STINGS, POISONING, REACTIONS TO, OTHER INJURIES BY ANIMALS AND PLANTS** (Page 1 of 2)

**Excludes:** Ingestion of poisonous plants. Reselect L.

**Includes:** Butted by, gored by, pecked by, stung by, bitten by, run over by, stepped on by, fallen on by, kicked by.

1. STATED as venomous or nonvenomous

<p><b>01: Stated as venomous or poisonous</b></p> <p><b>02: Stated as nonvenomous or nonpoisonous</b></p> <p><b>99: Not stated</b></p>
--

**! C O N T I N U E next page !**

**F. BITES, STINGS, POISONING, REACTIONS TO, OTHER INJURIES BY ANIMALS AND PLANTS - Continued (Page 2 of 2)**

2. Type animal or plant

<b>Mammals</b>	<b>Insects/Arthropods</b>
01: Bull	10: Bee
02: Cat	11: Centipede
03: Cow	12: Millipede
04: Dog	13: Hornet
05: Horse (Mule, donkey, burro, pony, etc.)	14: Scorpion
06: Pig	15: Tarantula
07: Rat	16: Spider (Any kind, excluding Tarantula)
08: Rodents other than rats	17: Wasp
09: Other mammal (Excluding marine animals)	18: Yellow jacket
	19: Tick
	20: Other insect (Ant)
	21: Other arthropod (Caterpillar)
<b>Reptiles</b>	<b>Marine Animals</b>
22: Crocodile, alligator	30: Jelly fish
23: Viper	31: Shark
24: Snake	32: Sea snake
25: Lizard	33: Other Marine Animal (Sea urchin, sea cucumber, whale, nematocysts)
26: Other reptile (Gila monster)	
88: Other specified animal	40: Bird (Any kind)
<b>Plants (contact with)</b>	
50: Plant thorns, spines and sharp leaves	
51: Marine plants	
52: Other plants	
99: Unspecified plant or animal	

**! S T O P !**

**END OF BITES, STINGS, POISONING, REACTIONS TO, OTHER INJURIES BY ANIMALS AND PLANTS**

**G. HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSIVE MATERIAL, AND STEAM**  
(Scalded by, burned by, fell onto) (Page 1 of 1)

**Excludes:** Heat caused by a fire. Reselect C.

**Hot liquids and vapors including steam**

- 01: Hot tap water** (Water from faucet, bathtub, bucket, water hose, etc.)
- 02: Hot food, drink, fat, cooking oil**
- 03: Other Liquids** (Boiling, hot, water heated on stove, etc.)
- 04: Hot metal** (Liquid metal)
- 05: Steam, hot vapors**
- 06: Hot air and gases**

**Caustic and corrosive substances**

- 10: Acid**
- 11: Ammonia**
- 12: Oven cleaner**
- 13: Lye**
- 14: Chemicals**
- 15: Other and unspecified caustic or corrosive substance**

**Other**

- 20: Heat from electric appliance**
- 21: Household appliance, hot object** (Iron, coffee pot, toaster, hot plate)
- 22: Stove** (Electric, gas)
- 23: Other heating appliances** (Radiators, pipes, heating pads)
- 24: Hot engine, machine or tools**
  
- 88: Other specified hot substance or object**
- 99: Unspecified hot substance or object**

**! S T O P !**

**END OF HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSIVE MATERIAL, AND STEAM**

H. **ELECTRICAL CURRENT** (Burn, cardiac fibrillation, convulsion, electric shock, electrocution, puncture wound, respiratory paralysis) (Page 1 of 1)

**Includes:**

- (1) Transport accidents where victim is clear of vehicle
- (2) Machinery contacting electrical current

**Caused by**

- 05: Transmission line** (Over 500 volts, high tension, power line, high voltage line) (Anywhere)
- 10: Broken power line** (Broken transmission line) (Anywhere)
- 15: Domestic wiring and appliances** (Up to 220 volts)
- 20: Distribution station** (Over 500 volts, includes generating plant)
- 25: Industrial wiring and appliances** (Plant, factory, transformer)
- 30: Other wiring and appliances** (Farm wiring but not farmhouse, outdoors, public building, residential construction, school, outside TV antenna)
- 88: Other specified**
- 99: Unspecified**

**! S T O P !**

**END OF ELECTRICAL CURRENT**

I. **FIREARMS** (Page 1 of 1)

1. Type of weapon

<b>05:</b>	<b>Pistol</b> (Handgun)		
	<b>Revolver</b>	<b>38 Caliber</b>	<b>Saturday night special</b>
	<b>25 Caliber</b>	<b>45 Caliber</b>	
	<b>32 Caliber</b>	<b>357 Magnum</b>	
<b>10:</b>	<b>Shotgun</b> (8, 10, 12, 16, 20, 410 gauge, buckshot)		
<b>15:</b>	<b>Rifle</b> (Hunting), <b>30.06</b> (30 ought 6), <b>30/30</b> , <b>25.06</b> (25 ought 6), <b>308</b>		
<b>20:</b>	<b>Military</b>		
	<b>M1</b>	<b>M14</b>	<b>Army rifle</b>
	<b>M1 carbine</b>	<b>M16</b>	
	<b>Machine gun</b>	<b>AK47</b>	
<b>88:</b>	<b>Other specified</b>		
	<b>Verey pistol</b> (Flare)	<b>pellet pistol</b>	<b>BB gun</b>
	<b>Airgun</b>	<b>pellet gun</b>	
<b>99:</b>	<b>Unspecified</b>		
	<b>22 Caliber gun</b>	<b>30 Caliber gun</b>	

2. Circumstances

<b>01:</b>	<b>Playing Russian Roulette</b>
<b>02:</b>	<b>While cleaning, handling or playing with gun</b>
<b>03:</b>	<b>Hunting</b>
<b>04:</b>	<b>Shot by police</b> (Security guard)
<b>05:</b>	<b>Shot by other person</b>
<b>06:</b>	<b>Self-inflicted, shot self</b>
<b>88:</b>	<b>Other specified</b>
<b>99:</b>	<b>Unspecified shooting</b> (Shot)

**! S T O P !**

**END OF FIREARMS**

**J. EXPOSURE TO RADIATION** (Overexposure to, exposure to, burns from, blistering, burning) (Page 1 of 1)

**Excludes:** Medical procedures, medical therapy, radiation therapy, etc. Follow general MICAR data entry rules.

**05: Radio frequency radiation**

**10: Infrared heaters and lamps**

**Visible & ultraviolet light sources**

**15: Arc lamps**

**20: Sun rays**

**25: Tanning booth or bed**

**30: Welding arc**

**35: Other**

**40: X-rays**

**45: Lasers**

**50: Radioactive isotopes**

**55: Nuclear fuel**

**60: Natural radiation** (Uranium)

**88: Other specified**

**99: Unspecified**

**! S T O P !**

**END OF EXPOSURE TO RADIATION**

**K. DROWNING OR SUBMERSION WITH ACTIVITIES IN WATER** (SPORTS, COMMERCE, RESCUE, BATHING) (fell, walked in, while in) (Page 1 of 2)

**Excludes:**

- (1) Accidents involving transports. Reselect B.
- (2) Accidents involving machinery. Reselect N.

1. Type Activity

**Sport or recreation**

- 01: Diving**
- 03: Fishing**
- 05: Hunting**
- 07: Ice skating**
- 09: Playing or wading in water**
- 11: Scuba diving**
- 13: Skin diving**
- 15: Surf boarding**
- 17: Swimming**
- 19: Water skiing**
- 21: Other sport or recreation**

**Swimming or diving involving other than sport/recreation**

- 41: Marine salvage**
- 43: Pearl diving**
- 45: Placement of fishing nets**
- 47: Rescuing another person**
- 49: Underwater construction**
- 50: Other commercial activity**

**Other Activity**

- 88: Other specified** (fell, jumped, pushed)
- 99: Unspecified**

**! C O N T I N U E next page !**

K. DROWNING OR SUBMERSION WITH ACTIVITIES IN WATER - Continued (Page 2 of 2)

2. Decedent fell, was pushed?

- |                           |
|---------------------------|
| <b>01:</b> Fell, slipped  |
| <b>02:</b> Jumped, pushed |
| <b>99:</b> Unspecified    |

3. Place

- |   |
|---|
| <b>05:</b> Bathtub (Bathing), jacuzzi, hot tub  |
| <b>10:</b> Quenching tank   |
| <b>15:</b> Swimming pool  |
| <b>20:</b> River  |
| <b>25:</b> Ocean (Sea, bay, salt water)   |
| <b>30:</b> Lake   |
| <b>35:</b> Pond   |
| <b>40:</b> Other Natural Body of Water (Stream, creek, swamp, fresh water, brackish water, shore) |
| <b>88:</b> Other specified (Pool, wading pool, reservoir, irrigation ditch, canal)                |
| <b>99:</b> Unspecified water  |

! S T O P !

END OF DROWNING OR SUBMERSION WITH ACTIVITIES IN WATER

L. **CIRCUMSTANCES INVOLVING SUFFOCATION, OBSTRUCTION, ASPIRATION OR ASPHYXIATION** (Choked on, asphyxia by, suffocation by, obstruction of airway, strangulation, aspiration, inhalation foreign body) (Page 1 of 2)

1. Cause of circumstances

- |            |  |
|------------|--|
| <b>01:</b> | <b>Food</b> (Bone, food bolus, seed)   |
| <b>02:</b> | <b>Gastric contents</b> (Vomitus, regurgitated food, fecal matter, stomach acid)   |
| <b>03:</b> | <b>Nonfood</b> (Blood, medicine, mucus, secretion NOS, chewing gum, sputum)  |
| <b>04:</b> | <b>Stated "Foreign Body" <sup>7</sup></b>  |
| <b>05:</b> | <b>Plastic bag</b>   |
| <b>06:</b> | <b>Enclosed space</b> (Shut in refrigerator, air-tight space)  |
| <b>07:</b> | <b>Falling earth or other substance</b> (Cave-in)  |
| <b>08:</b> | <b>Hanging, asphyxia, strangulation, or suffocation by device around neck</b> (Ligature)   |
| <b>09:</b> | <b>Bed, crib, baby carriage, bed clothing, infants while asleep</b>  |
| <b>10:</b> | <b>Strangulation, asphyxia, or suffocation not by foreign body</b> (Compression, constriction, pressure, mechanical, positional) |
| <b>88:</b> | <b>Other specified</b>   |
| <b>99:</b> | <b>Unspecified</b>   |

**! C O N T I N U E next page !**

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<sup>7</sup> If "Foreign Body" is stated in the certification, but more specific information is reported elsewhere on the certificate, prefer codes 01, 02, or 03.

L. CIRCUMSTANCES INVOLVING SUFFOCATION, OBSTRUCTION, ASPIRATION OR ASPHYXIATION - Continued (Page 2 of 2)

2. Location of obstruction

- |     |   |
|-----|---|
| 01: | Airway                                      |
| 02: | Bronchus                                    |
| 03: | Bronchiole                                  |
| 04: | Esophagus                                   |
| 05: | Intestine (Small, jejunum)                  |
| 06: | Large Intestine (Colon)                     |
| 07: | Larynx                                      |
| 08: | Lung  |
| 09: | Mouth                                       |
| 10: | Nasopharynx, Oropharynx                     |
| 11: | Nose  |
| 12: | Pharynx                                     |
| 13: | Respiratory                                 |
| 14: | Stomach                                     |
| 15: | Throat                                      |
| 16: | Trachea                                     |
| 88: | Other specified site                        |
| 99: | Unspecified site or no obstruction reported |

! S T O P !

END OF CIRCUMSTANCES INVOLVING SUFFOCATION, OBSTRUCTION, ASPIRATION, OR ASPHYXIATION

M. **TOOLS, APPLIANCES, AND SHARP OBJECTS** (Page 1 of 2)

**Excludes:**

- (1) Accidents involving broken glass caused by EXPLOSION. Reselect D.
- (2) Accidents involving broken glass caused by discharge of FIREARM. Reselect I.

**Includes:** Accidents involving lawn mower, powered or unpowered

1. Act

- |                            |
|----------------------------|
| <b>01: Stabbed by</b>      |
| <b>02: Cut by</b>          |
| <b>03: Falling on</b>      |
| <b>04: Injured by</b>      |
| <b>88: Other specified</b> |
| <b>99: Unspecified</b>     |

2. Type

**Powered**

- |   |
|---|
| <b>01: Hand Tools</b> (Chain saw, drill, handsaw, hedge clipper, rivet gun, staple gun)                                 |
| <b>02: Household Appliances and implements</b> (Blender, electric can opener, electric fan, electric knife)             |
| <b>03: Industrial Tools</b> (Band saw, bench saw, circular saw, overhead plane, powered saw, radial saw, sander, lathe) |

**Unpowered**

- |   |
|---|
| <b>04: Knives, swords, and daggers</b>  |
| <b>05: Other hand tools and implements</b> (Axe, can opener, chisel, fork, hoe, ice pick, needle, paper cutter, pitch fork, rake, razor, scissors, screwdriver, shovel) |
| <b>06: Sharp object used during sport activity</b> (Arrow, dart)  |
| <b>07: Sharp object, excluding broken glass</b> (Lathe turnings, nail, splinter, sharp paper, tin can lid)  |
| <b>08: Broken glass</b>   |

**MORE ON NEXT PAGE**

**! C O N T I N U E next page !**

**M. TOOLS, APPLIANCES, AND SHARP OBJECTS - Continued (Page 2 of 2)**

**Lawn Mower**

**09: Riding lawn mower**

**10: Powered lawn mower, powered push mower**

**11: Lawn mower, push mower, unspecified whether powered or unpowered**

**12: Non-powered lawn mower**

**88: Other specified**

**99: Unspecified**

**! S T O P !**

**END OF TOOLS, APPLIANCES, AND SHARP OBJECTS**

**N. MACHINERY IN OPERATION** (Overturned, ran over, fell in, fell on, crushed, pinned under, cut by) (Page 1 of 1)

**Excludes:** Machinery on traffic way. Reselect B

**01: Agricultural machine** (Tractor, harvester, hay mower, hay rake, combine, reaper, cotton gin, animal powered, thresher, other specified, unspecified)

**02: Mining and earth drilling machinery** (Under-cutter, bore, or drill)

**Lifting machines and appliances** (codes 03-06)

(Hoist, winch, crane, derrick, elevator, grain elevator, forklift)

**03: Used in agricultural operations**

**04: Used in mining operations**

**05: Other specified**

**06: Unspecified**

**07: Metal working machines** (Abrasive wheel, lathe, forging machine, metal drilling, sawing and milling machines, power press, rolling mill)

**08: Woodworking and forming machines** (Band saw, bench saw, circular saw, overhead plane, powered saw, radial saw, sander, lathe, drill)

**09: Transmission machinery** (Transmission belt, cable, chain, gear, pinion, pulley, shaft)

**10: Earth moving, scraping, and other excavating machines** (Bulldozer, road scraper, steam shovel)

**11: Water, gas, steam turbines and engines**

**88: Other specified**

**99: Unspecified**

**! S T O P !**

**END OF MACHINERY IN OPERATION**

O. **FALLING, DIVING, JUMPING, PUSHED** (Fell, fall, dove, diving, jumped, was pushed) (Page 1 of 2)

**Excludes:**

- (1) Fall involving vehicles. Reselect B.
- (2) Fall into fire. Reselect C.
- (3) Fall onto/into hot liquid or hot object. Reselect G.
- (4) Fall involving drowning. Reselect K.
- (5) Fall onto/into sharp objects or broken glass. Reselect M.
- (6) Fall involving Machinery. Reselect N.
- (7) Tripping or stumbling without mention of fall. Reselect R.

**From, on, out of, off, down**

- 01: Escalator**
- 02: Other stairs or steps** (Includes ice or snow on stairs/steps)
- 03: Ladder**
- 04: Scaffolding**
- 05: Residential structure** (Apartment, boarding house, camping place, caravan, farm house, home, house, lodging house, private garage, rooming house, tenement)
- 06: Building or other nonresidential structure** (Barn, church, convalescent or nursing home, factory, farm outbuilding, hospital, hotel, educational institution, dormitory, school, shop, store, theater)
- 07: Other manmade structure** (Bridge, flagpole, tower)
- 08: Cliff** (Mountain, while mountain climbing)
- 09: Tree**
- 10: Other natural structure or site** (Embankment)
- 11: Playground equipment**

**Fall getting out of or striking against:**

- 12: Bed**
- 13: Chair**
- 14: Other furniture**

**MORE ON NEXT PAGE**

**! C O N T I N U E next page !**

O. **FALLING, DIVING, JUMPING, PUSHED** - Continued (Page 2 of 2)

**Fall from:**

- 15: Bed**
- 16: Chair**
- 17: Other furniture**
  
- 18: Stationary vehicle**
- 19: Involving ice-skates, skis, roller-skates or skateboards**
- 20: Other fall involving ice and snow** (Same level)
- 21: Other fall from one level to another** (Curb, high place, height)
- 22: Tripping, slipping, stumbling** (Same level)
- 23: While being carried by another person**
- 24: Wheelchair**

**Fall on same level from push, collision, or shove of another individual**

- 30: In sports**
- 31: Human stampede**
- 32: Collision with another person or pedestrian conveyance**
- 33: Other and unspecified**

**Into (in)**

- 40: Well**
- 41: Storm drain or manhole**
- 42: Swimming pool**
- 43: Water** (Rock quarry, sand pit)
- 44: Pit, quarry** (Without mention of water)
- 45: Tub**
- 46: Other hole or opening** (Elevator shaft)
  
- 88: Other specified fall** (Fall from or off toilet)
- 99: Unspecified fall**

**! S T O P !**

**END OF FALLING, DIVING, JUMPING, PUSHED**

**Excludes:** Transports. Reselect B.

1. Circumstances

- |            |   |
|------------|---|
| <b>01:</b> | <b>Abandonment or neglect</b>                     |
| <b>02:</b> | <b>Beaten with blunt object</b> (Stick, ball bat) |
| <b>03:</b> | <b>Beaten</b> (Unspecified)                       |
| <b>04:</b> | <b>Involved in fight, brawl, or altercation</b>   |
| <b>05:</b> | <b>Mental abuse</b>                               |
| <b>06:</b> | <b>Physical abuse</b>                             |
| <b>07:</b> | <b>Sexual abuse</b>                               |
| <b>08:</b> | <b>Sexual assault</b> (Rape, sodomy)              |
| <b>09:</b> | <b>Abuse</b> (Unspecified)                        |
| <b>10:</b> | <b>Assault</b> (Unspecified)                      |
| <b>11:</b> | <b>Riot</b> (Unspecified)                         |
| <b>12:</b> | <b>Pushed or placed in front of moving object</b> |
| <b>88:</b> | <b>Other specified</b>                            |
| <b>99:</b> | <b>Other unspecified</b>                          |

2. By person

- |            |   |
|------------|---|
| <b>01:</b> | <b>Spouse or partner</b>  |
| <b>02:</b> | <b>Parent, step-parent</b>  |
| <b>03:</b> | <b>Acquaintance or friend</b> (Boss, co-worker)                           |
| <b>04:</b> | <b>By official authorities</b>  |
| <b>05:</b> | <b>By other relative</b> (Brother, sister, etc.)                          |
| <b>88:</b> | <b>Other specified persons</b>  |
| <b>99:</b> | <b>By unspecified person</b> (Assailant, mugger, robber, vague reference) |

**! S T O P !**

**END OF ABUSE, ASSAULT, ABANDONMENT, NEGLECT**

Legal Execution

- 01: **Asphyxiation by gas**
- 02: **Beheading, decapitation** (by guillotine)
- 03: **Electrocution**
- 04: **Hanging**
- 05: **Lethal injection (Poisoning)**
- 06: **Shooting**
- 07: **Capital punishment, means unspecified** (Or other words to that effect)

Other Legal Intervention

- 08: **Involving discharge of firearm**
- 09: **Involving explosives**
- 10: **Involving gas**
- 11: **Involving blunt objects**
- 12: **Involving sharp objects**
- 13: **Other specified intervention**
- 14: **Unspecified Intervention**

MORE ON NEXT PAGE

! C O N T I N U E next page !

Operations of War

- 15: Occurring after cessation of hostilities (Any method)
- 16: Involving explosion of marine weapons
- 17: Involving destruction of aircraft
- 18: Involving other explosives and fragments (Unspecified)
- 19: Involving fires, conflagration, and hot substances
- 20: Involving firearm discharge and other forms of conventional warfare.
- 21: Involving nuclear weapons
- 22: Involving biological weapons
- 23: Involving chemical weapons
- 24: Involving other forms of unconventional warfare
- 25: Laser
- 26: Unspecified operation of war
  
- 88: Other specified
- 99: Unspecified

! S T O P !

END OF LEGAL INTERVENTIONS AND OPERATIONS OF WAR

**01: Struck by falling object** (Mud, snowslide, stone, tree, stationary motor vehicle)

Struck against or struck by people

**02: In sports**

**03: In crowd stampede**

**04: In running water**

**05: Other**

Struck against or struck by object

**06: In sports, with sporting equipment**

**07: In running water**

**08: High pressure jet** (Hydraulic jet, pneumatic jet)

**09: Other**

**10: Hit, twisted, kicked by person**

**11: Bitten by person**

**12: Caught in between objects**

Tripping or Stumbling

**13: Over animal**

**14: Over rug or other object**

**15: Over other person**

**88: Other specified: In lieu of 88, type full text entry in reported positions**<sup>8</sup>

**99: Unspecified**

**! S T O P !**

**END OF OTHER**

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<sup>8</sup> PC-MICAR Data Entry: Used code 88 to create space for entering full text.

