

# Florida Vital Statistics Annual Report 2011



State of Florida  
Department of Health  
Bureau of Vital Statistics



# STATE OF FLORIDA

## Department of Health



Rick Scott  
Governor

John H. Armstrong, MD, FACS  
State Surgeon General

C. MEADE GRIGG  
STATE REGISTRAR AND DIRECTOR  
DIVISION OF PUBLIC HEALTH STATISTICS AND PERFORMANCE MANAGEMENT

KENNETH T. JONES  
DEPUTY STATE REGISTRAR AND BUREAU CHIEF  
BUREAU OF VITAL STATISTICS

PUBLIC HEALTH STATISTICS SECTION  
POST OFFICE BOX 210  
JACKSONVILLE, FLORIDA 32231-0042

TELEPHONE (904) 359-6900, extension 1052  
FAX (904) 359-6948

Gary J. Sammet, B.S. ....	Operations Manager
Felipe Lorenzo-Luaces, M.S. ....	Research & Statistics Manager
Yasmin Serrano, M.P.H. ....	Research Associate
Jo Ann Steele, M.P.H. ....	Chief, Bureau of Community Health Assessment
Sheronika E. Denson, M.S. ....	Planning Consultant
Karen M. Freeman, M.P.H., M.S. ....	Operations & Management Consultant Manager
Ronald G. Humphries, B.S. ....	Operations & Management Consultant Manager

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## INTRODUCTION

This report summarizes data compiled from the original records/reports that were filed with the Bureau of Vital Statistics (VS) as required by law. These include records/reports of live births, deaths, fetal deaths, marriages, and dissolutions of marriage. Standard forms recommended by the US Public Health Conference on Records and Statistics are for the most part used for records of live birth, death, and fetal death.

Responsibility for filing birth records lies with the physician, midwife, or other attendant. Funeral directors, or other persons acting as such, are legally charged with filing death and fetal death (20 or more weeks of gestation) records. These documents are then submitted to local registrars who, in turn, forward them to VS. Marriage and dissolution records are received by VS directly from the various courts.

### **HISTORICAL BACKGROUND:**

This marks the 93rd year this annual publication has been produced which began in 1919. The earliest birth on file with the Bureau of Vital Statistics is from 1865. The earliest death on file with the Bureau of Vital Statistics is from 1877. Statewide collection of birth and death records first began in 1917 and the mandate to collect these data statewide was addressed again in 1927.

Having met all United States Bureau of the Census criteria, Florida became a nationally recognized death registration jurisdiction in 1919 and a nationally recognized birth registration jurisdiction in 1924. Marriage and dissolution records have been filed with the Bureau of Vital Statistics since June 1927.

### **COMPLETENESS AND QUALITY OF DATA:**

Tabulation of data for this annual report was begun after allowing a reasonable time for receipt of late documents. A few records/reports are received after tabulation and thus are not included. These records/reports represent a very small fraction of the total, and their omission does not materially alter the facts presented. The quality of data presented in this Annual Report is directly related to the completeness, accuracy, and processing associated with the source documents, registration procedures, and statistical reporting systems.

### **AVAILABILITY OF DATA:**

This publication can be accessed at <http://www.flpublichealth.com/VSBOOK/VSBOOK.aspx>. In addition to these published tables, charts, and graphs additional supplemental tables showing selected data in greater detail are also included on this website. Special statistical data files are available upon request on a fee-for-service basis.

### **RESIDENT AND RECORDED EVENTS:**

Data on births and deaths are tabulated according to both the usual "place of residence" (events occurring to Florida residents regardless of the place of occurrence) and the "place of occurrence" (events occurring in Florida regardless of the usual place of residence). The former are referred to as "resident" events and the latter as "recorded" events. Prior to 1933 only recorded data are available.

Varying interpretations of the "usual place of residence" by Florida's many seasonal visitors and military families may influence the accuracy of resident tabulations to some extent, since the residence shown on the record is normally accepted without question. For births and fetal deaths, the mother's residence is always used.

Data on marriages are based on county of marriage record issuance. Data on dissolution of marriage records are by place of occurrence only; there is no interstate exchange of these records. However, Florida dissolutions of marriage are granted only to legal residents.

## **POPULATION:**

The resident midyear July 1 population estimates for 2001-2011 used in this Annual Report were developed by the Department of Health, Division of Public Health Statistics and Performance Management in consultation with the Florida Legislature's Office of Economic and Demographic Research (s. 216.135, Florida Statutes). Following a census, it is customary to revise population projections for the intercensal years based on information from the latest census. Replacing the projected population data with actual estimates ensures accurate accounting of the racial, ethnic, gender, and age distribution of the population. Without these revisions, rates would appear to dramatically change between 2001 and 2011 for no reason other than incomparable population estimates.

## **RACE:**

Since 1989, the National Center for Health Statistics (NCHS) has classified live births and fetal deaths according to the race of the mother only. As a result of this change and for purposes of comparability, vital statistics data in this report have been modified and are based on the race of the mother for all live birth and fetal death data. In examining trends for related indicators such as infant deaths, low birthweight, and unwed births, it is important to use the same race methodology throughout the time period being analyzed. As a result of the change in methodology from the use of the race of the child/fetus to the use of the race of the mother, some of the black and other race births or fetal deaths (based on the race of child/fetus) will now be classified as white births (based on the race of the mother). This change may result in a slight decrease in the white infant death rate and an increase in the black and other race infant death rate.

According to the U.S. Census Bureau, "Race and ethnic questions are among the most technically complex and publicly controversial questions asked in the decennial census." Over the past three decades, the Census Bureau's definitions and coding procedures have changed. The 1970 Census for Florida showed a population that was 84.3 percent white, 15.3 percent black, and 0.4 percent for all other races. The 1980 Census showed 84.0 percent white, 13.8 percent black, and 2.2 percent for all other races. This increase in the races other than white and black results mainly from changes in the Census Bureau's definitions. After 1980, the Census Bureau corrected its data and many persons, primarily white Hispanics who had been listed as "others", were reclassified to white. Revised 1980 data for Florida had 85.4 percent white, 13.8 percent black, and 0.8 percent for all other races.

Race entries usually are tabulated as stated on the birth, death, fetal death and marriage certificates. However, designations such as "Hispanic" are generally classified as "white." Designations such as "bi-racial," "black and other race," or "mixed" are classified as "other entries." The 2000 Census permitted multiple responses to be made for the question regarding race. When the Florida Bureau of Vital Statistics revised its birth certificate for the 2004 data year, its death certificate for the 2005 data year and its fetal death certificate for the 2006 data year, the new certificates also permitted multiple responses to be made for the race question. There are 15 race designations from which any number may be chosen. For tabulation purposes, frequency counts for each of the 15 designations indicate that only a single selection was made. When the single category "other" was selected and a black Hispanic designation was specified, the race was classified as "black." Otherwise, "other" with a Hispanic designation was classified as "white." Data tables displaying "white," "black and other race" include tabulations of single selections only. Multiple selections of races are tabulated under the "other/multi-race" category.

## **UNKNOWN:**

Data in this publication may include persons whose age, race, gender, or resident county/city may be unknown or not reported. As a result, the totals for these data may be greater than the sum of the components.

## CAUSE OF DEATH:

The underlying cause of death is determined from death certificate medical information in accordance with procedures established by the World Health Organization (WHO) and NCHS. Standardized codes are assigned from the International Classification of Diseases (ICD). To keep abreast of changes in medical knowledge, the ICD is revised approximately every 10 to 15 years. Revisions and years used in Florida are:

<u>Revision</u>	<u>Years</u>	<u>Revision</u>	<u>Years</u>
Second .....	1917-1920	Seventh .....	1958-1967
Third .....	1921-1929	Eighth .....	1968-1978
Fourth .....	1930-1940	Ninth .....	1979-1998
Fifth .....	1941-1948	Tenth.....	1999-Present
Sixth .....	1949-1957		

Due to these revisions, some of which involve major changes, year-to-year comparisons of deaths by cause can be misleading, unless such comparisons span a period of years in which only one revision was used, or in which the changes from one revision to another were minor.

The Tenth Revision contains major modifications in many sections. Under the Tenth Revision, a disease category such as "pneumonia/influenza" may be redefined so that more or fewer deaths are included in that classification. To permit more accurate comparisons, NCHS coded a sample of 1996 US deaths by both the Ninth and Tenth Revision rules. The results were grouped by major causes and, for each of these; the number of Tenth Revision deaths was divided by the number of Ninth Revision deaths to produce a comparability ratio. For example, the comparability ratio for Malignant Neoplasm is 1.0068. This means the Tenth Revision coding of 10,000 death certificates will produce about 68 more malignant neoplasms than the Ninth Revision coding would. The comparability ratios for 113 selected causes of death and the 130 selected causes of infant death may be found in the National Vital Statistics Report, Vol. 49, No. 2, May 18, 2001 available at [http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_02.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf).

## AGE-ADJUSTED DEATH RATE (AADR):

The Age-Adjusted Death Rate (AADR) is a summary rate of deaths that facilitates the comparability of rates for areas or population subgroups with different age distributions. These rates are presented as per 1,000 or 100,000 population. The AADRs published in this report are the rates that would have been observed if the age-specific death rates for the given year had prevailed in a population whose age distribution was the same as that of the standard population. Through 1960 the population of the United States in 1940 was used as a standard for computation of the AADRs using the direct method. For 1970 and forward, the projected 2000 standard million population of the United States is used as a standard for computation of the AADRs using the direct method. The specified age intervals are under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85 years or older for the years 1970 through 2011.

## COMPUTATIONS AND FOOTNOTES:

The following procedures and symbols are used throughout this report:

- (1) All rates and ratios are rounded to the nearest tenth.
- (2) Undefined/anomalous rates/ratios (those with denominators of zero) are printed as "—."
- (3) For 1990 and forward, Age-Adjusted Death Rates (AADRs) are standardized using the direct method of standardization, to the US 2000 standard million population.
- (4) "NA" is an abbreviation for not available.

**DESCRIPTIONS AND ICD-10 CODES FOR 130 SELECTED CAUSES OF DEATH SHOWN IN TABLE F-7**

Table F-7 Cause of Infant Death Group	Cause of Infant Death Group Description (ICD-Codes)
Intestinal Infectious Disease	Certain intestinal infectious diseases (A00-A08)
Diarrhea & Gastroenteritis--Infectious Origin	Diarrhea and gastroenteritis of infectious origin (A09)
Tuberculosis	Tuberculosis (A16-A19)
Tetanus	Tetanus (A33,A35)
Diphtheria	Diphtheria (A36)
Whooping Cough	Whooping cough (A37)
Meningococcal Infection	Meningococcal infection (A39)
Septicemia	Septicemia (A40-A41)
Congenital Syphilis	Congenital syphilis (A50)
Gonococcal Infection	Gonococcal infection (A54)
Acute Poliomyelitis	Acute poliomyelitis (A80)
Varicella (Chicken Pox)	Varicella (chickenpox) (B01)
Measles	Measles (B05)
HIV Disease	Human immunodeficiency virus (HIV) disease (B20-B24)
Mumps	Mumps (B26)
Other & Unspec Viral Diseases	Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)
Candidiasis	Candidiasis (B37)
Malaria	Malaria (B50-B54)
Pneumocystosis	Pneumocystosis (B59)
Other & Unspecified Infectious & Parasitic Diseases	All other and unspecified infectious and parasitic diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36,B38-B49,B55-B58,B60-B99)
Hodgkins Disease & Non-Hodgkins Lymphomas	Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)
Leukemia	Leukemia (C91-C95)
Other & Unspecified Malignant Neoplasm	Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)
In Situ/Benign/Malignant Neoplasms Uncert/Unk Behavior	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
Anemias	Anemias (D50-D64)
Blood, Blood-Forming, Hemorrhagic Diseases	Hemorrhagic conditions and other diseases of the blood and blood-forming organs (D65-D76)
Disorders Involving Immune Mechanism	Certain disorders involving immune mechanism (D80-D89)
Short Stature	Short Stature, not elsewhere classified (E34.3)
Nutritional Deficiencies	Nutritional deficiencies (E40-E64)
Cystic Fibrosis	Cystic fibrosis (E84)
Fluid/Electrolyte/Acid-Base/Volume Depletion Disorders	Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)
Other Endocrine, Nutritional, Metabolic Diseases	All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)
Meningitis	Meningitis (G00,G03)
Infantile Spinal Muscular Atrophy, Type 1 (Werdnig-Hoffman)	Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)
Infantile Cerebral Palsy	Infantile cerebral palsy (G80)
Anoxic Brain Damage	Anoxic brain damage, not elsewhere classified (G93.1)
Other Nervous System Diseases	Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)
Ear & Mastoid Process Diseases	Diseases of the ear and mastoid process (H60-H93)
Pulmonary Heart/Circulation Diseases	Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)
Pericarditis, Endocarditis, Myocarditis	Pericarditis, endocarditis and myocarditis (I30,I33,I40)
Cardiomyopathy	Cardiomyopathy (I42)
Cardiac Arrest	Cardiac arrest (I46)
Cerebrovascular Diseases	Cerebrovascular diseases (I60-I69)
Other Circulatory System Diseases	All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)
Acute Upper Respiratory Infections	Acute upper respiratory infections (J00-J06)
Influenza	Influenza (J09-J11)
Pneumonia	Pneumonia (J12-J18)
Acute Bronchitis & Acute Bronciolitis	Acute bronchitis and acute bronciolitis (J20-J21)
Bronchitis, Chronic & Unspecified	Bronchitis, chronic and unspecified (J40-J42)
Asthma	Asthma (J45-J46)
Pneumonitis Due to Solids & Liquids	Pneumonitis due to solids and liquids (J69)
Other & Unspecified Respiratory System Diseases	Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98,U04)
Gastritis, Duodenitis, Noninfective Enteritis/Colitis	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)

**DESCRIPTIONS AND ICD-10 CODES FOR 130 SELECTED CAUSES OF DEATH SHOWN IN TABLE F-7 (Cont.)**

Table F-7 Cause of Infant Death Group	Cause of Infant Death Group Description (ICD-Codes)
Hernia Abdom Cavity & Intestinal Obstruct W/O Hernia	Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)
Other & Unspec Digestive System Disease	All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)
Renal Failure & Other Kidney Disorders	Renal failure and other disorders of kidney (N17-N19,N25,N27)
Other & Unspec Genitourinary System Dis	Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)
Maternal Hypertensive Disorders	Newborn affected by maternal hypertensive disorders (P00.0)
Maternal Conditions Unrelated Present Pregnancy	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)
Incompetent Cervix	Newborn affected by incompetent cervix (P01.0)
Premature Rupture of Membranes	Newborn affected by premature rupture of membranes (P01.1)
Multiple Pregnancy	Newborn affected by multiple pregnancy (P01.5)
Maternal Complications of Pregnancy	Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)
Placenta Complications	Newborn affected by complications involving placenta (P02.0-P02.3)
Cord Complications	Newborn affected by complications involving cord (P02.4-P02.6)
Chorioamnionitis	Newborn affected by chorioamnionitis (P02.7)
Other & Unspecified Membrane Abnormalities	Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)
Other Complications of Labor & Delivery	Newborn affected by other complications of labor and delivery (P03)
Noxious Influences Via Placenta or Breast Milk	Newborn affected by noxious influences via placenta or breast milk (P04)
Slow Fetal Growth & Fetal Malnutrition	Slow fetal growth and fetal malnutrition (P05)
Extreme Low Birth Weight or Extreme Immaturity	Extremely low birth weight or extreme immaturity (P07.0,P07.2)
Other Low Birth Weight or Preterm	Other low birth weight or preterm (P07.1,P07.3)
Long Gestation & High Birth Weight	Disorders related to long gestation and high birth weight (P08)
Birth Trauma	Birth Trauma (P10-P15)
Intrauterine Hypoxia	Intrauterine hypoxia (P20)
Birth Asphyxia	Birth asphyxia (P21)
Respiratory Distress	Respiratory distress of newborn (P22)
Congenital Pneumonia	Congenital pneumonia (P23)
Neonatal Aspiration Syndromes	Neonatal aspiration syndromes (P24)
Interstitial Emphysema & Related Conditions	Interstitial emphysema and related conditions originating in the perinatal period (P25)
Pulmonary Hemorrhage	Pulmonary hemorrhage originating in the perinatal period (P26)
Chronic Respiratory Disease	Chronic respiratory disease originating in the perinatal period (P27)
Atelectasis	Atelectasis (P28.0-P28.1)
Other Respiratory Conditions	All other respiratory conditions originating in the perinatal period (P28.2-P28.9)
Bacterial Sepsis	Bacterial sepsis of newborn (P36)
Omphalitis With or Without Hemorrhage	Omphalitis of newborn with or without mild hemorrhage (P38)
All Other Infections	All other infections specific to the perinatal period (P35,P37,P39)
Neonatal Hemorrhage	Neonatal hemorrhage (P50-P52,P54)
Hemorrhagic Disease of Newborn	Hemorrhagic disease of newborn (P53)
Hemolytic Dis Due to Isoimmunization/Perinat Jaundice	Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)
Hematological Disorders	Hematological disorders (P60-P61)
Diabetes Mellitus, Maternal or Neonatal	Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)
Necrotizing Enterocolitis	Necrotizing enterocolitis of newborn (P77)
Hydrops Fetalis Not Due To Hemolytic Dis	Hydrops fetalis not due to hemolytic disease (P83.2)
Other Perinatal Conditions	Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)
Anencephaly & Similar Anomalies	Anencephaly and similar malformations (Q00)
Congenital Hydrocephalus	Congenital hydrocephalus (Q03)
Spina Bifida	Spina Bifida (Q05)
Other Cong Malf Central Nervous System	Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)
Congenital Malf of Heart	Congenital malformations of heart (Q20-Q24)
Other Congenital Malf of Circulatory Sys	Other congenital malformations of circulatory system (Q25-Q28)
Congenital Malf of Respiratory Sys	Congenital malformations of respiratory system (Q30-Q34)
Congenital Malf of Digestive Sys	Congenital malformations of digestive system (Q35-Q45)
Congenital Malf of Genitourinary Sys	Congenital malformations of genitourinary system (Q50-Q64)

**DESCRIPTIONS AND ICD-10 CODES FOR 130 SELECTED CAUSES OF DEATH SHOWN IN TABLE F-7 (Cont.)**

Table F-7 Cause of Infant Death Group	Cause of Infant Death Group Description (ICD-Codes)
Congenital Malf of Musculoskeletal Sys	Congenital malformations and deformation of musculoskeletal system, limbs and integument (Q65-Q85)
Downs Syndrome	Down's syndrome (Q90)
Edwards Syndrome	Edward's syndrome (Q91.0-Q91.3)
Patau Syndrome	Patau's syndrome (Q91.4-Q91.7)
Other Congenital Malf	Other congenital malformations and deformations (Q10-Q18,Q86-Q89)
Other Chromosomal Abnorm	Other chromosomal abnormalities (Q92-Q99)
Sudden Infant Death Syndrome	Sudden infant death syndrome (R95)
Symptoms, Signs, Abn Clinical/Lab Findings	Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)
All Other Diseases	All other diseases (Residual) (F01-F99,H00-H57,L00-M99)
Unint Inj: Motor Vehicle	Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
Unint Inj: Other & Unspecified Transport	Other and unspecified transport accidents (V01,V05-V06, V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9,V90-V99)
Unint Inj: Falls	Falls (W00-W19)
Unint Inj: Firearms Discharge	Accidental discharge of firearms (W32-W34)
Unint Inj: Drowning & Submersion	Accidental drowning and submersion (W65-W74)
Unint Inj: Suffocation & Strangulation in Bed	Accidental suffocation and strangulation in bed (W75)
Unint Inj: Other Suffocation & Strangulation	Other accidental suffocation and strangulation (W76-W77,W81-W84)
Unint Inj: Inhale/Ingest--Respiratory Tract Obstruction	Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)
Unint Inj: Smoke, Fire, Flames Exposure	Accidents cause by exposure to smoke, fire and flames (X00-X09)
Unint Inj: Poisoning & Noxious Substance Exposure	Accidental poisoning and exposure to noxious substances (X40-X49)
Unint Inj: Other & Unspecified	Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)
Homicide: Hanging, Strangulation, Suffocation	Assault (homicide) by hanging, strangulation and suffocation (X91)
Homicide: Firearms Discharge	Assault (homicide) by discharge of firearms (X93-X95)
Homicide: Neglect, Abandonment, Maltreatment	Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
Homicide: Other & Unspecified Means	Assault (homicide) by other and unspecified means (X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)
Medical & Surgical Care Complications	Complications of medical and surgical care & sequelae (Y40-Y84)
Other External Causes	Other external causes (Y10-Y36)

**DESCRIPTIONS AND ICD-10 CODES FOR 113 SELECTED CAUSES OF DEATH SHOWN IN GRAPH D-2, TABLE D-9, TABLE D-11, AND TABLE D-12**

Graph D-2/Tables D-9/D-11/D-12 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Salmonella Infections	Salmonella infections (A01-A02 )
Shigellosis & Amebiasis	Shigellosis and amebiasis (A03,A06)
Certain Other Intestinal Infections	Certain other intestinal infections (A04,A07-A09 )
Tuberculosis	Tuberculosis (A16-A19 )
Respiratory Tuberculosis	Respiratory tuberculosis (A16)
Other Tuberculosis	Other tuberculosis (A17-A19)
Whooping Cough	Whooping cough (A37 )
Scarlet Fever & Erysipelas	Scarlet fever and erysipelas (A38,A46)
Meningococcal Infection	Meningococcal infection (A39 )
Septicemia	Septicemia (A40-A41)
Syphilis	Syphilis (A50-A53)
Acute Poliomyelitis	Acute poliomyelitis (A80)
Arthropod-Borne Viral Encephalitis	Arthropod-borne viral encephalitis (A83-A84,A85.2)
Measles	Measles (B05)
Viral Hepatitis	Viral hepatitis (B15-B19)
Human Immunodeficiency Virus (HIV)	Human immunodeficiency virus (HIV) disease (B20-B24)
Malaria	Malaria (B50-B54)
Other & Unspecified Infectious and Parasitic Diseases & Sequelae	Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)
Malignant Neoplasms (Cancer)	Malignant neoplasms (C00-C97)
Lip, Oral Cavity, Pharynx	Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)
Esophagus	Malignant neoplasm of esophagus (C15)
Stomach	Malignant neoplasm of stomach (C16)
Colon, Rectum and Anus	Malignant neoplasms of colon, rectum and anus (C18-C21)
Liver & Intrahepatic Bile Ducts	Malignant neoplasms of liver and intrahepatic bile ducts (C22)
Pancreas	Malignant neoplasm of pancreas (C25 )
Larynx	Malignant neoplasm of larynx (C32)
Trachea, Bronchus and Lung	Malignant neoplasms of trachea, bronchus and lung (C33-C34)
Melanoma of Skin	Malignant melanoma of skin (C43)
Breast	Malignant neoplasm of breast (C50)
Cervix Uteri	Malignant neoplasm of cervix uteri (C53)
Corpus Uteri & Uterus, Part Unspecified	Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)
Ovary	Malignant neoplasm of ovary (C56)
Prostate	Malignant neoplasm of prostate (C61 )
Kidney & Renal Pelvis	Malignant neoplasms of kidney and renal pelvis (C64-C65)
Bladder	Malignant neoplasm of bladder (C67)
Meninges, Brain, & Other Parts of Central Nervous System	Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)
Lymphoid, Hematopoietic and Related Tissue	Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)
Hodgkins Disease	Hodgkin's disease (C81)
Non-Hodgkins Lymphoma	Non-Hodgkin's lymphoma (C82-C85)
Leukemia	Leukemia (C91-C95)
Multiple Myeloma & Immunoprolifera Neoplasms	Multiple myeloma and immunoproliferative neoplasms (C88,C90 )
Other & Unspec--Lymphoid, Hematopoietic and Related Tissue	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)
All Other & Unspecified Malignant Neoplasms	All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49,C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97)
In Situ, Benign, Uncertain and Unknown Behavior Neoplasms	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
Anemias	Anemias (D50-D64)
Diabetes Mellitus	Diabetes mellitus (E10-E14)
Nutritional Deficiencies	Nutritional deficiencies (E40-E64)
Malnutrition	Malnutrition (E40-E46)
Other Nutritional Deficiencies	Other nutritional deficiencies (E50-E64)
Meningitis	Meningitis (G00,G03)
Parkinsons Disease	Parkinson's disease (G20-G21)
Alzheimers Disease	Alzheimer's disease (G30)

**DESCRIPTIONS AND ICD-10 CODES FOR 113 SELECTED CAUSES OF DEATH SHOWN IN GRAPH D-2, TABLE D-9, TABLE D-11, AND TABLE D-12 (Cont.)**

Graph D-2/Tables D-9/D-11/D-12 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
<b>Major Cardiovascular Diseases</b>	<b>Major cardiovascular diseases (I00-I78)</b>
<b>Heart Diseases</b>	<b>Diseases of heart (I00-I09,I11,I13,I20-I51 )</b>
Acute Rheumatic Fever & Chronic Rheumatic Heart Diseases	Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)
Hypertensive Heart Disease	Hypertensive heart disease (I11)
Hypertensive Heart & Renal Disease	Hypertensive heart and renal disease (I13)
Ischemic Heart Diseases	Ischemic heart diseases (I20-I25)
Acute Myocardial Infarction	Acute myocardial infarction (I21-I22)
Other Acute Ischemic Heart Diseases	Other acute ischemic heart diseases (I24)
Other Forms of Chronic Ischemic Heart Disease	Other forms of chronic ischemic heart disease (I20,I25)
Atherosclerotic Cardiovascular Disease	Atherosclerotic cardiovascular disease, so described (I25.0)
All Other Chronic Ischemic Heart Disease	All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)
Other Heart Diseases	Other heart diseases (I26-I51)
Acute & Subacute Endocarditis	Acute and subacute endocarditis (I33)
Pericardium Diseases & Acute Myocarditis	Diseases of pericardium and acute myocarditis (I30-I31,I40)
Heart Failure	Heart failure (I50)
All Other Forms of Heart Disease	All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)
Essential Hypertension & Hypertensive Renal Disease	Essential hypertension and hypertensive renal disease (I10,I12,I15)
<b>Cerebrovascular Diseases (Stroke)</b>	<b>Cerebrovascular diseases (I60-I69)</b>
Atherosclerosis	Atherosclerosis (I70)
Other Diseases of Circulatory System	Other diseases of circulatory system (I71-I78)
Aortic Aneurysm & Dissection	Aortic aneurysm and dissection (I71)
Other Diseases of Arteries, Arterioles and Capillaries	Other diseases of arteries, arterioles and capillaries (I72-I78)
Other Circulatory System Disorders	Other disorders of circulatory system (I80-I99)
<b>Influenza &amp; Pneumonia</b>	<b>Influenza and pneumonia (J09-J18)</b>
Influenza	Influenza (J09-J11)
Pneumonia	Pneumonia (J12-J18)
Other Acute Lower Respiratory Infections	Other acute lower respiratory infections (J20-J22,U04)
Acute Bronchitis & Bronchiolitis	Acute bronchitis and bronchiolitis (J20-J21)
Other and Unspecified Acute Lower Respiratory Infection	Unspecified acute lower respiratory infection (J22,U04)
<b>Chronic Lower Respiratory Diseases (CLRD)</b>	<b>Chronic lower respiratory diseases (J40-J47)</b>
Bronchitis, Chronic & Unspecified	Bronchitis, chronic and unspecified (J40-J42)
Emphysema	Emphysema (J43)
Asthma	Asthma (J45-J46)
Other Chronic Lower Respiratory Diseases	Other chronic lower respiratory diseases (J44,J47)
Pneumoconiosis & Chemical Effects	Pneumoconioses and chemical effects (J60-J66,J68)
Pneumonitis Due to Solids & Liquids	Pneumonitis due to solids and liquids (J69)
Other Respiratory System Diseases	Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)
Peptic Ulcer	Peptic ulcer (K25-K28)
<b>Appendix Diseases</b>	<b>Diseases of appendix (K35-K38)</b>
Hernia	Hernia (K40-K46)
<b>Chronic Liver Disease &amp; Cirrhosis (CLDC)</b>	<b>Chronic liver disease and cirrhosis (K70,K73-K74)</b>
Alcoholic Liver Disease	Alcoholic liver disease (K70)
Other Chronic Liver Disease & Cirrhosis	Other chronic liver disease and cirrhosis (K73-K74)
<b>Cholelithiasis &amp; Other Gallbladder Disorders (Cholelithiasis)</b>	<b>Cholelithiasis and other disorders of gallbladder (K80-K82)</b>
<b>Nephritis, Nephrotic Syndrome &amp; Nephrosis</b>	<b>Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)</b>
Acute & Rapidly Progressive Nephritic/Nephrotic Syndrome	Acute and rapidly progressive nephritic and nephritic syndrome (N00-N01,N04)
Chronic Glomerulonephritis/Nephritis/Nephropathy/Renal Sclerosis	Chronic glomerulonephritis, nephritis and nephropathy,not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)
Renal Failure	Renal failure (N17-N19)
Other Kidney Disorders	Other disorders of kidney (N25,N27)
Kidney Infections	Infections of kidney (N10-N12,N13.6,N15.1)
Hyperplasia of Prostate	Hyperplasia of prostate (N40)
Female Pelvic Organs--Inflammatory Diseases	Inflammatory diseases of female pelvic organs (N70-N76)
<b>Pregnancy, Childbirth, and the Puerperium</b>	<b>Pregnancy, childbirth and the puerperium (O00-O99)</b>
Pregnancy with Abortive Outcome	Pregnancy with abortive outcome (O00-O07)



**DESCRIPTIONS AND ICD-10 CODES FOR 113 SELECTED CAUSES OF DEATH SHOWN IN GRAPH D-2, TABLE D-9, TABLE D-11, AND TABLE D-12 (Cont.)**

Graph D-2/Tables D-9/D-11/D-12 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Other Pregnancy, Childbirth, Puerperium Complications	Other complications of pregnancy, childbirth and the puerperium (O10-O99)
Perinatal Period Conditions	Certain conditions originating in the perinatal period (P00-P96)
Congenital Malformations/Deformations/Chromosomal Abnormalities	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
Symptoms, Signs, Abnormal Clinical/Lab Findings, NEC	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
All Other Diseases (Residual)	All other diseases (Residual)
Unintentional Injury (Accidents)	Accidents (unintentional injuries) (V01-X59, Y85-Y86)
Transport Accidents	Transport accidents (V01-V99, Y85)
Motor Vehicle Accidents	Motor vehicle accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0- V87.8, V88.0-V88.8, V89.0, V89.2)
Other Land Transport Accidents	Other land transport accidents (V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9)
Water/Air/Space/Other & Unspecified Transport Accidents	Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85)
NonTransport Accidents	Nontransport accidents (W00-X59, Y86)
Falls	Falls (W00-W19)
Firearms Discharge	Accidental discharge of firearms (W32-W34)
Drowning & Submersion	Accidental drowning and submersion (W65-W74)
Smoke, Fire, Flames Exposure	Accidental exposure to smoke, fire and flames (X00-X09)
Poisoning & Noxious Substance Exposure	Accidental poisoning and exposure to noxious substances (X40-X49)
Other & Unspecified Nontransport Accidents & Sequelae	Other and unspecified nontransport accidents and their sequelae (W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86 )
Suicide	Intentional self-harm (suicide) (X60-X84, Y87.0)
Firearms Discharge	Intentional self-harm (suicide) by discharge of firearms (X72-X74)
Other & Unspecified Means & Sequelae	Intentional self-harm (suicide) by other and unspecified means and their sequelae (X60-X71, X75-X84, Y87.0)
Homicide	Assault (homicide) (X85-Y09, Y87.1)
Firearms Discharge	Assault (homicide) by discharge of firearms (X93-X95)
Other & Unspecified Means & Sequelae	Assault (homicide) by other and unspecified means and their sequelae (X85-X92, X96-Y09, Y87.1)
Legal Intervention	Legal intervention (Y35, Y89.0)
Events of Undetermined Intent	Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)
Firearms Discharge	Discharge of firearms, undetermined intent (Y22-Y24)
Other & Unspecified Event & Sequelae	Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9 )
War Operations & Sequelae	Operations of war and their sequelae (Y36, Y89.1)
Medical & Surgical Care Complications	Complications of medical and surgical care (Y40-Y84, Y88)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
<b>INFECTIOUS &amp; PARASITIC DISEASES</b>	<b>Certain infectious and parasitic diseases (A00-B99)</b>
Cholera	Cholera (A00)
Typhoid Fever	Typhoid fever (A01.0)
Paratyphoid Fever & Oth Salmonella	Paratyphoid fevers and other salmonella infections (A01.1-A01.4,A02)
Shigellosis	Shigellosis (A03)
Other Bacterial Food-Borne Intox	Other bacterial food-borne intoxications (A05)
Amebiasis	Amebiasis (A06)
Intestinal Infections/Other Spec Org	Intestinal infections due to other specified organisms (A04,A07-A08)
Diarrhea/Gastroenteritis-Infect Org	Diarrhea and gastroenteritis of infectious origin (A09)
Respiratory Tuberculosis	Respiratory tuberculosis (A16)
Other Tuberculosis	Other tuberculosis (A17-A19)
Plague	Plague (A20)
Brucellosis	Brucellosis (A23)
Tetanus	Tetanus (A33-A35)
Diphtheria	Diphtheria (A36)
Whooping Cough	Whooping cough (A37)
Scarlet Fever & Erysipelas	Scarlet fever and erysipelas (A38,A46)
Meningococcal Infection	Meningococcal infection (A39)
Septicemia	Septicemia (A40-A41)
Other Zoonotic/Bacterial Diseases	Other zoonotic and bacterial diseases (A21-A22,A24-A32,A42-A44,A48-A49)
Cardiovascular Syphilis	Cardiovascular syphilis (A52.0)
Neurosyphilis	Neurosyphilis (A52.1-A52.3)
Other & Unspecified Syphilis	Other and unspecified syphilis (A50-A51,A52.7-A52.9,A53)
Gonococcal Infection	Gonococcal infection (A54)
Other Infections-Sex Transmiss	Other infections with a predominately sexual mode of transmission (A55-A64)
Lyme Disease	Lyme disease (A69.2)
Typhus Fever	Typhus fever (A75)
Spirochetes/Chlamydia/Rickettsia	All other infections caused by spirochetes, chlamydia or rickettsia (A65-A68,A69.0-A69.1,A69.8-A69.9,A70-A74,A77-A79)
Acute Poliomyelitis	Acute poliomyelitis (A80)
Rabies	Rabies (A82)
Viral Encephalitis -- Arthropod-Borne	Arthropod-borne viral encephalitis (A83-A84,A85.2)
Yellow Fever	Yellow fever (A95)
Oth Arthropod-Borne Vir/Hemorr Fev	Other and unspecified arthropod-borne viral and hemorrhagic fevers (A90-A94,A96-A99)
Herpes Viral (Herpes Simplex) Infect	Herpesviral (herpes simplex) infections (B00)
Zoster (Herpes Zoster)	Zoster (herpes zoster) (B02)
Smallpox	Smallpox (B03)
Measles	Measles (B05)
Rubella (German Measles)	Rubella (German measles) (B06)
Viral Hepatitis	Viral hepatitis (B15-B19)
HIV Disease-Infect/Parasitic Dis	Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases (B20)
HIV Disease-Malignant Neoplasms	Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms (B21)
HIV Disease-Oth Spec Diseases	Human immunodeficiency virus (HIV) disease resulting in other specified diseases (B22)
HIV Disease-Other Conditions	Human immunodeficiency virus (HIV) disease resulting in other conditions (B23)
Unspecified HIV Disease	Unspecified human immunodeficiency virus (HIV) disease (B24)
All Other Viral Diseases	All other and unspecified viral diseases (A81,A85.0-A85.1,A85.8, A86-A89,B01,B04,B07-B09,B25-B34)
Mycoses	Mycoses (B35-B49)
Malaria	Malaria (B50-B54)
Leishmaniasis	Leishmaniasis (B55)
Trypanosomiasis	Trypanosomiasis (B56-B57)
Pneumocystosis	Pneumocystosis (B59)
Other Protozoal Diseases	Other and unspecified protozoal diseases (B58,B60-B64)
Schistosomiasis (Bilharziasis)	Schistosomiasis (bilharziasis) (B65)
Other & Unspecified Helminthiasis	Other and unspecified helminthiasis (B66-B83)
Sequelae of Tuberculosis	Sequelae of tuberculosis (B90)
Sequelae of Poliomyelitis	Sequelae of poliomyelitis (B91)
All Other Infect/Parasit Dis & Seq	All other and unspecified infectious and parasitic diseases and their sequelae (B85-B89,B92-B99)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
NEOPLASMS	Neoplasms (C00-D48)
Cancer: Lip	Malignant neoplasm of lip (C00)
Cancer: Tongue	Malignant neoplasm of tongue (C01-C02)
Cancer: Pharynx	Malignant neoplasm of pharynx (C10-C13,C14.0)
Cancer: Oth--Lip/Oral/Pharynx	Malignant neoplasm of other and unspecified sites within the lip, oral cavity and pharynx (C03-C09,C14.2-C14.8)
Cancer: Esophagus	Malignant neoplasm of esophagus (C15)
Cancer: Stomach	Malignant neoplasm of stomach (C16)
Cancer: Small Intestine	Malignant neoplasm of small intestine (C17)
Cancer: Colon	Malignant neoplasm of colon (C18)
Cancer: Rectosigmoid/Rectum	Malignant neoplasm of rectosigmoid junction and rectum (C19-C20)
Cancer: Anus & Anal Canal	Malignant neoplasm of anus and anus canal (C21)
Cancer: Liver	Malignant neoplasm of Liver (C22.0,C22.2-C22.9)
Cancer: Intrahepatic Bile Duct	Malignant neoplasm of intrahepatic bile duct carcinoma (C22.1)
Cancer: Gblad/Extrahepatic B Duct	Malignant neoplasm of gallbladder and extrahepatic bile ducts (C23-C24)
Cancer: Pancreas	Malignant neoplasm of pancreas (C25)
Cancer: Other Digestive Organs	Malignant neoplasm of other and ill-defined digestive organs (C26)
Cancer: Nasal Cav/Mid Ear/Sinus	Malignant neoplasm of nasal cavity, middle ear and accessory sinuses (C30-C31)
Cancer: Larynx	Malignant neoplasm of larynx (C32)
Cancer: Trachea/Bronchus/Lung	Malignant neoplasm of trachea, bronchus and lung (C33-C34)
Cancer: Thymus/Heart/Med/Pleura	Malignant neoplasm of thymus, heart, mediastinum and pleura (C37-C38)
Cancer: Other Respir/Intrathoracic	Malignant neoplasm of other and ill-defined sites in respiratory system and intrathoracic organs (C39)
Cancer: Bone & Articular Cartilage	Malignant neoplasms of bone and articular cartilage (C40-C41)
Cancer: Melanoma of Skin	Malignant melanoma of skin (C43)
Cancer: Other Skin	Other malignant neoplasms of skin (C44)
Cancer: Mesothelioma	Malignant neoplasm of mesothelioma (C45)
Cancer: Kaposi Sarcoma	Kaposi's sarcoma (C46)
Cancer: Other Meso & Soft Tissue	Malignant neoplasm of other mesothelial and soft tissue (C47-C49)
Cancer: Breast	Malignant neoplasm of breast (C50)
Cancer: Vulva & Vagina	Malignant neoplasm of vulva and vagina (C51-C52)
Cancer: Cervex Uteri	Malignant neoplasm of cervix uteri (C53)
Cancer: Corpus Uteri/Uterus,Unsp	Malignant neoplasm of corpus uteri and uterus, part unspecified (C54-C55)
Cancer: Ovary	Malignant neoplasm of ovary (C56)
Cancer: Other Female Genital Org	Malignant neoplasm of other and unspecified female genital organs (C57)
Cancer: Placenta	Malignant neoplasm of placenta (C58)
Cancer: Prostate	Malignant neoplasm of prostate (C61)
Cancer: Testis	Malignant neoplasm of testis (C62)
Cancer: Penis/Other Male Gen Org	Malignant neoplasm of penis and other and unspecified male genital organs (C60,C63)
Cancer: Kidney & Renal Pelvis	Malignant neoplasm of kidney and renal pelvis (C64-C65)
Cancer: Bladder	Malignant neoplasm of bladder (C67)
Cancer: Other Sites Urinary Tract	Malignant neoplasm of other and unspecified sites within the urinary tract (C66,C68)
Cancer: Eye & Adnexa	Malignant neoplasm of eye and adnexa (C69)
Cancer: Brain	Malignant neoplasm of brain (C71)
Cancer: Other Parts of CNS	Malignant neoplasm of other parts of central nervous system (C70,C72)
Cancer: Thyroid/Oth Endo Glands	Malignant neoplasms of thyroid and other endocrine glands (C73-C75)
Cancer: Other & Unspecified Sites	Other malignant neoplasms of other and unspecified sites (C76-C80,C97)
Cancer: Hodgkins Disease	Hodgkin's disease (C81)
Cancer: Non-Hodgkins Lymphoma	Non-Hodgkin's lymphoma (C82-C85)
Cancer: Oth Lymph/Hematopoietic	Malignant neoplasm of other unspecified lymphoid, hematopoietic and related tissue (C96)
Cancer: Immunoproliferative Dis	Malignant immunoproliferative diseases (C88)
Cancer: Mult Myeloma/Plasma Cell	Multiple myeloma and malignant plasma cell neoplasms (C90)
Cancer: Leukemia, Lymphoid	Lymphoid leukemia (C91)
Cancer: Leukemia, Myeloid	Myeloid leukemia (C92)
Cancer: Leukemia, Monocytic	Monocytic leukemia (C93)
Cancer: Leukemia/Other & Unspec	Other and unspecified leukemia (C94-C95)
CarclnSitu: Breast/Genitourinary	Carcinoma in situ of breast and genitourinary system (D05-D07)
CarclnSitu: Other/Unspecified	Carcinoma in situ of other and unspecified sites (D00-D04,D09)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Benign Neoplasm: Female Gen Org	Benign neoplasms of female genital organs (D25-D28)
Benign Neoplasm: Eye/Brain/CNS	Benign neoplasms of eye, brain and other parts of central nervous system (D31-D33)
Benign Neoplasm: Oth/Unspec Site	Benign neoplasms of other and unspecified sites (D10-D24,D29-D30,D34-D36)
Neoplasms: Unk Behav/Spec Site	Neoplasms of uncertain or unknown behavior of specified sites (D37-D47)
Neoplasms: Unk Behav/Unspec Site	Neoplasms of uncertain or unknown behavior of unspecified sites (D48)
<b>BLOOD/BLOODFORMING ORGAN DISEASES &amp; IMMUNE MECHANISM DISORDERS</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)</b>
Anemia: Nutritional	Nutritional anemias (D50-D53)
Anemia: Hemolytic	Hemolytic anemias (D55-D59)
Anemia: Aplastic	Aplastic anemias (D60-D61)
Anemia: Acute Posthemorrhagic	Acute posthemorrhagic and other anemias (D62,D64)
Coag Defects/Purpura/Hemorr	Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)
Other Blood/Blood-Form Organs	Other diseases of blood and blood-forming organs (D70-D76)
Certain Immune Mech Disorders	Certain disorders involving the immune mechanism (D80-D89)
<b>ENDOCRINE, NUTRITIONAL &amp; METABOLIC DISEASES</b>	<b>Endocrine, nutritional and metabolic diseases (E00-E88)</b>
Disorders of Thyroid Gland	Disorders of thyroid gland (E00-E07)
Diabetes Mellitus	Diabetes mellitus (E10-E14)
Disorders of Pituitary Gland	Disorders of pituitary gland (E22-E23)
Disorders of Adrenal Glands	Disorders of adrenal glands (E24-E27)
Diseases of Thymus	Diseases of thymus (E32)
Other Endocrine Diseases	Other endocrine diseases (E15-E21,E28-E31,E34)
Nutritional Marasmus	Nutritional marasmus (E41)
Other & Unspecified Malnutrition	Other and unspecified malnutrition (E40,E42-E46)
Other Nutritional Deficiencies	Other nutritional deficiencies (E50-E64)
Obesity & Other Hyperalimentation	Obesity and other hyperalimentation (E65-E68)
Cystic Fibrosis	Cystic fibrosis (E84)
Fluid/Electrolyte/Acid-Base Dep	Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)
Other Metabolic Disorders	Other metabolic disorders (E70-E83,E85,E88)
<b>MENTAL &amp; BEHAVIORAL DISORDERS</b>	<b>Mental and behavioral disorders (F01-F99)</b>
Organic Dementia	Organic dementia (F01,F03)
Other Organic Mental Disorders	Other and unspecified organic mental disorders (F04-F09)
Ment/Behav Dis-Alcohol Use	Mental and behavioral disorders due to use of alcohol (F10)
Ment/Behav Dis-Psychoactive Sub	Mental and behavioral disorders due to other psychoactive substance use (F11-F19)
Schizophrenia/Schizotypal/Delus	Schizophrenia, schizotypal and delusional disorders (F20-F29)
Mood (Affective) Disorder	Mood (affective) disorders (F30-F39)
Neurotic/Stess-Related/Somatoform	Neurotic, stress-related and somatoform disorders (F40-F48)
Mental Retardation	Mental retardation (F70-F79)
Other Mental & Behav Disorder	Other and unspecified mental and behavioral disorders (F50-F69,F80-F99)
<b>NERVOUS SYSTEM DISEASES</b>	<b>Diseases of the nervous system (G00-G98)</b>
Meningitis	Meningitis (G00,G03)
Other Inflammatory Diseases	Other inflammatory diseases of central nervous system (G04-G09)
Parkinsons Disease	Parkinson's disease (G20-G21)
Alzheimers Disease	Alzheimer's disease (G30)
Multiple Sclerosis	Multiple sclerosis (G35)
Epilepsy	Epilepsy (G40-G41)
Trans Cerebral Ischemic Attacks	Transient cerebral ischemic attacks and related syndromes (G45)
Infantile Cerebral Palsy	Infantile cerebral palsy (G80)
Other Dis	All other diseases of nervous system (G10-G12,G23-G25,G31,G36-G37,G43-G44,G47-G72,G81-G98)
<b>EYE &amp; ADNEXA DISEASES</b>	<b>Diseases of the eye and adnexa (H00-H57)</b>
Eye & Adnexa	Eye & adnexa diseases (H00-H57)
<b>EAR &amp; MASTOID PROCESS DISEASES</b>	<b>Diseases of the ear and mastoid process (H60-H93)</b>
Ear & Mastoid Process	Ear & mastoid process diseases (H60-H93)
<b>CIRCULATORY SYSTEM DISEASES</b>	<b>Diseases of the circulatory system (I00-I99)</b>
Acute Rheumatic Fever	Acute rheumatic fever (I00-I02)
Rheumatic Mitral Valve Disease	Rheumatic mitral valve diseases (I05)
Rheumatic Aortic Valve Disease	Rheumatic aortic valve diseases (I06)
Disord of Both Mitral/Aortic Valves	Disorders of both mitral and aortic valves (I08.0)
Oth Chronic Rheumatic Heart Dis	Other chronic rheumatic heart diseases (I07,I08.1-I08.9,I09)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Essential (Primary) Hypertension	Essential (primary) hypertension (I10)
Hypertensive Heart Disease	Hypertensive heart disease (I11)
Hypertensive Renal Disease	Hypertensive renal disease and secondary hypertension (I12, I15)
Hypertensive Heart/Renal Dis	Hypertensive heart and renal disease (I13)
Acute Myocardial Infarction	Acute myocardial infarction (I21-I22)
Other Acute Ischem Heart Dis	Other acute ischemic heart diseases (I24)
Atherosclerotic Cardio Dis	Atherosclerotic cardiovascular disease, so described (I25.0)
Oth Chronic Ischemic Heart Dis	All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)
Pulmonary Embolism	Pulmonary embolism (I26)
Oth Pulm Heart/Circulation Dis	Other pulmonary heart disease and diseases of pulmonary circulation (I27-I28)
Acute & Subacute Endocarditis	Acute and subacute endocarditis (I33)
Dis Pericardium/Acute Myocarditis	Diseases of pericardium and acute myocarditis (I30-I31, I40)
Nonrheumatic Mitral Valve Disorder	Nonrheumatic mitral valve disorders (I34)
Nonrheumatic Aortic Valve Disorder	Nonrheumatic aortic valve disorders (I35)
All Other Diseases of Endocardium	All other diseases of endocardium (I36-I38)
Cardiomyopathy	Cardiomyopathy (I42)
Cond Dis/Cardiac Dysrhythmias	Conduction disorders and cardiac dysrhythmias (I44-I49)
Congestive Heart Failure	Congestive heart failure (I50.0)
Other & Unspecified Heart Failure	Other and unspecified heart failure (I50.1-I50.9)
Myocarditis/Myocardial Degen	Myocarditis, unspecified and myocardial degeneration (I51.4-I51.5)
Other Forms of Heart Disease	All other and ill-defined forms of heart disease (I50.0-I51.3, I51.6-I51.9)
Subarachnoid Hemorrhage	Subarachnoid hemorrhage (I60)
Intracerebral/Oth Intracranial Hem	Intracerebral and other intracranial hemorrhage (I61-I62)
Cerebral Infarction	Cerebral infarction (I63)
Stroke/Not Hemorrhage or Infarc	Stroke, not specified as hemorrhage or infarction (I64)
Other Cerebrovascular Disease	Other cerebrovascular diseases and their sequelae (I67, I69)
Atherosclerosis	Atherosclerosis (I70)
Aortic Aneurysm & Dissection	Aortic aneurysm and dissection (I71)
Oth Dis Arteries/Arterioles/Cap	Other diseases of arteries, arterioles and capillaries (I72-I78)
Phlebitis/Venous Embol/Thrombo	Phlebitis, thrombophlebitis, venous embolism and thrombosis (I80-I82)
Other Circulatory Sys Disorders	All other and unspecified disorders of circulatory system (I83-I99)
<b>RESPIRATORY SYSTEM DISEASES</b>	<b>Diseases of the respiratory system (J00-J98, U04)</b>
Acute Pharyngitis & Tonsillitis	Acute pharyngitis and tonsillitis (J02-J03)
Acute Laryngitis & Tracheitis	Acute laryngitis and tracheitis (J04)
Other Acute Upper Respir Infect	Other and unspecified acute upper respiratory infections (J00-J01, J05-J06)
Influenza	Influenza (J09-J11)
Viral Pneumonia, NEC	Viral pneumonia, not elsewhere classified (J12)
Bacterial Pneumonia	Bacterial pneumonia (J13-J15)
Pneumonia--Other Organisms	Pneumonia due to other or unspecified organisms (J16, J18)
Acute Bronchitis & Bronchiolitis	Acute bronchitis and bronchiolitis (J20-J21)
Oth/Unspec Acute Lower Resp Infect	Other and unspecified acute lower respiratory infections (J22, U04)
Other Upper Resp Tract Diseases	Other diseases of upper respiratory tract (J30-J39)
Bronchitis, Not Acute or Chronic	Bronchitis, not specified as acute or chronic (J40)
Chronic Bronchitis	Chronic bronchitis (J41-J42)
Emphysema	Emphysema (J43)
Other Chronic Obs Pulmonary Dis	Other chronic obstructive pulmonary disease (J44)
Asthma	Asthma (J45-J46)
Bronchiectasis	Bronchiectasis (J47)
Pneumoconioses/Chemical Effects	Pneumoconioses and chemical effects (J60-J66, J68)
Pneumonitis Due to Food & Vomit	Pneumonitis due to food and vomit (J69.0)
Other Pneumonitis--Solids & Liquids	Other pneumonitis due to solids and liquids (J69.1-J69.8)
Oth Lung Diseases--External Agents	Other lung diseases due to external agents (J67, J70)
Supp/Necrotic Cond-Low Resp Tract	Suppurative and necrotic conditions of lower respiratory tract (J85-J86)
Pleural Effusion & Plaque	Pleural effusion and plaque (J90, J92)
All Other Resp Sys Diseases	All other diseases of respiratory system (J80-J84, J93-J98)
<b>DIGESTIVE SYSTEM DISEASES</b>	<b>Diseases of the digestive system (K00-K92)</b>
Oral Cavity/Sal Glands/Jaws Dis	Diseases of oral cavity, salivary glands and jaws (K00-K14)
Diseases of Esophagus	Diseases of esophagus (K20-K22)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Gastric Ulcer	Gastric ulcer (K25)
Duodenal Ulcer	Duodenal ulcer (K26)
Peptic Ulcer, Site Unspecified	Peptic ulcer, site unspecified (K27)
Gastrojejunal Ulcer	Gastrojejunal ulcer (K28)
Gastritis & Duodenitis	Gastritis and duodenitis (K29)
Dyspepsia/Oth Stom/Duodenum Dis	Dyspepsia and other diseases of stomach and duodenum (K30-K31)
Diseases of Appendix	Diseases of appendix (K35-K38)
Hernia	Hernia (K40-K46)
Crohns Disease & Ulcerative Colitis	Crohn's disease and ulcerative colitis (K50-K51)
Vas Disord & Intest Obs w/o Hernia	Vascular disorders and obstruction of intestine without hernia (K55-K56)
Diverticular Disease of Intestine	Diverticular disease of intestine (K57)
Other Intestine & Peritoneum Dis	Other diseases of intestines and peritoneum (K52,K58-K63)
Diseases of Peritoneum	Diseases of peritoneum (K65-K66)
Alcoholic Liver Disease	Alcoholic liver disease (K70)
Chronic Hepatitis, NEC	Chronic hepatitis, not elsewhere classified (K73)
Fibrosis & Cirrhosis of Liver	Fibrosis and cirrhosis of liver (K74)
Other Diseases of Liver	Other diseases of liver (K71-K72,K75-K76)
Cholelithiasis/Oth Gallbladder Dis	Cholelithiasis and other disorders of gallbladder (K80-K82)
Pancreatitis	Pancreatitis (K85,K86.0-K86.1)
Oth Dis--Biliary Tract/Pancreas	Other disorders of biliary tract and pancreas (K83,K86.2-K86.9)
All Other Digestive System Dis	All other diseases of digestive system (K90-K92)
<b>SKIN AND SUBCUTANEOUS TISSUE DISEASES</b>	<b>Diseases of the skin and subcutaneous tissue (L00-L98)</b>
Skin & Subcutaneous Tissue Infect	Infections of skin and subcutaneous tissue (L00-L08)
Other--Skin & Subcutan Diseases	Other and unspecified diseases of skin and subcutaneous tissue (L10-L98)
<b>MUSCULOSKELETAL SYSTEM &amp; CONNECTIVE TISSUE DISEASES</b>	<b>Diseases of the musculoskeletal system and connective tissue (M00-M99)</b>
Rheumatoid Arthritis & Inflam	Rheumatoid arthritis and related inflammatory polyarthropathies (M05-M08)
Systemic Lupus Erythematosus	Systemic lupus erythematosus (M32)
Other Arthropat & Related Disord	Other arthropathies and related disorders (M00,M02,M10-M31,M33-M35)
Dorsopathies	Dorsopathies (M40-M54)
Soft Tissue Disorders	Soft tissue disorders (M60-M79)
Osteoporosis	Osteoporosis (M80-M81)
Oth Ost/Chond/Muscskel/Tis Dis	Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue (M83-M99)
<b>GENITOURINARY SYSTEM DISEASES</b>	<b>Diseases of the genitourinary system (N00-N98)</b>
Acute/Rapid Progress Nephritic Syn	Acute and rapidly progressive nephritic syndrome (N00-N01)
Nephrotic Syndrome	Nephrotic syndrome (N04)
Other Glomerular Diseases	Other and unspecified glomerular diseases (N02-N03,N05-N07)
Renal Tubulo-Interstitial Diseases	Renal tubulo-interstitial diseases (N10-N15)
Renal Failure	Renal failure (N17-N19)
Urolithiasis	Urolithiasis (N20-N23)
Other Kidney Disorders	Other and unspecified disorders of kidney (N25-N27)
Urinary Tract Infect, Site Unspec	Urinary tract infection, site not specified (N39.0)
Other Diseases of Urinary System	Other diseases of urinary system (N28-N36,N39.1-N39.9)
Hyperplasia of Prostate	Hyperplasia of prostate (N40)
Oth Dis of Male Genital Organs	Other diseases of male genital organs (N41-N50)
Disorders of Breast	Disorders of breast (N60-N64)
Inflam Dis: Female Pelvic Organs	Inflammatory diseases of female pelvic organs (N70-N76)
Noninflam Dis: Female Gen Tract	Noninflammatory disorders of female genital tract (N80-N98)
<b>PREGNANCY, CHILDBIRTH &amp; THE PUERPERIUM</b>	<b>Pregnancy, childbirth and the puerperium (O00-O99)</b>
Ectopic Pregnancy	Ectopic pregnancy (O00)
Spontaneous Abortion	Spontaneous abortion (O03)
Medical Abortion	Medical abortion (O04)
Other Abortion	Other abortion (O05)
Other Pregnancy: Abort Outcome	Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)
Eclampsia & Pre-Eclampsia	Eclampsia and pre-eclampsia (O11,O13-O16)
Hemorr-Preg/Birth/Placenta Previa	Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,072)
Obstetric Embolism	Obstetric embolism (O88)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Other Comp--Puerperium Related	Other complications predominately related to the puerperium (O85-O87,O89-O92)
All Other Direct Obstetric Causes	All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71, O73-O75)
Obstetric Death-Unspec Cause	Obstetric death of unspecified cause (O95)
Oth Deaths--Preg/Childbirth/Puer	Other deaths related to pregnancy, childbirth and the puerperium (O96-O97)
Indirect Obstetric Deaths	Indirect obstetric deaths (O98-O99)
CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	Certain conditions originating in the perinatal period (P00-P96)
Mat Comp--Pregnancy/Labor/Del	Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)
Short Gest & LBW Disorders	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)
Birth Trauma	Birth trauma (P10-P15)
Intrauterine Hypoxia/Birth Asphyxia	Intrauterine hypoxia and birth asphyxia (P20-P21)
Respiratory Distress of Newborn	Respiratory distress of newborn (P22)
Other Respiratory Conditions	Other respiratory conditions originating in the perinatal period (P23-P28)
Infections-Perinatal Period	Infections specific to the perinatal period (P35-P39)
Other & Unspecified Conditions	Other and unspecified conditions originating in the perinatal period (P05, P08, P29, P50-P96)
CONGENITAL MALFORMATION/DEFORMATION AND CHROMOSOMAL ABNORMALITIES	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
Anencephaly/Sim Malformations	Anencephaly and similar malformations (Q00)
Spina Bifida	Spina bifida (Q05)
Other Cong Malfs of Nervous Sys	All other congenital malformations of nervous system (Q01-Q04,Q06-Q07)
Congenital Malformations of Heart	Congenital malformations of heart (Q20-Q24)
Other Cong Malfs of Circ Sys	Other congenital malformations of circulatory system (Q25-Q28)
Congenital Malfs of Respiratory Sys	Congenital malformations of respiratory system (Q30-Q34)
Other Cong Malfs & Deformations	Other congenital malformations and deformations (Q10-Q18,Q35-Q89)
Downs Syndrome	Down's syndrome (Q90)
All Other Chromosomal Abnorm	All other chromosomal abnormalities, not elsewhere classified (Q91-Q99)
SYMPTOMS, SIGNS & ABNORMAL CLINIC/LAB FINDINGS, NEC	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
Senility	Senility (R54)
Sudden Infant Death Syndrome	Sudden infant death syndrome (R95)
Other Unknown Mortality Causes	Other ill-defined and unknown causes of mortality (R96-R99)
Other Symp/Signs/Abnor Lab Find	All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94)
EXTERNAL CAUSES OF MORTALITY	External causes of mortality (V01-Y89)
Unint Inj: Railway	Railway accidents (V05,V15,V80.6,V81.2-V81.9)
Unint Inj: MV Collision: Pedestrian	Pedestrian involved in collision with motor vehicle (V02-V04)
Unint Inj: MV Coll: Pedal Cyclist	Pedalcyclist involved in collision with motor vehicle (V12-V14,V19.0-V19.2,V19.4-V19.6)
Unint Inj: Motorcyclist No Train	Motorcyclist involved in any accident except collision with railway train (V20-V24,V26-V34,V36-V39)
Unint Inj: Motorcyclist Coll-Train	Motorcyclist involved in collision with railway train (V25,V35)
Unint Inj: MV Coll: Train	Other motor vehicle accident involving collision with railway train (V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)
Unint Inj: MV Coll: with Non-MV	Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian (V40-V41,V46-V47,V50-V51,V56-V57,V60-V61,V66-V67,V70-V71, V76-V77)
Unint Inj: Car/P-up/Van & Oth MV	Occupant of car, pickup truck or van involved in collision with other motor vehicle (V42-V44,V49,V52-V54,V59)
Unint Inj: Heavy Veh/Bus & Oth MV	Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle (V62-V64,V69,V72-V74,V79)
Unint Inj: MV Noncollision Accid	Occupant of motor vehicle involved in non-collision accident (V48,V58,V68,V78)
Unint Inj: Special-Use MV Accident	Occupant of special-use motor vehicle involved in any accident (V83-V86)
Unint Inj: MV Other & Unspec	Other and unspecified motor vehicle accidents (V09.0,V09.2,V80.3-V80.5,V82.0-V82.1,V87.0-V87.5,V87.7-V87.8, V88.0-V88.5,V88.7-V88.8,V89.0,V89.2)
Unint Inj: Streetcar	Streetcar accidents (V82.2-V82.9)
Unint Inj: Other Land Transport	Other and unspecified land transport accidents (V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7, V80.9, V87.9, V88.9, V89.1, V89.3, V89.9)
Unint Inj: Water Transport	Water transport accidents (V90-V94)
Unint Inj: Air & Space Transport	Air and space transport accidents (V95-V97)
Unint Inj: Other Transp & Sequelae	Other and unspecified transport accidents and their sequelae (V98-V99,Y85)
Unint Inj: Fall-Same Level	Fall on same level (W00-W09,W18)
Unint Inj: Fall-One Level to Another	Fall from one level to another (W10-W17)

**DESCRIPTIONS AND ICD-10 CODES FOR 358 SELECTED CAUSES OF DEATH SHOWN IN TABLE D-10 (Cont.)**

Table D-10 Cause of Death Group	Cause of Death Group Description (ICD-Codes)
Unint Inj: Fall-Unspecified	Unspecified fall (W19)
Unint Inj: Firearms Discharge	Accidental discharge of firearms (W32-W34)
Unint Inj: Explosion	Accidental explosion (W39-W40)
Unint Inj: Drowning & Submersion	Accidental drowning and submersion (W65-W74)
Unint Inj: Inhal/Ingest--Obs Resp	Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)
Unint Inj: Other Breath Threats	Other accidental and unspecified threats to breathing (W75-W77,W81-W84)
Unint Inj: Electric Current Exposure	Accidental exposure to electrical current (W85-W87)
Unint Inj: Radiation Exposure	Accidental exposure to radiation (W88-W91)
Unint Inj: Smoke/Fire/Flame Expos	Accidental exposure to smoke, fire and flames (X00-X09)
Unint Inj: Heat/Hot Sub Contact	Accidental contact with heat and hot substances (X10-X19)
Unint Inj: Lightning	Lightning (X33)
Unint Inj: Equake/Volc/Aval/Lslide	Earthquake, volcanic eruption, avalanche, landslide and other earth movements (X34-X36)
Unint Inj: Cataclysmic Storm/Flood	Cataclysmic storm and flood (X37-X38)
Unint Inj: Poison-Drugs/Biol Subs	Accidental poisoning by and exposure to drugs and other biological substances (X40-X44)
Unint Inj: Poison-Oth Sol/Liq	Accidental poisoning by and exposure to other and unspecified solid or liquid substances (X45-X46,X48-X49)
Unint Inj: Poison-Oth Gases/Vapors	Accidental poisoning by and exposure to other gases and vapors (X47)
Unint Inj: Other Sequelae	All other and unspecified accidents and their sequelae (W20-W31,W35-W38,W41-W64,W92-W99,X20-X32,X39,X50-X59,Y86)
Suicide: Drugs & Biol Subs	Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances (X60-X64)
Suicide: Other Sol/Liq & Vapor	Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors (X65-X66,X68-X69)
Suicide: Other Gases & Vapors	Intentional self-poisoning (suicide) by and exposure to other gases and vapors (X67)
Suicide: Hang/Strangle/Suffocate	Intentional self-harm (suicide) by hanging, strangulation and suffocation (X70)
Suicide: Firearms Discharge	Intentional self-harm (suicide) by discharge of firearms (X72-X74)
Suicide: Jump From High Place	Intentional self-harm (suicide) by jumping from a high place (X80)
Suicide: Other Unspec Sequelae	Intentional self-harm (suicide) by all other and unspecified means and their sequelae (X71,X75-X79,X81-X84,Y87.0)
Homicide: Drugs/Biol/Noxious Subs	Assault (homicide) by drugs, biological substances and other and unspecified noxious substances (X85-X90)
Homicide: Hang/Strangle/Suffocate	Assault (homicide) by hanging, strangulation and suffocation (X91)
Homicide: Firearms Discharge	Assault (homicide) by discharge of firearms (X93-X95)
Homicide: Sharp Object	Assault (homicide) by sharp object (X99)
Homicide: Blunt Object	Assault (homicide) by blunt object (Y00)
Homicide: Bodily Force	Assault (homicide) by bodily force (Y04)
Homicide: Sex Assault-Body Force	Sexual assault (homicide) by bodily force (Y05)
Homicide: Neg/Aban/Oth Maltreat	Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
Homicide: Other Sequelae	Assault (homicide) by all other and unspecified means and their sequelae (X92,X96-X98, Y01-Y03,Y08-Y09,Y87.1)
Undet Inj: Poison-Drugs/Biol Subs	Poisoning by and exposure to drugs and biological substances, undetermined intent (Y10-Y14)
Undet Inj: Poison-Oth Sol/Liq	Poisoning by and exposure to other and unspecified solid or liquid substance undetermined intent (Y15-Y16,Y18-Y19)
Undet Inj: Poison-Other Gases/Vap	Poisoning by and exposure to other gases and vapors, undetermined intent (Y17)
Undet Inj: Firearms Discharge	Discharge of firearms, undetermined intent (Y22-Y24)
Undet Inj: Fall/Jump/Push	Falling, jumping or pushed from a high place, undetermined intent (Y30)
Undet Inj: Other Sequelae	All other and unspecified events of undetermined intent and their sequelae (Y20-Y21,Y25-Y29,Y31-Y34,Y87.2,Y89.9)
Legal: Execution	Legal execution (Y35.5)
Legal: Other Interven & Seque	Other legal intervention and their sequelae (Y35.0-Y35.4,Y35.6-Y35.7,Y89.0)
War Operations & Sequelae	Operations of war and their sequelae (Y36,Y89.1)
Med/Surg Care: Therapy-Drug/Med	Drugs, medicaments and biological substances causing adverse effects in therapeutic use and their sequelae (Y40-Y59,Y88.0)
Med/Surg Care: Misadventure	Misadventures to patients during medical and surgical care and their sequelae (Y60-Y69,Y88.1)
Med/Surg Care: Oth Complications	Other complications of medical and surgical care and their sequelae (Y70-Y84,Y88.2-Y88.3)



## RATES AND FORMULAE

**Age-adjusted death rate (AADR):** Number of deaths occurring among a population adjusted to the projected 2000 standard million population of the United States using the direct method. An AADR is used to control for differences when comparing two or more populations or the same populations over time.

Sum of the products of age-specific death rates with standard population proportion

**Age-specific rate:** Number of events occurring to a specific age group per 1,000 or 100,000 population of the specified age group.

$$\frac{\text{Number of events to specific age group} \times 1,000 \text{ (or } 100,000\text{)}}{\text{Estimated midyear population of specific age group}}$$

**Cause specific death rate:** Number of deaths due to a specific cause per 100,000 population.

$$\frac{\text{Number of deaths from a specific cause} \times 100,000}{\text{Estimated midyear population}}$$

**(Crude) birth rate:** Number of live births per 1,000 population.

$$\frac{\text{Number of live births} \times 1,000}{\text{Estimated midyear population}}$$

**(Crude) death rate:** Number of deaths per 1,000 population.

$$\frac{\text{Number of deaths} \times 1,000}{\text{Estimated midyear population}}$$

**(Crude) divorce rate:** Number of divorces per 1,000 population.

$$\frac{\text{Number of divorces} \times 1,000}{\text{Estimated midyear population}}$$

**(Crude) marriage rate:** Number of marriages per 1,000 population.

$$\frac{\text{Number of marriages} \times 1,000}{\text{Estimated midyear population}}$$

**Fetal death rate:** Number of fetal deaths (20 weeks or more gestation) per 1,000 live births plus fetal deaths.

$$\frac{\text{Number of fetal deaths} \times 1,000}{\text{Number of live births} + \text{number of fetal deaths}}$$

**Fertility rate:** The total number of births in a year per 1,000 female population, aged 15-44 years.

$$\frac{\text{Number of live births} \times 1,000}{\text{Estimated midyear female population aged 15-44 years}}$$

**Infant mortality rate:** Deaths to individuals less than one year old per 1,000 live births.

$$\frac{\text{Number of infant deaths} \times 1,000}{\text{Number of live births}}$$

**Maternal mortality rate:** Number of deaths to women while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes (ICD-10: A34, O00-O95, O98-O99) per 100,000 live births.

$$\frac{\text{Number of maternal deaths} \times 100,000}{\text{Number of live births}}$$

**Natural increase:** The difference between the number of live births and the number of deaths.

$$\text{Number of live births} - \text{number of deaths}$$

**Neonatal mortality rate:** Deaths to individuals less than 28 days old per 1,000 live births.

$$\frac{\text{Number of deaths} < 28 \text{ days} \times 1,000}{\text{Number of live births}}$$

**Percent live births to unwed mothers:** Percent of unwed live births to the total number of live births.

$$\frac{\text{Number of live births to unwed mothers} \times 100}{\text{Number of live births}}$$

**Percent low birth weight:** Percent of live births weighing less than 2,500 grams to the total number of live births.

$$\frac{\text{Number of low weight live births} \times 100}{\text{Number of live births}}$$

**Percent very low birth weight:** Percent of live births weighing less than 1,500 grams to the total number of live births.

$$\frac{\text{Number of very low weight live births} \times 100}{\text{Number of live births}}$$

**Perinatal mortality rate:** Fetal deaths (20 weeks or more gestation) plus neonatal deaths (occurring in the first 27 days of life) per 1,000 live births plus fetal deaths.

$$\frac{\text{Number of fetal deaths} + \text{number of neonatal deaths} \times 1,000}{\text{Number of fetal deaths} + \text{number of live births}}$$

**Post-neonatal mortality rate:** Number of infant deaths of age 28 through 364 days per 1,000 live births.

$$\frac{\text{Number of infant deaths aged 28 through 364 days} \times 1,000}{\text{Number of live births}}$$

**Note:** Although totals may include persons whose age, race, gender, or resident county/city is unknown, the process of "imputation" (using an algorithm to assign a known value to an unknown value) is not used to assign age, race, gender, or resident county/city in calculating any rate, ratio, or percentage.

## SOURCES OF ADDITIONAL DATA

INFORMATION:	AGENCY AND TELEPHONE NUMBER:
Florida health data	Department of Health Internet: <a href="http://www.doh.state.fl.us/planning_eval/phstats/intro.htm">http://www.doh.state.fl.us/planning_eval/phstats/intro.htm</a>
Copies of vital records	Bureau of Vital Statistics (904) 359-6900, extension 9000 Internet: <a href="http://www.doh.state.fl.us/planning_eval/vital_statistics/index.html">http://www.doh.state.fl.us/planning_eval/vital_statistics/index.html</a>
Community health assessment data and Public health trend data  (Historical data on most aspects of public health in Florida from 1961 to the present)	Division of Public Health Statistics & Performance Management, Bureau of Community Health Assessment (850) 245-4009  Internet: <a href="http://www.FloridaCHARTS.com">http://www.FloridaCHARTS.com</a>
Morbidity statistics (All available on internet at <a href="http://doh.state.fl.us/atoz.html">http://doh.state.fl.us/atoz.html</a> )	Epidemiology (850) 245-4401 Environmental Epidemiology (850) 245-4299 Tuberculosis and Refugee Health (850) 245-4350 Sexually Transmitted Diseases (850) 245-4303 HIV/AIDS Surveillance (850) 245-4330
Florida population estimates	Division of Public Health Statistics & Performance Management, Bureau of Community Health Assessment (850) 245-4009  In consultation with... Office of Economic and Demographic Research (850) 487-1402 Internet: <a href="http://edr.state.fl.us/">http://edr.state.fl.us/</a>
Florida patients and licensed health care facilities information	Agency for Health Care Administration (850) 922-5771 Internet: <a href="http://ahca.myflorida.com/SCHS/index.shtml">http://ahca.myflorida.com/SCHS/index.shtml</a>
Florida motor vehicle/highway data	Department of Highway Safety and Motor Vehicles (850) 488-4300 Internet: <a href="http://www.hsmv.state.fl.us/">http://www.hsmv.state.fl.us/</a>
National vital statistics	National Center for Health Statistics (301) 458-4636 Internet: <a href="http://www.cdc.gov/nchs/">http://www.cdc.gov/nchs/</a>
National morbidity statistics	Centers for Disease Control (404) 639-3311 Internet: <a href="http://www.cdc.gov/">http://www.cdc.gov/</a>
National population census data	Bureau of the Census (301) 457-1214 Internet: <a href="http://www.census.gov/">http://www.census.gov/</a>
National accident statistics	National Safety Council (708) 285-1121 Internet: <a href="http://www.nsc.org/">http://www.nsc.org/</a>