# INTRODUCTION

This report summarizes data compiled from the original records/reports which were filed with the Office of Vital Statistics (VS) as required by law. These include records/reports of live births, deaths, fetal deaths, marriages, dissolutions of marriage, and induced terminations of pregnancy. Standard forms recommended by the U.S. 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 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. Reports of induced terminations of pregnancy are received from the facilities or individuals who perform such procedures.

## HISTORICAL BACKGROUND:

This marks the 83rd year of statewide collection of birth and death records, which began in 1917. Marriage and dissolution records have been filed with VS since June 1927.

## COMPLETENESS AND QUALITY OF DATA:

Tabulation of data for this annual report was begun after allowing a reasonable time of two months 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:

In addition to data presented here and on the internet web site, data in greater detail, either from unpublished tables or from special statistical tapes, are available upon request on a fee-for-service basis. The Florida Department of Health Internet web site which contains this annual report is: http://www.doh.state.fl.us

## **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 stated on the record is normally accepted without question. For births and fetal deaths, the mother's residence is used when it differs from the father's residence.

Data on marriage and dissolution of marriage records and reports of induced terminations of pregnancy are by place of occurrence only; there is no interstate exchange of these records/reports. However, Florida dissolutions of marriage are granted only to legal residents.

#### **POPULATION:**

The resident midyear July 1 population estimates for 1996 to 2000 used for various rate calculations in this Annual Report were obtained from the Florida Consensus Estimating Conference. These estimates are being utilized pursuant to the data standardization resolution adopted by the Governor and Cabinet of the State of Florida. The population estimates for each year are based on the estimates produced by the Winter Demographic Estimating Conference and are not affected by revisions at a later date.

Resident midyear July 1 population estimates for 1986 to 1995 were obtained from the Florida Population and Demographic Forecasts provided by the Office of Planning and Budgeting, Executive Office of the Governor. The population estimates for 1970 to 1985 were obtained from the Bureau of Economic and Business Research, University of Florida.

## RACE:

Race entries are usually counted as stated on live birth, death, fetal death, and marriage certificates. Designations such as "Hispanic" are classified as "white". Designations such as "bi-racial", "multi-racial", "mixed", or "nonwhite" are classified as "Other Entries".

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 nonwhite 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 will probably result in a slight decrease in the white infant death rate and an increase in the nonwhite 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 processes have changed. The 1970 Census for Florida showed a population that was 15.3 percent black and 0.4 percent for all other nonwhite races. The 1980 Census showed 13.8 percent black and 2.2 percent for all other nonwhite races. This increase in the other nonwhite races 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, and revised 1980 data for Florida had 13.8 percent black and 0.8 percent for all other nonwhite races. While the 1990 Census showed 12.2 percent black and 4.7 percent for all other nonwhite races, the 2000 Census showed 14.6 percent black and 7.4 percent for all other nonwhite races.

#### **UNKNOWNS:**

Data in this publication may include persons whose age, race or gender 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 ten-fifteen years. Revisions and years used in Florida are:

<u>Revision</u>	Years	<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-
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, so that more or less deaths are now (Tenth Revision) assigned to certain causes than under the Ninth Revision rules. To permit more accurate comparisons, NCHS coded a sample of 1996 U.S. 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 would the Ninth Revision coding. The comparability ratios for 113 selected causes of death may be found on pages xi through xiii.

## 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. AADR 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 1998 the population of the United States in 1940 was used as a standard for computation of AADR using the direct method. For 1999 and forward, the projected 2000 standard million population of the United States is used as a standard for computation of AADR 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 and over for the years 1970 through 2000.

## **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) All rates and ratios that calculate to less than 0.05 are printed as "0.0".
- (3) Undefined/anomalous rates/ratios, i.e., those with denominators of zero, are printed as "—".
- (4) Statistically unreliable rates and ratios are those with denominators less than 100.
- (5) For 1999 and forward, Age-Adjusted Death Rates (AADR) are standardized using the direct method of standardization, to the U.S. projected 2000 standard million population.
- (6) NA is an abbreviation for not available.

#### ICD-10 vs. ICD-9 -- COMPARABILITY RATIOS FOR 113 SELECTED CAUSES OF DEATH:

Cause of Death	ICD-10 Codes	ICD-9 Codes	Comparabilit Ratio	
Salmonella Infections	A01-A02	002-003	0.8108	
Shigellosis & Amebiasis	A03.A06	004.006	*	
Certain Other Intestinal Infections	A04,A07-A09	007-009	*	
Tuberculosis	A16-A19	010-018	0.8547	
Respiratory Tuberculosis	A16	010-012	0.9056	
Other Tuberculosis	A17-A19	013-018	0.7031	
Whooping Cough	A37	033	*	
Scarlet Fever & Erysipelas	A38,A46	034.1-035	*	
Meningococcal Infection	A39	036	0.9955	
Septicemia	A40-A41	038	1.1949	
Syphilis	A50-A53	090-097	0.6364	
Acute Poliomyelitis	A80	045	*	
Arthropod-Borne Viral Encephalitis	A83-A84,A85.2	062-064	*	
Measles	B05	055	*	
Viral Hepatitis	B15-B19	070	0.8343	
Human Immunodeficiency Virus (HIV) Disease	B20-B24	042-044	1.1448	
Malaria	B50-B54	084	*	
	A00,A05,A20-A36,A42-A44, A48-	001,005,020-032,037,039-		
Other & Unerse Infectious/Deventite Disease & Oser Inc	A49,A54-A79,A81-A82,A85.0-	041,046-054,056-061,065-	4 0000	
Other & Unspec Infectious/Parasitic Diseases & Sequelae	A85.1,A85.8,A86-B04,B06-B09,B25	066,071-083,085-088,098-	1.0990	
	B49,B55-B99	134,136-139,771.3		
Malignant Neoplasm (Cancer)	C00-C97	140-208	1.0068	
Lip, Oral Cavity, Pharynx	C00-C14	140-149	0.9603	
Esophagus	C15	150	0.9965	
Stomach	C16	151	1.0063	
Colon, Rectum, Anus	C18-C21	153-154	0.9993	
Liver & Intrahepatic Bile Ducts	C22	155	0.9634	
Pancreas	C25	157	0.9980	
Larynx	C32	161	1.0047	
Trachea, Bronchus, Lung	C33-C34	162	0.9837	
Skin	C43	172	0.9677	
Breast	C50	174-175	1.0056	
Cervix Uteri	C53	180	0.9871	
Corpus Uteri & Uterus, Part Unspecified	C54-C55	179,182	1.0260	
Ovary	C56	183.0	0.9954	
Prostate	C61	185	1.0134	
Kidney & Renal Pelvis	C64-C65	189.0,189.1	1.0000	
Bladder	C67	188	0.9968	
Meninges, Brain, & Other Parts Central Nervous System	C70-C72	191-192	0.9691	
Lymphoid, Hematopoietic and Related Tissue	C81-C96	200-208	1.0042	
Hodgkin's Disease	C81	201	0.9855	
Non-Hodgkin's Lymphoma	C82-C85	200,202	0.9781	
Leukemia	C91-C95	204-208	1.0119	
Multiple Myeloma & Immunoprolifera Neoplasms	C88,C90	203	1.0383	
Oth & UnspecLymphoid, Hematopoie, Related Tissue	C96		*	
	C17,C23-C24,C26-C31,C37-			
	C41,C44-C49,C51-C52,C57-	152,156,158-160,163-		
All Other & Unspecified	C60,C62-C63,C66,C68-C69,C73-	171,173,181,183.2-184,186-	1.1251	
	C80,C97	187,189.2-190,193-199		
n Situ, Benign, Uncertain/Unknown Behavior Neoplasms	D00-D48	210-239	1.6744	
Anemias	D50-D64	280-285	0.9559	
Diabetes Mellitus	E10-E14	250	1.0082	
Nutritional Deficiencies	E40-E64	260-269	1.1636	
Malnutrition	E40-E46	260-263	0.9782	
	E50-E64	264-269	6 71141	
Other Nutritional Deficiencies	E50-E64 G00 G03	264-269	<u>6.2041</u> 1.0137	
	E50-E64 G00,G03 G20-G21	264-269 320-322 332	<u> </u>	

Acute Rheumatic Fever & Chronic Rheumatic Heart Disease   100-1     Hypertensive Heart Disease   111     Hypertensive Heart & Renal Disease   120-1     Acute Myocardial Infarction   121-1     Other Acute Ischemic Heart Disease   124     Other Acute Ischemic Heart Disease   124     Other Chronic Ischemic Heart Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Atherosclerotic Schemic Heart Disease   120,1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130,1     Heart Failure   150     Other Forms Heart Disease   126,1     Acute Areure Subacute Endocarditis   133     Pericardium Diseases   160,1     Cher Forms Heart Disease   126,1     Acute Areure Subacute Endocarditis   130,1     Heart Failure   150     Other Forms Heart Disease   160,1     Acute & Subacute Endocardity System   171,1     Acute Acute Inserver & Dissection   171,1     Acute Areurysm & Di	D9,111,113,120-151     D9     25     22     25     25     25     25     26,1125.9     51     31,140     28,134-138,142-149,151     12     39     78     39     118     121     141     142	390-434,436-448     390-398,402,404,410-429     390-398     402     404     410-414,429.2     410     411     412-414,429.2     429.2     412-414     415-429.1,429.3-429.9     421     420,422-423     428     415-417,424-427,429.0-     429.1,429.3-429.9     401,403     430-434,436-438     440     441-448     441     442-448     451-459     480-487     487     480-486     466        490-491     492     493	0.9981 0.9858 0.8208 0.8028 1.0705 0.9990 0.9887 1.0110 1.0054 1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.97465 * 1.0478 0.3935 0.3935 0.9726
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Ischemic Heart Disease   120-1     Acute Myocardial Infarction   121-1     Other Acute Ischemic Heart Disease   124     Other Forms of Chronic Ischemic Heart Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Other Forms of Chronic Ischemic Heart Disease   120,1     Other Heart Diseases   126,1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130,1     Heart Failure   150     Other Forms Heart Disease   126,1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160,-1     Atherosclerosis   170     Other Arteries, Arterioles, Capillaries Disease   172,-1	222 25 25.1-125.9 51 31,140 28,134-138,142-149,151 12 39 78 78 78 78 78 78 78 78 78 78	410 411 412-414,429.2 429.2 412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-432,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 487 480-486 466  490-494,496 490-491 492	0.9887 1.0110 1.0054 1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Acute Myocardial Infarction   121-1     Other Acute Ischemic Heart Disease   124     Other Forms of Chronic Ischemic Heart Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Atherosclerotic Cardiovascular Disease   120,1     Other Heart Diseases   120,1     Other Heart Diseases   126,1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130,1     Heart Failure   150     Other Forms Heart Disease   126,1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160,-     Atherosclerosis   170     Other Arteries, Arterioles, Capillaries Disease   172,-     Ather Circulatory System Disorders   180,-     Influenza   110     Influenza   110,-     Pneumonia   112,-     Other Acute Lower Respiratory Infections   122,-     Acute Bronchitis & Bronchiolitis   120,-     Acute Lower Respiratory Diseases   140,-     Bronchitis, Chronic & Unspecified   140,-     Bronchitis, Chronic & Unspecified   140,- <tr< td=""><td>222 25 25.1-125.9 51 31,140 28,134-138,142-149,151 12 39 78 78 78 78 78 78 78 78 78 78</td><td>410 411 412-414,429.2 429.2 412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-432,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 487 480-486 466  490-494,496 490-491 492</td><td>0.9887 1.0110 1.0054 1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935</td></tr<>	222 25 25.1-125.9 51 31,140 28,134-138,142-149,151 12 39 78 78 78 78 78 78 78 78 78 78	410 411 412-414,429.2 429.2 412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-432,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 487 480-486 466  490-494,496 490-491 492	0.9887 1.0110 1.0054 1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Other Forms of Chronic Ischemic Heart Disease   120,1     Atherosclerotic Cardiovascular Disease   125,0     All Other Chronic Ischemic Heart Disease   120,1     Other Heart Diseases   126-1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Sociencias   171-1     Actric Aneurysm & Dissection   171-1     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Acute Lower Respiratory Infections   110-1     Influenza   110-1     Influenza   110-2     Pneumonia   112-2     Acute Bronchitis & Bronchiolitis   120-2     Acute Lower Respiratory Infections   122-2     Chronic Lower Respiratory Diseases   140-3     Bronchitis, Chronic & Unspecified   140-2     Bronchitis, Chronic & Unspecified   140-2     Chrenic Lower Respiratory Diseases   140-3	25.1-125.9 51 31,140 28,134-138,142-149,151 12 59 78 78 78 78 99 99 118 111 122 131 141 142 142	412-414,429.2 429.2 412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 480-486 466  490-494,496 490-491 492	1.0054 1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Atherosclerotic Cardiovascular Disease   125.     All Other Chronic Ischemic Heart Disease   120,1     Other Heart Diseases   126-1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Influenza & Pneumonia   J10-1     Influenza   J10-1     Influenza   J10-2     Inreadition   J12-2     Chronic Lower Respiratory Infections   J20-2     Acute Bronchititis & Bronchiolitis   J20-2     Chronic Lower Respiratory Diseases   J40-2     Emphysema   J43     Asthma   J45-2     Other Chronic & Unspecified   J40-2     Emphysema   J43     Asthma   J45-2     Other Chronic L	25.1-125.9 51 31,140 28,134-138,142-149,151 12 59 78 78 78 78 99 99 118 111 122 131 141 142 142	429.2 412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	1.0488 0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
All Other Chronic Ischemic Heart Disease   120,1     Other Heart Diseases   126-1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Circulatory System Disorders   180-1     Influenza & Pneumonia   J10-     Pneumonia   J12-     Other Acute Lower Respiratory Infections   J220-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma	25.1-125.9 51 31,140 28,134-138,142-149,151 12 59 78 78 78 78 78 78 19 11 11 118 122 121 147 142	412-414 415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 487 487 487 487 486 466 466 466 490-494,496 490-491 492	0.9935 0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Other Heart Diseases   126-1     Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Arteries, Arterioles, Capillaries Disease   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Circulatory System Disorders   180-1     Influenza & Pneumonia   J10-1     Influenza   J10-10     Pneumonia   J12-2     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Preumonia   J43     Astma   J45-	51 31,140 28,134-138,142-149,151 12 59 78 78 78 78 78 78 11 11 118 122 121 147 142	415-429.1,429.3-429.9 421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 487 487 487 486 466 466  490-494,496 490-491 492	0.9716 0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Acute & Subacute Endocarditis   133     Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-0     Other Arteries, Arterioles, Capillaries Disease   172-0     Influenza   Pneumonia   J10-0     Influenza   J10-0   112-0     Pneumonia   J12-0   112-0     Other Acute Lower Respiratory Infections   J20-0   Acute Bronchitis & Bronchiolitis     Juppecified Acute Lower Respiratory Infection   J22-0   140-0     Emphysema   J43-0   Asthma   J45-0     Other Respiratory Diseases   J44-0   140-0   140-0     Pneumoconioses & Chemical Effects   J60-0   140-0   140-0   140-0     Chronic Lower Respiratory Diseases   J44-0   140-0   140-0   140-0   140-0	31,140 28,134-138,142-149,151 12 59 78 78 78 99 118 111 118 122 121 147 142	421 420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 480-487 487 480-486 466  490-494,496 490-491 492	0.9964 1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Pericardium Diseases & Acute Myocarditis   130-1     Heart Failure   150     Other Forms Heart Disease   126-1     Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Circulatory System Disorders   180-1     Influenza & Pneumonia   J10-1     Influenza & Pneumonia   J10-1     Influenza   J10-10     Pneumonia   J12-20     Other Acute Lower Respiratory Infections   J20-20     Acute Bronchitis & Bronchiolitis   J20-20     Unspecified Acute Lower Respiratory Infection   J22     Chronic Lower Respiratory Diseases   J40-20     Bronchitis, Chronic & Unspecified   J40-20     Emphysema   J43     Asthma   J45-20     Other Chronic Lower Respiratory Diseases   J44.20     Pneumoconioses & Chemical Effects   J60-20     Pneumonitis Due to Solids & Liquids   J69 <t< td=""><td>28,134-138,142-149,151 12 59 78 78 78 99 118 121 122 121 147 142</td><td>420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 480-487 487 480-486 466  490-494,496 490-491 492</td><td>1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935</td></t<>	28,134-138,142-149,151 12 59 78 78 78 99 118 121 122 121 147 142	420,422-423 428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 441 442-448 451-459 480-487 487 480-487 487 480-486 466  490-494,496 490-491 492	1.0295 1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Heart FailureI50Other Forms Heart DiseaseI26-IEssen Hypertension & Hypertensive Renal DiseaseI10,ICerebrovascular DiseasesI60-IAtherosclerosisI70Other Diseases of Circulatory SystemI71-IAortic Aneurysm & DissectionI71Other Arteries, Arterioles, Capillaries DiseaseI72-IOther Arteries, Arterioles, Capillaries DiseaseI72-IOther Arteries, Arterioles, Capillaries DiseaseI72-IOther Circulatory System DisordersI80-IInfluenzaJ10-InfluenzaJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43-AsthmaJ45-Other Respiratory DiseasesJ44-Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ40-Papendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70,Alcoholic Liver DiseaseK70,Other Chronic Liver DiseaseK70,Other Chronic Liver DiseaseK70,Other Chronic Liver DiseaseK70,Alcoholic Liver DiseaseK70,Alcoholic Liver DiseaseK70,Alcoholic Liver DiseaseK70,Alcoholic	28,134-138,142-149,151 12 59 78 78 78 99 118 121 122 121 147 142	428 415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	1.0410 0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Other Forms Heart Disease   I26-I     Essen Hypertension & Hypertensive Renal Disease   I10,I     Cerebrovascular Diseases   I60-I     Atherosclerosis   I70     Other Diseases of Circulatory System   I71-I     Aortic Aneurysm & Dissection   I71     Other Arteries, Arterioles, Capillaries Disease   I72-I     Other Circulatory System Disorders   I80-I     Influenza & Pneumonia   J10-     Influenza & Pneumonia   J10-     Pneumonia   J12-     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Chronic Lower Respiratory Diseases   J40-     Emphysema   J43     Asthma   J45-     Other Chronic & Unspecified   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K40-     Other Chronic Liver Disease   K70     Other Chronic Liver Disease   K70     Other Chronic Liver Disease & Cirrhosis   K	12 59 78 78 99 118 111 118 112 122 121 147 142	415-417,424-427,429.0- 429.1,429.3-429.9 401,403 430-434,436-438 440 441-448 441 442-448 451-459 480-487 480-487 487 480-486 466 466  490-494,496 490-491 492	0.9373 1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Circulatory System Disorders   180-1     Influenza & Pneumonia   J10-     Influenza   J10-     Pneumonia   J12-     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22     Chronic Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25     Appendix Diseases   K70,     Alcoholic	12 59 78 78 99 118 111 118 112 122 121 147 142	429.1,429.3-429.9     401,403     430-434,436-438     440     441-448     441     442-448     451-459     480-487     487     480-486     466     466     490-494,496     490-491     492	1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Essen Hypertension & Hypertensive Renal Disease   110,1     Cerebrovascular Diseases   160-1     Atherosclerosis   170     Other Diseases of Circulatory System   171-1     Aortic Aneurysm & Dissection   171     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Arteries, Arterioles, Capillaries Disease   172-1     Other Circulatory System Disorders   180-1     Influenza   J10-     Influenza   J10-     Pneumonia   J12-     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22     Chronic Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69-     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K35-     Hernia   <	12 59 78 78 99 118 111 118 112 122 121 147 142	401,403 430-434,436-438 440 441-448 441 442-448 451-459 480-487 480-487 480-486 466 466  490-494,496 490-491 492	1.1192 1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Cerebrovascular Diseases   I60-1     Atherosclerosis   I70     Other Diseases of Circulatory System   I71-1     Aortic Aneurysm & Dissection   I71     Other Arteries, Arterioles, Capillaries Disease   I72-1     Other Arteries, Arterioles, Capillaries Disease   I72-1     Other Arteries, Arterioles, Capillaries Disease   I80-1     Influenza & Pneumonia   J10-1     Influenza & Pneumonia   J10-1     Pneumonia   J12-0     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22-     Chronic Lower Respiratory Diseases   J44-     Bronchitis, Chronic & Unspecified   J440-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J30-     Preptic Ulcer   K25-     Appendix Diseases   K35-     Hernia   K40-     Chronic Liver Disea	39 78 78 99 91 118 111 122 121 121 147 142	430-434,436-438     440     441-448     441     442-448     451-459     480-487     487     480-486     466        490-494,496     490-491     492	1.0588 0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Cerebrovascular Diseases   I60-1     Atherosclerosis   I70     Other Diseases of Circulatory System   I71-1     Aortic Aneurysm & Dissection   I71     Other Arteries, Arterioles, Capillaries Disease   I72-1     Other Arteries, Arterioles, Capillaries Disease   I72-1     Other Arteries, Arterioles, Capillaries Disease   I80-1     Influenza & Pneumonia   J10-1     Influenza & Pneumonia   J10-1     Pneumonia   J12-0     Other Acute Lower Respiratory Infections   J20-     Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22-     Chronic Lower Respiratory Diseases   J44-     Bronchitis, Chronic & Unspecified   J440-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J30-     Preptic Ulcer   K25-     Appendix Diseases   K35-     Hernia   K40-     Chronic Liver Disea	78 78 39 J18 J11 J11 J22 J21 J21 J47 J42	440 441-448 448-486 466 466 490-494 490-494 490-491 492	0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
AtherosclerosisI70Other Diseases of Circulatory SystemI71-1Aortic Aneurysm & DissectionI71Other Arteries, Arterioles, Capillaries DiseaseI72-1Other Circulatory System DisordersI80-1Influenza & PneumoniaJ10-Influenza & PneumoniaJ10-PneumoniaJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ44Bronchitis, Chronic & UnspecifiedJ44.Other Chronic Lower Respiratory DiseasesJ44.Other Chronic Lower Respiratory DiseasesJ44.Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumoinitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK400-Chronic Liver Disease & CirrhosisK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver Disease & CirrhosisK73-Cholelithiasis & Other Gallbladder DisordersK80-Vephritis, Nephrotic Syndrome & NephrosisN00-	78 78 39 J18 J11 J11 J22 J21 J21 J47 J42	441-448 441 442-448 451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	0.9637 0.9456 1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Aortic Aneurysm & DissectionI71Other Arteries, Arterioles, Capillaries DiseaseI72-1Other Circulatory System Disorders180-1Influenza & PneumoniaJ10-Influenza & PneumoniaJ10-Influenza ManageJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69-Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK70.Alcoholic Liver DiseaseK70.Other Chronic Liver DiseaseK70.Other Chronic Liver DiseaseK73.Cholelithiasis & Other Gallbladder DisordersK80.Vephritis, Nephrotic Syndrome & NephrosisN00.	78 99 J18 J11 J18 J22 J21 J21 J47 J42	441 442-448 451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Aortic Aneurysm & DissectionI71Other Arteries, Arterioles, Capillaries DiseaseI72-1Other Circulatory System Disorders180-1Influenza & PneumoniaJ10-Influenza & PneumoniaJ10-Influenza ManageJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69-Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK70.Alcoholic Liver DiseaseK70.Other Chronic Liver DiseaseK70.Other Chronic Liver DiseaseK73.Cholelithiasis & Other Gallbladder DisordersK80.Vephritis, Nephrotic Syndrome & NephrosisN00.	78 99 J18 J11 J18 J22 J21 J21 J47 J42	441 442-448 451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	1.0012 0.8497 1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Other Arteries, Arterioles, Capillaries Disease172-1Other Circulatory System Disorders180-1Influenza & PneumoniaJ10-InfluenzaJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70.Alcoholic Liver DiseaseK70.Other Chronic Liver DiseaseK73.Cholelithiasis & Other Gallbladder DisordersK80.Nephritis, Nephrotic Syndrome & NephrosisN00.	99 J18 J11 J18 J22 J21 J47 J42	451-459 480-487 487 480-486 466 466  490-494,496 490-491 492	1.0293 0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
Dther Circulatory System Disorders180-1nfluenza & PneumoniaJ10-InfluenzaJ10-PneumoniaJ12-Dther Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69-Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70,Alcoholic Liver DiseaseK70,Other Chronic Liver DiseaseK70,Other Chronic Liver DiseaseK73-Choelithiasis & Other Gallbladder DisordersK80-Vephritis, Nephrotic Syndrome & NephrosisN00-	J18 J11 J18 J22 J21 J47 J42	480-487 487 480-486 466 466  490-494,496 490-491 492	0.6982 1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
InfluenzaJ10-PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver Disease & CirrhosisK73-Cholelithiasis & Other Gallbladder DisordersK80-Nephritis, Nephrotic Syndrome & NephrosisN00-	J11 J18 J22 J21 J47 J42	487 480-486 466  490-494,496 490-491 492	1.0088 0.6957 0.9746 0.7465 * 1.0478 0.3935
PneumoniaJ12-Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70.Alcoholic Liver Disease & CirrhosisK73.Cholelithiasis & Other Gallbladder DisordersK80.Nephritis, Nephrotic Syndrome & NephrosisN00.	J18 J22 J21 J47 J42	480-486 466  490-494,496 490-491 492	0.6957 0.9746 0.7465 * 1.0478 0.3935
Other Acute Lower Respiratory InfectionsJ20-Acute Bronchitis & BronchiolitisJ20-Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK73-Cholelithiasis & Other Gallbladder DisordersK80-Nephritis, Nephrotic Syndrome & NephrosisN00-	J22 J21 J47 J42	466 466  490-494,496 490-491 492	0.9746 0.7465 * 1.0478 0.3935
Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22     Chronic Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K40-     Chronic Liver Disease   K70     Other Chronic Liver Disease   K70     Other Chronic Liver Disease & Cirrhosis   K70.     Alcoholic Liver Disease & Cirrhosis   K73.     Cholelithiasis & Other Gallbladder Disorders   K80.     Vephritis, Nephrotic Syndrome & Nephrosis   N00-	121 147 142	466  490-494,496 490-491 492	0.7465 * 1.0478 0.3935
Acute Bronchitis & Bronchiolitis   J20-     Unspecified Acute Lower Respiratory Infection   J22     Chronic Lower Respiratory Diseases   J40-     Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K40-     Chronic Liver Disease   K40-     Chronic Liver Disease   K70     Other Chronic Liver Disease   K70     Other Chronic Liver Disease & Cirrhosis   K73-     Cholelithiasis & Other Gallbladder Disorders   K80-     Nephritis, Nephrotic Syndrome & Nephrosis   N00-	J47 J42	 490-494,496 490-491 492	* 1.0478 0.3935
Unspecified Acute Lower Respiratory InfectionJ22Chronic Lower Respiratory DiseasesJ40-Bronchitis, Chronic & UnspecifiedJ40-EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK40-Chronic Liver DiseaseK70Alcoholic Liver DiseaseK70Other Chronic Liver DiseaseK70Other Chronic Liver DiseaseK73-Cholelithiasis & Other Gallbladder DisordersK80-Nephritis, Nephrotic Syndrome & NephrosisN00-	J42	<u>490-491</u> 492	* 1.0478 0.3935
Bronchitis, Chronic & Unspecified   J40-     Emphysema   J43     Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44.     Pneumoconioses & Chemical Effects   J60-     Pneumocinics Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K35-     Hernia   K40-     Chronic Liver Disease   K70     Other Chronic Liver Disease   K70     Other Chronic Liver Disease   K73-     Cholelithiasis & Other Gallbladder Disorders   K80-     Nephritis, Nephrotic Syndrome & Nephrosis   N00-	J42	<u>490-491</u> 492	0.3935
EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70.Alcoholic Liver DiseaseK70.Other Chronic Liver Disease & CirrhosisK73.Cholelithiasis & Other Gallbladder DisordersK80.Nephritis, Nephrotic Syndrome & NephrosisN00.		492	
EmphysemaJ43AsthmaJ45-Other Chronic Lower Respiratory DiseasesJ44.Pneumoconioses & Chemical EffectsJ60-Pneumonitis Due to Solids & LiquidsJ69Other Respiratory System DiseasesJ00-Peptic UlcerK25-Appendix DiseasesK35-HerniaK40-Chronic Liver DiseaseK70.Alcoholic Liver DiseaseK70.Other Chronic Liver DiseaseK73-Cholelithiasis & Other Gallbladder DisordersK80-Nephritis, Nephrotic Syndrome & NephrosisN00-		492	
Asthma   J45-     Other Chronic Lower Respiratory Diseases   J44,     Pneumoconioses & Chemical Effects   J60-     Pneumonitis Due to Solids & Liquids   J69     Other Respiratory System Diseases   J00-     Peptic Ulcer   K25-     Appendix Diseases   K35-     Hernia   K40-     Chronic Liver Disease   K70     Other Chronic Liver Disease   K70     Other Chronic Liver Disease & Cirrhosis   K73     Cholelithiasis & Other Gallbladder Disorders   K80-     Nephritis, Nephrotic Syndrome & Nephrosis   N00-		493	
Pneumoconioses & Chemical Effects J60-   Pneumonitis Due to Solids & Liquids J69   Other Respiratory System Diseases J00-   Peptic Ulcer K25-   Appendix Diseases K35-   Hernia K40-   Chronic Liver Disease K70,   Alcoholic Liver Disease K70.   Other Chronic Liver Disease K73.   Cholelithiasis & Other Gallbladder Disorders K80.   Nephritis, Nephrotic Syndrome & Nephrosis N00.	J46		0.8938
Pneumoconioses & Chemical Effects J60-   Pneumonitis Due to Solids & Liquids J69   Other Respiratory System Diseases J00-   Peptic Ulcer K25-   Appendix Diseases K35-   Hernia K40-   Chronic Liver Disease K70,   Alcoholic Liver Disease K70.   Other Chronic Liver Disease K73.   Cholelithiasis & Other Gallbladder Disorders K80.   Nephritis, Nephrotic Syndrome & Nephrosis N00.	J47	494,496	1.0970
Pneumonitis Due to Solids & Liquids J69   Other Respiratory System Diseases J00-   Peptic Ulcer K25-   Appendix Diseases K35-   Hernia K40-   Chronic Liver Disease & Cirrhosis K70,   Alcoholic Liver Disease K70   Other Chronic Liver Disease & Cirrhosis K73-   Cholelithiasis & Other Gallbladder Disorders K80-   Nephritis, Nephrotic Syndrome & Nephrosis N00-	J66,J68	500-506	1.0178
Peptic Ulcer K25- Appendix Diseases K35- Hernia K40- Chronic Liver Disease & Cirrhosis K70. Alcoholic Liver Disease Cirrhosis K70. Other Chronic Liver Disease & Cirrhosis K73. Cholelithiasis & Other Gallbladder Disorders K80. Nephritis, Nephrotic Syndrome & Nephrosis N00.		507	1.1185
Peptic Ulcer K25-   Appendix Diseases K35-   Hernia K40-   Chronic Liver Disease & Cirrhosis K70.   Alcoholic Liver Disease K70.   Other Chronic Liver Disease & Cirrhosis K73.   Cholelithiasis & Other Gallbladder Disorders K80.   Nephritis, Nephrotic Syndrome & Nephrosis N00.	J06,J30-J39,J67,J70-J98	034.0,460-465,470-	1.1673
Appendix Diseases   K35-     Hernia   K40-     Chronic Liver Disease & Cirrhosis   K70.     Alcoholic Liver Disease   K70     Other Chronic Liver Disease & Cirrhosis   K73-     Cholelithiasis & Other Gallbladder Disorders   K80-     Nephritis, Nephrotic Syndrome & Nephrosis   N00-	1/00	478,495,508-519	0.0000
Hernia K40-   Chronic Liver Disease & Cirrhosis K70,   Alcoholic Liver Disease K70   Other Chronic Liver Disease & Cirrhosis K73-   Cholelithiasis & Other Gallbladder Disorders K80-   Nephritis, Nephrotic Syndrome & Nephrosis N00-		531-534	0.9696
Chronic Liver Disease & Cirrhosis K70.   Alcoholic Liver Disease K70   Other Chronic Liver Disease & Cirrhosis K73.   Cholelithiasis & Other Gallbladder Disorders K80.   Nephritis, Nephrotic Syndrome & Nephrosis N00.		540-543	1.0347
Alcoholic Liver Disease K70   Other Chronic Liver Disease & Cirrhosis K73   Cholelithiasis & Other Gallbladder Disorders K80   Nephritis, Nephrotic Syndrome & Nephrosis N00		550-553	1.0395
Other Chronic Liver Disease & Cirrhosis     K73       Cholelithiasis & Other Gallbladder Disorders     K80       Nephritis, Nephrotic Syndrome & Nephrosis     N00	K73-K74	571	1.0367
Cholelithiasis & Other Gallbladder Disorders     K80       Nephritis, Nephrotic Syndrome & Nephrosis     N00	1/7 4	571.0-571.3	1.0183
Nephritis, Nephrotic Syndrome & Nephrosis N00-		571.4-571.9	1.0535
		574-575	0.9567
A suite/Dussuessity Alambuiltis/Alambustis Ormal	N07,N17-N19,N25-N27	580-589	1.2320
	N01,N04	580-581	0.6466
	N03,N05-N07,N26	582-583,587	0.3858
Renal Failure N17		584-586	1.2949
Other Kidney Disorders N25,		588-589	0.9091
	N12,N13.6,N15.1	590	1.0069
Hyperplasia of Prostate N40		600	0.9969
Female Pelvic Organs–Inflammatory Diseases N70-	N/ 0	614-616	0.9844
	000	630-676	*
	099	630-639	*
	O07	6/11-6/5	*
	007 099	640-676	4 0050
	007 099 P96	760-771.2,771.4-779	1.0658
Symptoms, Signs, Abnormal Clinical/Lab Findings R00- All Other Diseases (Residual) Resi	007 099 P96 Q99		1.0658 0.8470 0.9553

## ICD-10 vs. ICD-9 (Cont.) -- COMPARABILITY RATIOS FOR 113 SELECTED CAUSES OF DEATH:

Cause of Death	ICD-10 Codes	ICD-9 Codes	Comparabilit <u></u> Ratio
Unintentional Injury (Accident)	V01-X59,Y85-Y86	E800-E869,E880-E929	1.0305
Transport Accident	V01-V99,Y85	E800-E848,E929.0,E929.1	0.9978
	V02-V04,V09.0,V09.2,V12-		
	V14,V19.0-V19.2,V19.4-V19.6,V20-		
	V79,V80.3-V80.5,V81.0-		
Motor Vehicle	V81.1,V82.0-V82.1,V83-V86,V87.0-	E810-E825	0.9754
	V87.8,V88.0-V88.8,V89.0,V89.2		
	V01,V05-V06,V09.1,V09.3-		
	V09.9,V10-V11,V15-		
	V18,V19.3,V19.8-V19.9,V80.0-		
Other Land Transport	V80.2, V80.6-V80.9, V81.2-	E800-E807,E826-E829	*
····	V81.9,V82.2-	,	
	V82.9,V87.9,V88.9,V89.1,V89.3,		
	V89.9		
Water/Air/Space/Other-Unspecified Transport & Sequelae	V90-V99,Y85	E830-E848,E929.0,E929.1	1.0115
No. double of Act of the of	E850-E869,E880-	E850-E869,E880-	4 0700
Nontransport Accident	W00-X59,Y86	E928,E929.2-E929.9	1.0763
Falls	W00-W19	E880-E888	0.8409
Firearms Discharge	W32-W34	E922	1.0579
Drowning & Submersion	W65-W74	E910	0.9965
Smoke, Fire, Flames Exposure	X00-X09	E890-E899	0.9743
Poisoning & Noxious Substance Exposure	X40-X49	E850-E869,E924.1	*
	W20-W31,W35-W64,W75-W99,X10-	E900-E909,E911-E921,E923-	
Other & Unspecified Nontransport & Sequelae	X39,X50-X59,Y86	E924.0,E924.8-E928,E929.2-	1.4188
	A39,A30-A39,186	E929.9	
Suicide	X60-X84,Y87.0	E950-E959	0.9962
Firearms Discharge	X72-X74	E955.0-E955.4	0.9982
Other & Unspec Means & Sequelae	X60-X71,X75-X84,Y87.0	E950-E954,E955.5-E959	0.9896
Homicide	X85-Y09,Y87.1	E960-E969	0.9983
Firearms Discharge	X93-X95	E965.0-E965.4	0.9969
Other & Unspecified Means & Sequelae	X85-X92,X96-Y09,Y87.1	E960-E964,E965.5-E969	1.0017
Legal Intervention	Y35,Y89.0	E970-E978	*
Undetermined Injury	Y10-Y34,Y87.2,Y89.9	E980-E989	*
Firearms Discharge	Y22-Y24	E985.0-E985.4	*
Other & Unspecified Event & Sequelae	Y10-Y21,Y25-Y34,Y87.2,Y89.9	E980-E984,E985.5-E989	*
War Operations & Sequelae	Y36,Y89.1	E990-E999	*
Medical & Surgical Care Complications	Y40-Y84,Y88	E870-E879,E930-E949	*

## ICD-10 vs. ICD-9 (Cont.) -- COMPARABILITY RATIOS FOR 113 SELECTED CAUSES OF DEATH:

--Category not applicable \* Figure does not meet standards of reliability or precision

# 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.

Number of events to specific age group x 1,000 (or 100,000) Estimated midyear population of specific age group

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

Number of deaths from a specific cause x 100,000 Estimated midyear population

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

Number of live births x 1,000 Estimated midyear population

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

Number of deaths x 1,000 Estimated midyear population

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

Number of divorces x 1,000 Estimated midyear population

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

Number of marriages x 1,000 Estimated midyear population

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

Number of fetal deaths  $\times$  1,000 Number of live births + number of fetal deaths

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

Number of fetal deaths x 1,000 Number of live births

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

Number of live births x 1,000 Estimated midyear female population aged 15-44 years Infant mortality rate: Deaths to individuals less than 1 year of age per 1,000 live births.

Number of infant deaths x 1,000 Number of live births

**Maternal mortality rate:** Number of deaths due to complications of pregnancy, childbirth, abortion, or the puerperium (ICD-10 000-099) per 10,000 live births.

Number of maternal deaths x 10,000 Number of live births

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

Number of live births - number of deaths

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

Number of deaths < 28 days x 1,000 Number of live births

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

Number of live births to unwed mothers x 100 Number of live births

**Percent low birth weight:** Percent of live births weighing less than 2500 grams to the total number of live births.

Number of low weight live births x 100 Number of live births

**Percent very low birth weight:** Percent of live births weighing less than 1500 grams to the total number of live births.

Number of very low weight live births x 100 Number of live births

**Perinatal mortality rate:** Fetal deaths (20 weeks or more gestation) plus neonatal deaths (occurring in the first 28 days of life) per 1,000 live births plus fetal deaths.

Number of fetal deaths + number of neonatal deaths x 1,000 Number of fetal deaths + number of live births

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

Number of infant deaths aged 28 through 364 days x 1,000 Number of live births

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

# SOURCES OF ADDITIONAL DATA

INFORMATION:	AGENCY AND TELEPHONE NUMBER:
Florida copies of vital records	. Office of Vital Statistics Department of Health (904) 359-6900 or Suncom 826-6900, ext. 9000
Florida public health trend data (Historical data on most aspects of public health in Florida from 1961 to the present)	. Public Health Indicators Data System Office of Planning, Evaluation, and Data Analysis Department of Health (850) 245-4009 or Suncom 205-4009 Internet: www.doh.state.fl.us
Florida morbidity statistics	Department of Health Office of Epidemiology (850) 245-4401 or Suncom 205-4401 Disease Control (850) 245-4300 or Suncom 205-4300 AIDS Prevention (850) 245-4336 or Suncom 205-4336
Florida population estimates	State Data Center Department of Labor State of Florida (850) 488-1048 or Suncom 278-1048
Florida health information	Agency for Health Care Administration State of Florida (850) 922-5569 Internet: www.floridahealthstat.com
National vital statistics	. National Center for Health Statistics (301)436-8500 Internet: www.cdc.gov/nchs/
National morbidity statistics	. Centers for Disease Control (404)639-3311 Internet: www.cdc.gov/
National population census data	. Bureau of the Census (301)457-1214 Internet: www.census.gov/
National accident statistics	. National Safety Council (708)285-1121