

## APPENDIX C: ICD9 CODES

### GENERAL MORTALITY

When analyzing causes of death, *International Classification of Diseases - Ninth Edition* (ICD-9) codes are grouped according to certain logical categories. For purposes of comparing leading causes of death in Alaska with leading causes of death in the United States (Tables 5.7A through 5.10B), it is important to use the same groupings and definitions. On the other hand, when looking at specific problem areas in Alaska such as alcohol use and abuse, it is important to consider all types of death from alcohol. For that reason, ICD-9 code 425.5, alcoholic cardiomyopathy, is grouped with heart disease in Tables 5.7A through 5.10B, and with alcohol use/abuse in Tables 5.11A through 5.15.

Table C.1 lists all ICD-9 codes and shows how they are grouped. Please note that if any cause in a column does not appear in the specified set of tables, this indicates there were no deaths from that cause in the reporting period (e.g. measles).

**TABLE C.1 ICD-9 CAUSE OF DEATH CODES FOR GENERAL MORTALITY**

CAUSE OF DEATH (TABLES 5.7A-5.10B)	CAUSE OF DEATH (TABLES 5.11A-5.11B)	CAUSE OF DEATH (TABLES 5.12-5.15)	ICD-9 CODES
ALL OTHER CAUSES	SHIGELLOSIS & AMEIASIS	ALL OTHER CAUSES	004, 006
ALL OTHER CAUSES	TUBERCULOSIS	TUBERCULOSIS	010-018
ALL OTHER CAUSES	WHOOPING COUGH	ALL OTHER CAUSES	033
ALL OTHER CAUSES	STREPTOCOCCAL SORE THROAT, SCARLATINA & ERYSIPELAS	ALL OTHER CAUSES	034-035
ALL OTHER CAUSES	MENINGOCOCCAL INFECTION	ALL OTHER CAUSES	036
SEPTICEMIA	SEPTICEMIA	SEPTICEMIA	038
ALL OTHER CAUSES	HIV INFECTION	HIV INFECTION	042-044
ALL OTHER CAUSES	ACUTE POLIOMYELITIS	ALL OTHER CAUSES	045
ALL OTHER CAUSES	MEASLES	ALL OTHER CAUSES	055
ALL OTHER CAUSES	VIRAL HEPATITIS	ALL OTHER CAUSES	070
ALL OTHER CAUSES	SYPHILIS	ALL OTHER CAUSES	090-097
CANCER	CANCER	CANCER: LIP, ORAL CAVITY & PHARYNX	140-149
CANCER	CANCER	CANCER: DIGESTIVE ORGANS & PERITONEUM	150-159
CANCER	CANCER	CANCER: RESPIRATORY & INTRATHORACIC ORGANS	160-165
CANCER	CANCER	CANCER: OTHER & UNSPECIFIED SITES	170-173, 190-199
CANCER	CANCER	CANCER: BREAST	174-175
CANCER	CANCER	CANCER: GENITAL ORGANS	179-187
CANCER	CANCER	CANCER: URINARY ORGANS	188-189
CANCER	CANCER	CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES	200-203
CANCER	CANCER	CANCER: LEUKEMIA	204-208
ALL OTHER CAUSES	BENIGN NEOPLASMS	ALL OTHER CAUSES	210-239
DIABETES MELLITUS	DIABETES MELLITUS	DIABETES MELLITUS	250
ALL OTHER CAUSES	NUTRITIONAL DEFICIENCIES	ALL OTHER CAUSES	260-269
ALL OTHER CAUSES	ANEMIAS	ALL OTHER CAUSES	280-285
ALL OTHER CAUSES	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	291, 303, 305.0, 357.5, 535.3, 790.3
ALL OTHER CAUSES	MENINGITIS	ALL OTHER CAUSES	320-322
ALZHEIMER'S DISEASE	ALZHEIMER'S DISEASE	ALZHEIMER'S DISEASE	331.0
HEART DISEASE	HEART DISEASE	RHEUMATIC FEVER & RHEUMATIC HEART DISEASE	390-398
HYPERTENSION	HYPERTENSION	ALL OTHER CAUSES	401, 403
HEART DISEASE	HEART DISEASE	HYPERTENSIVE HEART DISEASE	402

Continued ↻

TABLE C.1 (CONTINUED)

CAUSE OF DEATH (TABLES 5.7A-5.10B)	CAUSE OF DEATH (TABLES 5.11A-5.11B)	CAUSE OF DEATH (TABLES 5.12-5.15)	ICD-9 CODES
HEART DISEASE	HEART DISEASE	HYPERTENSIVE HEART & RENAL DISEASE	404
HEART DISEASE	HEART DISEASE	ACUTE MYOCARDIAL INFARCTION	410
HEART DISEASE	HEART DISEASE	OTHER ACUTE & SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	411
HEART DISEASE	HEART DISEASE	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	412, 414
HEART DISEASE	HEART DISEASE	ANGINA PECTORIS	413
HEART DISEASE	HEART DISEASE	OTHER HEART DISEASE	415.0-425.4, 425.6-429.9
HEART DISEASE	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	425.5
CEREBROVASCULAR DISEASES	CEREBROVASCULAR DISEASES	CEREBROVASCULAR DISEASES	430-438
ALL OTHER CAUSES	ATHEROSCLEROSIS	ATHEROSCLEROSIS	440
ALL OTHER CAUSES	ACUTE BRONCHITIS & BRONCHIOLITIS	ACUTE BRONCHITIS & BRONCHIOLITIS	466
PNEUMONIA & INFLUENZA	PNEUMONIA & INFLUENZA	PNEUMONIA & INFLUENZA	480-487
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	CHRONIC OBSTRUCTIVE PULMONARY DISEASES	OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	490-491, 494-496
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	CHRONIC OBSTRUCTIVE PULMONARY DISEASES	EMPHYSEMA	492
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	CHRONIC OBSTRUCTIVE PULMONARY DISEASES	ASTHMA	493
ALL OTHER CAUSES	ULCER OF STOMACH & DUODENUM	ALL OTHER CAUSES	531-533
ALL OTHER CAUSES	APPENDICITIS	ALL OTHER CAUSES	540-543
ALL OTHER CAUSES	HERNIA OF ABDOMINAL CAVITY OR INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	ALL OTHER CAUSES	550-553, 560
CHRONIC LIVER DISEASE & CIRRHOSIS	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	571.0-571.3
CHRONIC LIVER DISEASE & CIRRHOSIS	CHRONIC LIVER DISEASE & CIRRHOSIS	CHRONIC LIVER DISEASE & CIRRHOSIS	571.4-571.9
ALL OTHER CAUSES	DISORDERS OF GALLBLADDER	ALL OTHER CAUSES	574-575
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	580-589
ALL OTHER CAUSES	INFECTIONS OF KIDNEY	ALL OTHER CAUSES	590
ALL OTHER CAUSES	HYPERPLASIA OF PROSTATE	ALL OTHER CAUSES	600
ALL OTHER CAUSES	PREGNANCY WITH ABORTIVE OUTCOME	ALL OTHER CAUSES	630-638
CONGENITAL ANOMALIES	CONGENITAL ANOMALIES	CONGENITAL ANOMALIES	740-759
PERINATAL PERIOD CONDITIONS	PERINATAL PERIOD CONDITIONS	PERINATAL PERIOD CONDITIONS	760-779
ALL OTHER CAUSES	SIDS	SIDS	798.0

Continued ↻

TABLE C.1 (CONTINUED)

CAUSE OF DEATH (TABLES 5.7A-5.10B)	CAUSE OF DEATH (TABLES 5.11A-5.11B)	CAUSE OF DEATH (TABLES 5.12-5.15)	ICD-9 CODES
ALL OTHER CAUSES	ALL OTHER INTERNAL CAUSES	ALL OTHER CAUSES	001-003, 005, 007-009, 020-032, 037, 039-041, 046-054, 056-066, 071-088, 098-139, 240-249, 251-259, 270-279, 286-290, 292-302, 304, 305.1-319.9, 323-330, 331.1-357.4, 357.6-389.9, 399, 405-409, 439, 441-465, 467-479, 488-489, 497-530, 534.0-535.2, 535.4-539.9, 544-549, 554-559, 561-570, 572-573, 576-579, 591-599, 601-629, 640-739, 780.0-790.2, 790.4-797.9, 798.1-799.9
ACCIDENTS & ADVERSE EFFECTS	OTHER ACCIDENTS	ALL OTHER ACCIDENTS & ADVERSE EFFECTS	E800-E809, E826-E858, E861-E949
ACCIDENTS & ADVERSE EFFECTS	MOTOR VEHICLE ACCIDENTS	MOTOR VEHICLE ACCIDENTS	E810-E825
ACCIDENTS & ADVERSE EFFECTS	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	E860
SUICIDE	SUICIDES	SUICIDE	E950-E959
HOMICIDE & LEGAL INTERVENTION	HOMICIDES	HOMICIDE & LEGAL INTERVENTION	E960-E978
ALL OTHER CAUSES	ALL OTHER EXTERNAL CAUSES	ALL OTHER CAUSES	E980-E999

**E-CODES (ACCIDENTS, SUICIDES AND HOMICIDES)**

The following descriptions are used for ICD-9 codes in the Child Deaths chapter and Tables 6.16A through 6.20 in the Death Chapter. Since the overwhelming majority of childhood deaths are due to accidents, suicides and homicides, the same categories are used in that chapter as in the section on external causes of death in the Death Chapter. Natural cause codes are not included in Death Chapter Tables 6.16A through 6.20.

**TABLE C.2 ICD-9 CODES FOR CHILDHOOD DEATHS (TABLES 3.2C, 3.4A, AND 3.4B) AND EXTERNAL CAUSES (TABLES 6.16A-6.20)**

<b>MANNER OF DEATH</b>	<b>CAUSE OF DEATH</b>	<b>ICD-9 CODES</b>
NATURAL CAUSE	CANCER	140-208 (Childhood Deaths only)
NATURAL CAUSE	BENIGN NEOPLASMS	238-239 (Childhood Deaths only)
NATURAL CAUSE	NERVOUS SYSTEM DISORDERS	320-359 (Childhood Deaths only)
NATURAL CAUSE	HEART DISEASE	390-429 (Childhood Deaths only)
NATURAL CAUSE	CONGENITAL ANOMALIES	740-759 (Childhood Deaths only)
NATURAL CAUSE	OTHER NATURAL CAUSES	001-139, 209-237, 240-319, 360-389, 430-739, 760-799 (Childhood Deaths only)
ACCIDENT	RAILWAY	E800-E807
ACCIDENT	MOTOR VEHICLE	E810-E825
ACCIDENT	OTHER ROAD VEHICLE	E826-E829
ACCIDENT	DROWNING	E830, E832, E910
ACCIDENT	WATER TRANSPORT	E831, E833-E838
ACCIDENT	AIR TRANSPORT	E840-E845
ACCIDENT	OTHER VEHICLE	E846-E848
ACCIDENT	POISONING	E850-E869
ACCIDENT	MEDICAL COMPLICATIONS	E870-E879, E930-E949
ACCIDENT	FALLS	E880-E888
ACCIDENT	FIRE/BURNS	E890-E899, E924
ACCIDENT	EXPOSURE	E900-E909
ACCIDENT	SUFFOCATION	E911-E913
ACCIDENT	FOREIGN BODY	E914-E915
ACCIDENT	FIREARMS	E922
ACCIDENT	OTHER ACCIDENTS	E808-E809, E839, E849, E889, E916-E921, E923, E925-E929
SUICIDE	POISONING	E950-E952
SUICIDE	STRANGULATION	E953
SUICIDE	DROWNING	E954
SUICIDE	FIREARMS	E955
SUICIDE	CUTTING/PIERCING	E956
SUICIDE	OTHER SUICIDES	E957-E959
HOMICIDE	FIGHT/RAPE	E960
HOMICIDE	POISONING	E962
HOMICIDE	STRANGULATION	E963
HOMICIDE	DROWNING	E964
HOMICIDE	FIREARMS	E965, E970-E971
HOMICIDE	CUTTING/PIERCING	E966, E974
HOMICIDE	CHILD BATTERING	E967
HOMICIDE	OTHER HOMICIDES	E961, E968-E969
HOMICIDE	OTHER LEGAL INTERVENTION	E972-E973, E975-E978
OTHER	POISONING	E980-E982
OTHER	STRANGULATION	E983
OTHER	DROWNING	E984
OTHER	FIREARMS	E985
OTHER	OTHER EXTERNAL CAUSES	E986-E999

**INFANT MORTALITY**

Table C.3 lists ICD-9 codes and shows how they are grouped in Infant Death Tables 2.7-2.8.

**TABLE C.3 ICD-9 CAUSE OF DEATH CODES FOR INFANT MORTALITY**

<b>INFANT DEATHS (TABLES 2.7-2.8)</b>	<b>ICD-9 CODES</b>
WHOOPING COUGH	033
MENINGOCOCCAL INFECTION	036
SEPTICEMIA	038
VIRAL DISEASES	045-079
CONGENITAL SYPHILIS	090
CANCER	140-208
BENIGN NEOPLASMS	210-239
THYMUS GLAND DISEASES	254
CYSTIC FIBROSIS	277.0
BLOOD AND BLOOD-FORMING ORGAN DISEASES	280-289
MENINGITIS	320-322
ACUTE UPPER RESPIRATORY INFECTIONS	460-465
BRONCHITIS AND BRONCHIOLITIS	466, 490-491
PNEUMONIA & INFLUENZA	480-487
GASTRITIS, DUODENITIS, AND NONINFECTIVE ENTERITIS AND COLITIS	535, 555-558
HERNIA OF ABDOMINAL CAVITY AND INTESTINAL OBSTRUCTIONS	550-553, 560
CONGENITAL ANOMALIES	740-759
MATERNAL CONDITIONS (UNRELATED TO PRESENT PREGNANCY)	760
MATERNAL COMPLICATIONS OF PREGNANCY	761
PLACENTA, CORD, AND MEMBRANE COMPLICATIONS	762
LABOR & DELIVERY: OTHER COMPLICATIONS	763
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764
SHORT GESTATION & LOW BIRTHWEIGHT RELATED DISORDERS	765
LONG GESTATION AND HIGH BIRTHWEIGHT RELATED DISORDERS	766
BIRTH TRAUMA	767
INTRAUTERINE HYPOXIA & BIRTH ASPHYXIA	768.2-768.9
RESPIRATORY DISTRESS SYNDROME	769
PERINATAL PERIOD INFECTIONS	771
NEONATAL HEMORRHAGE	772
HEMOLYTIC DISEASE OF NEWBORN	773-774
INFANT OF DIABETIC MOTHER AND NEONATAL DIABETES MELLITUS	775.0-775.1
HEMORRHAGIC DISEASE OF NEWBORN	776.0
SIDS	798.0
ACCIDENTS & ADVERSE EFFECTS	E800-E949
HOMICIDE	E960-E969
ALL OTHER CAUSES	001-032, 034-035, 037, 039-044, 080-088, 091-139, 240-253, 255-276, 277.1-279.9, 290-319, 323-459, 470-478, 492-534, 536-543, 561-739, 768.0-768.1, 770, 775.2-775.9