

**TRANSACTIONS OF SOCIETY OF ACTUARIES
1979 REPORTS**

TRANSACTIONS

1979 REPORTS OF MORTALITY AND MORBIDITY EXPERIENCE

REPORTS OF THE COMMITTEE ON MORTALITY UNDER
ORDINARY INSURANCES AND ANNUITIES

I. CAUSE OF DEATH CODE FOR
MORTALITY INVESTIGATIONS

THE cause of death code on the following pages has been prepared by the Committee on Mortality under Ordinary Insurances and Annuities, in replacement of the corresponding 1970 code, which appeared in the *1969 Reports of the Transactions of the Society of Actuaries*, pages 1-4. The new code is based on the Ninth Revision of the International Classification of Diseases, published by the World Health Organization in 1977. The left-hand column gives the Committee code numbers for use by insurance companies in intercompany studies. The right-hand column gives the corresponding code numbers in the international classification.

The recommended effective date for the new Committee code is January 1, 1980.

While the Ninth Revision code constitutes a rather major revision of the Eighth Revision code, upon which the 1970 Committee code was based, there are no significant changes in the cause of death groupings for purposes of transmitting cause of death data for intercompany studies.

1980 CODE FOR CAUSE OF DEATH
(Effective January 1, 1980)

| Committee Code Numbers | Cause Groups | Ninth Revision International Classification Code Numbers |
|---|--|--|
| <i>Infective and Parasitic Diseases</i> | | |
| 01 | Tuberculosis of respiratory system | 010-012 |
| 02 | Tuberculosis, other forms | 013-018 |
| 03 | Syphilis | 090-097 |
| 04 | Typhoid and paratyphoid fevers | 002 |
| 05 | Other intestinal infectious diseases, including dysentery | 001, 003-009 |
| 06 | Streptococcal sore throat and scarlatina | 034 |
| 07 | Septicemia | 038 |
| 08 | Diphtheria | 032 |
| 09 | Whooping cough | 033 |
| 10 | Meningococcal infection | 036 |
| 11 | Tetanus | 037 |
| 12 | Acute poliomyelitis | 045 |
| 13 | Encephalitis | 062-064 |
| 14 | Measles | 055 |
| 15 | Typhus and rickettsiosis | 080-083 |
| 16 | Malaria | 084 |
| | | {020-027, 030, 031, 035 |
| | | 039-041 |
| 17 | All other diseases classified as infective and parasitic | 046-054 056, 057 060-061, 065-066 070-079, 085-088 098-104 110-118, 120-139 |
| <i>Neoplasms</i> | | |
| 18 | Malignant neoplasm of lip, oral cavity, and pharynx | 140-149 |
| 19 | Malignant neoplasm of esophagus | 150 |
| 20 | Malignant neoplasm of stomach | 151 |
| 21 | Malignant neoplasm of small intestine and colon, except rectum | 152, 153 |
| 22 | Malignant neoplasm of rectum | 154 |
| 23 | Malignant neoplasm of larynx | 161 |
| 24 | Malignant neoplasm of bronchus, trachea, lung, and other respiratory organs not specified as secondary | 162-165 |
| 25 | Malignant neoplasm of breast | 174, 175 |
| 26 | Malignant neoplasm of cervix uteri | 180 |
| 27 | Malignant neoplasm of placenta and body of uterus | 181, 182 |
| 28 | Malignant neoplasm of prostate | 185 |
| 29 | Malignant neoplasm of skin | 172, 173 |
| 30 | Malignant neoplasm of bone, articular cartilage, and connective tissue | 170, 171 |
| 31 | Malignant neoplasm of all other and unspecified parts | {155-160, 179, 183 184, 186-199 |
| 32 | Leukemia | 204-208 |
| 33 | Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system | 200-203 |
| 34 | Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and unspecified nature | 210-239 |

1980 CODE FOR CAUSE OF DEATH—Continued

| Committee Code Numbers | Cause Groups | Ninth Revision International Classification Code Numbers |
|------------------------|---|--|
| | <i>Endocrine, Metabolic, Nutritional, and Blood Diseases</i> | |
| 35..... | Nontoxic goiter | 240, 241 |
| 36..... | Thyrotoxicosis with or without goiter | 242 |
| 37..... | Diabetes mellitus | 250 |
| 38..... | Nutritional deficiencies | 260-269 |
| 39..... | Anemias | 280-285 |
| 40..... | All other endocrine, metabolic, and blood disorders | { 243-246 251-259 270-279 286-289 |
| | <i>Mental Disorders and Diseases of Nervous System and Sense Organs</i> | |
| 41..... | Mental disorders, including alcoholism and drug addiction | 290-319 |
| 43..... | Meningitis | 320-322 |
| 44..... | Multiple sclerosis | 340 |
| 45..... | Epilepsy | 345 |
| 46..... | Otitis media, mastoiditis, and eustachian tube disorders | 381-383 |
| 47..... | All other diseases of the nervous system and sense organs | { 323-326 330-337 341-344 346-380 384-389 |
| | <i>Diseases of the Heart and Circulatory System</i> | |
| 48..... | Acute rheumatic fever | 390-392 |
| 49..... | Chronic rheumatic heart disease | 393-398 |
| 50..... | Ischemic heart disease (including coronary disease) and other diseases of endocardium | { 410-414 424 |
| 51..... | Hypertensive disease including hypertension | 401-404 |
| 52..... | All other forms of heart disease | { 415-423 425-429 |
| 53..... | Cerebrovascular diseases | 430-438 |
| 54..... | Diseases of arteries, arterioles, and capillaries | 440-448 |
| 55..... | Diseases of veins and lymphatics, and other diseases of circulatory system | 451-459 |
| | <i>Diseases of the Respiratory System</i> | |
| 56..... | Influenza | 487 |
| 57..... | Pneumonia | 480-486 |
| 60..... | Bronchitis | 466, 490, 491 |
| 61..... | Empyema and abscess of lung and mediastinum | 510, 513 |
| 62..... | Pleurisy | 511 |
| 63..... | All other respiratory diseases | { 460-465 470-478 492-496 500-508, 512 514-519 |

1980 CODE FOR CAUSE OF DEATH—Continued

| Committee Code Numbers | Cause Groups | Ninth Revision International Classification Code Numbers |
|---|---|---|
| <i>Diseases of the Digestive System</i> | | |
| 64..... | Gastric ulcer and peptic ulcer, site un- specified | 531, 533 |
| 65..... | Duodenal ulcer | 532 |
| 66..... | Appendicitis | 540-543 |
| 67..... | Intestinal obstruction and hernia | 550-553, 560 |
| 68..... | Gastritis and duodenitis | 535 |
| 69..... | Gastroenteritis and colitis of noninfectious origin | 555-558, 562 |
| 70..... | Chronic liver disease and cirrhosis | 571 |
| 71..... | Cholelithiasis and other disorders of gall- bladder | 574, 575 |
| 72..... | Other diseases of digestive system | 520-530 534, 536, 537 564-570, 572 573, 576-579 |
| <i>Diseases of the Genitourinary System</i> | | |
| 73..... | Nephritis, nephrotic syndrome, and ne- phrosis | 580-589 |
| 74..... | Infections of kidney | 590 |
| 75..... | Calculi of urinary system | 592, 594 |
| 76..... | Hyperplasia of prostate | 600 |
| 77..... | Other diseases of genitourinary system and diseases of breast | 591, 593 595-599 601-608 610-611 614-629 |
| <i>Pregnancy and Childbirth</i> | | |
| 78..... | Complications of pregnancy, childbirth, and puerperium | 630-648 650-676 |
| <i>Diseases of Skin, Bones, and Organs of Movement</i> | | |
| 79..... | Infections of skin and subcutaneous tissue | 680-686 |
| 80..... | Osteomyelitis and periostitis and other in- fections involving bone | 730 |
| 81..... | Other diseases of skin and musculoskeletal system | 690-698 700-729 731-739 |
| <i>Congenital Anomalies, Birth Injuries, and Other Causes Related to Birth, and Miscellaneous</i> | | |
| 82..... | Congenital anomalies | 740-759 |
| 83..... | Birth injuries and other causes related to birth | 760-779 |
| 86..... | Senility without mention of psychosis | 797 |
| 87..... | Ill-defined and unknown causes | 780-796, 798, 799 |
| <i>Accidents and Violence</i> | | |
| 88..... | Motor vehicle accidents | E810-E825 |
| 89..... | Air and space transport accidents | E840-E845 |
| 90..... | Accidental poisoning | E850-E858 |
| 91..... | Accidental falls | E860-E869 |
| 93..... | Accident caused by fire, explosion of com- bustible material, hot substance, corro- sive or caustic liquid, steam, and radia- tion | E880-E888 |
| 93..... | Accident caused by fire, explosion of com- bustible material, hot substance, corro- sive or caustic liquid, steam, and radia- tion | E890-E899 E923, E924 E926 |

1980 CODE FOR CAUSE OF DEATH—Continued

| Committee Code Numbers | Cause Groups | Ninth Revision International Classification Code Numbers |
|------------------------|---|---|
| | <i>Accidents and Violence—Continued</i> | |
| 94..... | Accident caused by firearm weapons | E922 |
| 95..... | Accidental drowning and submersion | E910 E800-E807 E826-E838 E846-E848 E870-E876 E878-E879 E900-E909 E911-E921, E925 E927-E949 E980-E989 |
| 96..... | All other accidental causes, including self-inflicted injury not specified as intentional | F950-E959 E960-E978 |
| 97..... | Suicide and intentional self-inflicted injury | E990-E999 |
| 98..... | Homicide and injury purposely inflicted by other persons (not in war) | |
| 99..... | Injuries resulting from operations of war | |

TRANSMISSION CODES TO BE USED FOR COMPLETION OF SUMMARY CARDS, FOR CAUSE OF DEATH DATA

| Transmission Code* | Cause of Death | Committee's 1980 Code |
|--------------------|--|-----------------------|
| X0..... | Tuberculosis | 01, 02 |
| X1..... | Other infective and parasitic diseases | 03-17 |
| X2..... | Malignant neoplasms | 18-33 |
| X3..... | Diabetes mellitus | 37 |
| X4..... | Cerebrovascular diseases | 53 |
| X5..... | Chronic rheumatic heart disease | 49 |
| X6..... | Ischemic heart disease and other diseases of endocardium | 50 |
| X7..... | All other forms of heart disease | 52 |
| X8..... | Hypertensive disease including hypertension | 51 |
| X9..... | Other diseases of circulatory system | 54, 55 |
| Y0..... | Pneumonia and influenza | 56, 57 |
| Y1..... | Chronic liver disease and cirrhosis | 70 |
| Y2..... | Other diseases of the digestive system | 64-69, 71, 72 |
| Y3..... | Nephritis, nephrotic syndrome, and nephrosis | 73 |
| Y4..... | All other diseases and unknown causes | Residual |
| Y5..... | Motor vehicle accidents | 88 |
| Y6..... | All other accidents | 89-91, 93-96 |
| Y7..... | Suicide | 97 |
| Y8..... | Homicide | 98 |
| Y9..... | Injury resulting from operations of war | 99 |

* Use numeric X and Y (e.g., X0 would appear as --0, and Y0 would appear as &0).

