

**TABLE 2C-28
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2019**

| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ |
|---|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Total, all causes | 836.8 | 543.0 | 17.5 | 63.2 | 168.2 | 629.7 | 3511.9 |
| Salmonella infections | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Shigellosis and amebiasis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Certain other intestinal infections | 2.6 | ** | ** | 0.0 | ** | 1.6 | 11.9 |
| Enterocolitis due to Clostridium difficile | 1.6 | ** | 0.0 | 0.0 | ** | 1.0 | 7.3 |
| Tuberculosis | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | 0.5 |
| Respiratory tuberculosis | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Other tuberculosis | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** |
| Whooping cough | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Scarlet fever and erysipelas | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Meningococcal infection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Septicemia | 4.7 | ** | 0.0 | ** | 0.8 | 5.7 | 17.3 |
| Syphilis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Acute poliomyelitis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Arthropod-borne encephalitis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Measles | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Viral hepatitis | 1.5 | 0.0 | 0.0 | 0.0 | 0.3 | 3.7 | 3.2 |
| Human immunodeficiency virus (HIV) disease | 0.9 | 0.0 | 0.0 | 0.0 | 0.8 | 2.0 | 1.1 |
| Malaria | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other and unspecified infectious and parasitic diseases | 3.3 | ** | ** | ** | 0.8 | 3.7 | 11.8 |
| Malignant neoplasms | 173.7 | ** | 2.6 | 4.0 | 13.0 | 160.9 | 740.1 |
| Malignant neoplasm of lip, oral cavity and pharynx | 2.6 | 0.0 | 0.0 | 0.0 | ** | 3.4 | 10.0 |
| Malignant neoplasm of esophagus | 4.6 | 0.0 | 0.0 | 0.0 | 0.4 | 4.8 | 19.1 |
| Malignant neoplasm of stomach | 3.1 | 0.0 | 0.0 | 0.0 | 0.6 | 3.1 | 12.6 |
| Malignant neoplasm of colon, rectum, and anus | 15.5 | 0.0 | 0.0 | 0.0 | 1.9 | 17.6 | 60.8 |
| Malignant neoplasm of liver and intrahepatic bile ducts | 9.3 | 0.0 | ** | 0.0 | 0.5 | 11.9 | 36.0 |
| Malignant neoplasm of pancreas | 14.2 | 0.0 | ** | 0.0 | 0.6 | 13.7 | 60.6 |
| Malignant neoplasm of larynx | 0.8 | 0.0 | 0.0 | 0.0 | ** | 1.0 | 3.1 |
| Malignant neoplasm of trachea, bronchus and lung | 34.9 | 0.0 | 0.0 | 0.0 | 0.4 | 26.0 | 162.4 |
| Malignant melanoma of skin | 2.9 | 0.0 | 0.0 | 0.0 | 0.4 | 2.9 | 11.6 |
| Malignant neoplasm of breast | 12.7 | 0.0 | 0.0 | 0.0 | 1.7 | 16.8 | 46.0 |
| Malignant neoplasm of cervix uteri | 2.3 | 0.0 | 0.0 | 0.0 | 1.2 | 5.0 | 3.8 |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 5.6 | 0.0 | 0.0 | 0.0 | ** | 6.6 | 21.1 |
| Malignant neoplasm of ovary | 8.4 | 0.0 | 0.0 | ** | 0.8 | 9.2 | 31.0 |
| Malignant neoplasm of prostate | 20.5 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 112.6 |
| Malignant neoplasm of kidney and renal pelvis | 4.3 | 0.0 | ** | 0.0 | ** | 4.4 | 18.0 |
| Malignant neoplasm of bladder | 5.0 | 0.0 | ** | 0.0 | ** | 2.8 | 24.5 |

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| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ |
|---|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 5.3 | ** | ** | ** | 1.1 | 6.2 | 18.8 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 17.3 | 0.0 | 1.0 | 1.7 | 1.7 | 11.6 | 77.6 |
| Hodgkin's disease | 0.3 | 0.0 | 0.0 | 0.0 | ** | ** | 1.0 |
| Non-Hodgkin's lymphoma | 5.7 | 0.0 | 0.0 | 0.0 | 0.3 | 4.5 | 25.6 |
| Leukemia | 7.6 | 0.0 | 0.9 | 1.7 | 1.1 | 4.8 | 33.0 |
| Multiple myeloma and immunoproliferative neoplasms | 3.6 | 0.0 | 0.0 | 0.0 | ** | 2.0 | 17.6 |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0.1 | 0.0 | ** | 0.0 | 0.0 | ** | ** |
| All other and unspecified malignant neoplasm | 22.7 | 0.0 | 0.9 | 1.3 | 2.2 | 19.5 | 97.1 |
| In situ neoplasms | 5.3 | ** | ** | 0.0 | 0.3 | 1.9 | 27.0 |
| Anemias | 1.0 | 0.0 | ** | 0.0 | ** | 1.1 | 3.6 |
| Diabetes | 30.2 | 0.0 | ** | ** | 4.0 | 33.9 | 117.9 |
| Nutritional deficiencies | 5.8 | ** | 0.0 | 0.0 | ** | 1.2 | 31.0 |
| Malnutrition | 5.4 | ** | 0.0 | 0.0 | ** | 1.1 | 28.9 |
| Other nutritional deficiencies | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 2.1 |
| Obesity | 2.5 | 0.0 | ** | ** | 1.2 | 5.0 | 5.2 |
| Meningitis | 0.2 | 0.0 | ** | ** | 0.0 | 0.4 | 0.6 |
| Parkinson's disease | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 62.1 |
| Alzheimer's disease | 42.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 238.0 |
| Major cardiovascular diseases | 235.6 | 7.6 | 1.1 | ** | 14.4 | 141.2 | 1118.4 |
| Diseases of heart | 174.7 | ** | ** | ** | 10.6 | 110.0 | 823.1 |
| Acute rheumatic fever and chronic rheumatic heart disease | 1.0 | 0.0 | 0.0 | 0.0 | ** | 0.7 | 4.4 |
| Hypertensive heart disease | 19.6 | 0.0 | 0.0 | 0.0 | 1.5 | 15.1 | 88.0 |
| Hypertensive heart and renal disease | 2.3 | 0.0 | 0.0 | 0.0 | ** | 0.5 | 12.3 |
| Ischemic heart disease | 106.0 | ** | 0.0 | 0.0 | 3.9 | 68.4 | 501.9 |
| Acute myocardial infarction | 22.2 | ** | 0.0 | 0.0 | 0.8 | 17.7 | 100.8 |
| Other acute ischemic heart disease | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.4 |
| Other forms of chronic ischemic heart disease | 83.0 | ** | 0.0 | 0.0 | 3.1 | 50.2 | 397.7 |
| Atherosclerotic cardiovascular disease | 21.4 | 0.0 | 0.0 | 0.0 | 1.7 | 24.2 | 85.9 |
| All other forms of chronic ischemic heart disease | 61.5 | ** | 0.0 | 0.0 | 1.4 | 26.0 | 311.8 |
| Other heart diseases | 45.9 | ** | ** | ** | 4.9 | 25.3 | 216.5 |
| Acute and subacute endocarditis | 0.6 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7 | 1.6 |
| Diseases of pericardium and acute myocarditis | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | ** | 1.2 |
| Heart failure | 11.7 | 0.0 | 0.0 | 0.0 | 0.3 | 4.1 | 60.1 |
| All other forms of heart disease | 33.3 | ** | ** | ** | 3.9 | 20.3 | 153.6 |
| Essential (primary) hypertension and hypertensive renal disease | 14.0 | 0.0 | 0.0 | 0.0 | 1.0 | 7.7 | 67.5 |
| Cerebrovascular diseases | 39.6 | ** | 0.5 | ** | 2.0 | 18.4 | 195.6 |
| Atherosclerosis | 1.1 | 0.0 | 0.0 | 0.0 | ** | 0.6 | 5.5 |

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|---|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Other diseases of circulatory system | 6.1 | 0.0 | ** | 0.0 | 0.8 | 4.6 | 26.7 |
| Aortic aneurysm and dissection | 2.9 | 0.0 | 0.0 | 0.0 | 0.5 | 2.6 | 12.3 |
| Other disease of arteries, arterioles and capillaries | 3.1 | 0.0 | ** | 0.0 | 0.3 | 2.0 | 14.4 |
| Other disorders of circulatory system | 1.7 | 0.0 | 0.0 | ** | 0.7 | 2.6 | 4.6 |
| Influenza and pneumonia | 13.2 | ** | ** | ** | 1.3 | 9.9 | 58.6 |
| Influenza | 1.1 | 0.0 | 0.0 | 0.0 | 0.3 | 1.7 | 3.6 |
| Pneumonia | 12.0 | ** | ** | ** | 1.0 | 8.2 | 55.1 |
| Other acute lower respiratory infections | 0.1 | ** | 0.0 | 0.0 | 0.0 | ** | ** |
| Acute bronchiolitis | 0.1 | ** | 0.0 | 0.0 | 0.0 | ** | ** |
| Unspecified acute lower respiratory infection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Chronic lower respiratory diseases | 51.2 | 0.0 | ** | ** | 1.3 | 23.5 | 256.1 |
| Bronchitis, chronic and unspecified | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Emphysema | 2.2 | 0.0 | 0.0 | 0.0 | ** | 1.8 | 10.1 |
| Asthma | 1.2 | 0.0 | ** | ** | 1.1 | 1.2 | 2.9 |
| Other chronic lower respiratory diseases | 47.7 | 0.0 | ** | 0.0 | ** | 20.6 | 242.6 |
| Pneumoconioses and chemical effects | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| Pneumonitis due to solids and liquids | 3.1 | 0.0 | 0.0 | 0.0 | ** | 2.6 | 14.0 |
| Other disease of respiratory system | 12.3 | ** | ** | 0.0 | 0.8 | 6.5 | 58.7 |
| Peptic ulcer | 1.6 | 0.0 | 0.0 | 0.0 | ** | 1.5 | 7.0 |
| Diseases of appendix | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Hernia | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.6 |
| Chronic liver disease and cirrhosis | 16.8 | 0.0 | 0.0 | 0.0 | 7.7 | 33.6 | 35.6 |
| Alcoholic liver disease | 10.7 | 0.0 | 0.0 | 0.0 | 6.1 | 24.6 | 15.9 |
| Other chronic liver disease and cirrhosis | 6.1 | 0.0 | 0.0 | 0.0 | 1.7 | 9.0 | 19.7 |
| Cholelithiasis and other disorders of gallbladder | 1.1 | 0.0 | 0.0 | 0.0 | ** | 0.6 | 5.1 |
| Nephritis, nephrotic syndrome and nephrosis | 10.6 | ** | 0.0 | 0.0 | 0.8 | 7.3 | 48.4 |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** |
| Chronic glomerulonephritis | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Renal failure | 10.4 | ** | 0.0 | 0.0 | 0.8 | 7.1 | 47.9 |
| Others disorders of kidney | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 |
| Infections of kidney | 0.3 | 0.0 | 0.0 | 0.0 | ** | ** | 1.1 |
| Hyperplasia of prostate | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| Inflammatory diseases of female pelvic organs | 0.2 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Pregnancy, childbirth and the puerperium | 1.2 | 0.0 | 0.0 | 0.0 | 2.9 | 1.0 | 0.0 |
| Pregnancy with abortive outcome | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other complications of pregnancy, childbirth and the puerperium | 1.2 | 0.0 | 0.0 | 0.0 | 2.9 | 1.0 | 0.0 |

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|--|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Perinatal conditions | 2.5 | 228.6 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Congenital anomalies, deformations and chromosomal abnormalities | 2.8 | 130.1 | 1.2 | ** | 0.9 | 1.3 | 2.5 |
| Symptoms, signs, abnormal findings | 14.1 | 74.5 | 1.1 | ** | 2.5 | 7.4 | 59.6 |
| Total accidents | 62.9 | 25.3 | 4.6 | 30.3 | 64.0 | 71.3 | 123.4 |
| Transport accidents | 14.7 | ** | 2.7 | 13.9 | 17.9 | 17.0 | 18.7 |
| Motor vehicle accidents | 13.5 | ** | 2.5 | 13.5 | 16.7 | 15.2 | 17.2 |
| Other land transport accidents | 0.5 | 0.0 | ** | ** | 0.6 | 0.8 | 0.6 |
| Water, air, space | 0.7 | 0.0 | 0.0 | ** | 0.7 | 1.1 | 0.9 |
| Nontransport accidents | 48.2 | 24.0 | 1.9 | 16.4 | 46.1 | 54.2 | 104.7 |
| Falls | 15.4 | 0.0 | ** | ** | 0.9 | 5.3 | 78.5 |
| Accidental discharge of firearms | 0.2 | 0.0 | ** | ** | 0.3 | ** | 0.0 |
| Accidental drowning and submersion | 1.4 | ** | 0.7 | ** | 0.9 | 2.0 | 2.3 |
| Accidental exposure to smoke, fire and flames | 0.6 | 0.0 | ** | 0.0 | ** | 1.0 | 1.7 |
| Accidental poisoning | 25.0 | ** | ** | 14.1 | 40.9 | 39.1 | 7.0 |
| Other and unspecified nontransport accidents | 5.6 | 21.5 | 0.7 | ** | 3.0 | 6.5 | 15.4 |
| Intentional self-harm (suicide) | 19.6 | 0.0 | 1.2 | 10.7 | 23.1 | 26.8 | 26.8 |
| By discharge of firearms | 11.2 | 0.0 | ** | 4.2 | 12.3 | 14.0 | 20.0 |
| By other means | 8.4 | 0.0 | 0.8 | 6.5 | 10.8 | 12.8 | 6.8 |
| Assault (homicide) | 5.7 | 10.1 | 1.5 | 9.1 | 9.7 | 4.6 | 2.5 |
| By discharge of firearms | 4.0 | 0.0 | 0.6 | 8.2 | 7.6 | 2.8 | 0.8 |
| By other means | 1.7 | 10.1 | 0.9 | ** | 2.1 | 1.7 | 1.7 |
| Legal intervention | 0.2 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | ** |
| Events of undetermined intent | 2.0 | 16.4 | ** | 1.7 | 2.3 | 2.5 | 1.7 |
| Discharge of firearms | 0.2 | 0.0 | 0.0 | ** | 0.4 | ** | ** |
| Other and unspecified events of undetermined intent | 1.8 | 16.4 | ** | ** | 1.9 | 2.4 | 1.7 |
| Operations of war | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Complications of medical and surgical care | 1.6 | ** | ** | 0.0 | ** | 1.5 | 6.5 |
| Injury by firearms ^b | 15.8 | 0.0 | 1.1 | 13.7 | 21.0 | 17.1 | 21.0 |
| Drug-induced deaths ^b | 27.9 | ** | ** | 15.2 | 43.1 | 43.7 | 12.4 |
| Opioid-induced deaths | 17.9 | ** | ** | 12.0 | 33.1 | 21.8 | 5.5 |
| Alcohol-induced deaths ^b | 17.7 | 0.0 | 0.0 | 0.0 | 12.1 | 39.9 | 24.0 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a The rates for infants <1 year of age are per 100,000 births; all other rates are per 100,000 population in specified group; the rates for malignant neoplasm of cervix uteri, corpus uteri, ovary, inflammatory disease of female pelvic organs and complications of pregnancy are per 100,000 females; the rates for prostate cancer and hyperplasia of prostate are per 100,000 males; ^b Included in selected categories above.