

**Table 48. Deaths from selected occupational diseases for persons 15 years of age and over: United States, selected years 1980–2001**

[Data are based on death certificates]

Cause of death <sup>1</sup>	1980	1985	1990	1995	1998	1999 <sup>2</sup>	2000	2001
Underlying and nonunderlying cause of death	Number of mentions							
Angiosarcoma of liver <sup>3</sup>	---	---	---	---	---	4	16	25
Malignant mesothelioma <sup>4</sup>	699	715	874	897	1,064	2,485	2,531	2,508
Pneumoconiosis <sup>5</sup>	4,151	3,783	3,644	3,151	2,790	2,739	2,859	2,743
Coal workers' pneumoconiosis	2,576	2,615	1,990	1,413	1,103	1,002	949	886
Asbestosis	339	534	948	1,169	1,221	1,259	1,486	1,449
Silicosis	448	334	308	242	178	185	151	163
Other (including unspecified)	814	321	413	343	311	310	290	260
Underlying cause of death	Number of deaths							
Angiosarcoma of liver <sup>3</sup>	---	---	---	---	---	3	15	22
Malignant mesothelioma <sup>4</sup>	531	573	725	780	935	2,343	2,384	2,371
Pneumoconiosis	1,581	1,355	1,335	1,117	1,099	1,081	1,142	1,110
Coal workers' pneumoconiosis	982	958	734	533	421	409	389	367
Asbestosis	101	139	302	355	458	449	558	550
Silicosis	207	143	150	114	93	102	71	82
Other (including unspecified)	291	115	149	115	127	121	124	111

--- Data not available.

<sup>1</sup>Cause-of-death titles for selected occupational diseases and corresponding code numbers according to the Ninth and Tenth Revisions, *International Classification of Diseases*. See Appendix II, table IV.

Cause of death	ICD-9 code	ICD-10 code
Angiosarcoma of liver	---	C22.3
Malignant mesothelioma	158.8, 158.9, 163	C45
Pneumoconiosis	500–505	J60–J66
Coal workers' pneumoconiosis	500	J60
Asbestosis	501	J61
Silicosis	502	J62
Other (including unspecified)	503–505	J63–J66

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD-10. See Appendix II, *International Classification of Diseases* (ICD). Discontinuities exist between 1998 and 1999 due to ICD-10 coding and classification changes. Caution should be exercised in interpreting trends for these causes, especially for those causes with major ICD-10 changes (e.g., malignant mesothelioma).

<sup>3</sup>Prior to 1999 there was no discrete code for this condition.

<sup>4</sup>Prior to 1999 the combined ICD-9 categories of malignant neoplasm of peritoneum and malignant neoplasm of pleura served as a crude surrogate for malignant mesothelioma under ICD-10.

<sup>5</sup>For underlying and nonunderlying cause of death, counts for pneumoconiosis subgroups may sum to slightly more than total pneumoconiosis due to the reporting of more than one type of pneumoconiosis on some death certificates.

NOTES: See Appendix I, National Vital Statistics System, Multiple Cause of Death File for information about tabulating cause of death data in this table. Selection of occupational diseases is based on definitions in Mullan RJ, Murthy LI. Occupational sentinel health events: An updated list for physician recognition and public health surveillance. *Am J Ind Med* 19:775–799, 1991. For more detailed information about pneumoconiosis deaths, see *Work-Related Lung Disease Surveillance Report 2002*, DHHS (NIOSH) Publication Number 2003–111 at [www.cdc.gov/niosh/docs/2003-111/2003-111.html](http://www.cdc.gov/niosh/docs/2003-111/2003-111.html). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; annual mortality files for underlying and multiple cause of death.