National [Jump to Index](#INDEX_1)

 Longitudinal

 Mortality

 Study

Public Use Microdata Sample (PUMS) File

Release 4 Documentation

###

### February 28, 2013

**Table of Contents**

Introduction [1](#Introduction)

Index to NLMS PUMS File Variables [3](#INDEX_1)

NLMS PUMS Variable Descriptions, Codes, and Frequencies [5](#VariablesSection)

Appendices [27](#APP_TOC)

1. [State Concatenated Codes](#APP_A)
2. [FIPSSTATE Codes](#APP_B)
3. [1990 Industrial Classification System](#APP_C)
4. [1990 Occupational Classification System](#APP_D)
5. [113 Causes of Death from ICD-10](#APP_E)

 **The National Longitudinal Mortality Study Public-use File**

**Variable Reference Manual, Version 4**

# **Introduction**

The National Longitudinal Mortality Study (NLMS) is a national, longitudinal, mortality study sponsored by the [National Heart, Lung, and Blood Institute](http://www.nhlbi.nih.gov/), the [National Cancer Institute](http://www.nci.nih.gov/), the [National Institute on Aging](http://www.nia.nih.gov/) (all part of the National Institutes of Health), and the [National Center for Health Statistics](http://www.cdc.gov/nchs/), and the [U.S. Census Bureau](http://www.census.gov/) for the purpose of studying the effects of differentials in demographic and socio-economic characteristics on mortality.

The NLMS ***Public Use Microdata Sample (PUMS)*** is a specialized extract of the full NLMS that is designed to provide easy access to an extract of the main NLMS while protecting the confidentiality of those who have responded to the original surveys on which the NLMS is based. This documentation describes the unique structure of the PUMS files and identifies variables selected from the NLMS to be part of the NLMS PUMS.

The main NLMS consists of a database developed for the purpose of studying the effects of demographic and socio-economic characteristics on differentials in U.S. mortality rates. The NLMS is a unique research database in that it is based on a random sample of the non-institutionalized population of the United States. It consists of U.S. Census Bureau data from Current Population Surveys (CPS) and a subset of the 1980 Census combined with death certificate information to identify mortality status and cause of death. The study currently has approximately 2.7 million records with over 341,000 identified mortality cases. The content of the socio-economic variables available offers researchers the potential to answer questions on mortality differentials for a variety of key socio-economic and demographic subgroups not covered as extensively in other databases. This project has generated over 70 publications in various prominent scholarly, scientific, and public health related journals.

The main NLMS currently consists of Annual Social and Economic Supplements which cover the period from March 1973 to March 2002; CPS for February 1978, April 1980, August 1980, December 1980, and September 1985; and one 1980 Census cohort—30 cohorts in all. Mortality information is obtained from death certificates available for deceased persons through the National Center for Health Statistics. Standard demographic and socio-economic variables like education, income, and employment, as well as information collected from death certificates including cause of death are available for analyses.

**Design and Content of the NLMS PUMS Files**

There are two file formats in the NLMS PUMS. **File 11** consists of a subset of the 30 CPS cohorts included in the full NLMS that can be followed prospectively for 11 years. The content of each record on the file includes demographic and socioeconomic variables from the CPS combined with a mortality outcome, if there is one. To prevent disclosure, all of the File 11 files have been concatenated into a single file, and the temporal dimension has been altered. In lieu of identifying the CPS year and starting point of mortality follow-up for each file, all of the records in File 11 have been assigned a common starting point, denoted as April 1, 1983. These records are then tracked forward for 11 years to observe whether anyone in the file has died.

For those who have died, the underlying cause of death and follow-up time until death have been provided. For those not deceased, the follow-up time provided is the full observation length, or 11 years. In the construction of File 11, it was assumed that these surveys, collected from throughout the early 1980s, would adequately reflect the U.S. non-institutionalized population on April 1, 1983. Under this assumption, the separate CPS samples have been combined and can be viewed as one large sample taken on that date. Original weights were re-calculated to reflect the size of the U.S. non-institutionalized population at that time.

The second PUMS format is actually two files, divided according to whether the original CPS surveys were taken in the early 1980s, **File 6a**, or taken in the early 1990s, **File 6b**. Both of these files have a maximum follow-up duration of six years. The weights on these two files were set to represent the size of the U.S. non-institutionalized population on April 1, 1983 for File 6a, and on April 1, 1993 for File 6b. Otherwise, they are identical to PUMS File 11.

This fourth release of the NLMS PUMS is an extension of the previous three releases. It includes additional records and variables, and provides two new six-year follow-up files; the files follow the same structure as the previous NLMS PUMS.

**The State of Residence Variable**

An important variable on this file is the state of residence at the time of survey. The inclusion of this variable in the file is permitted as long as the area represented by the intersection of the geographical variables on the file did not contain less than 100,000 persons of the U.S. population, a Census Bureau requirement that protects the confidentiality of CPS participants. In order to meet this requirement, the intersection of the three geographic variables on this public-use file—state of residence, urban/rural status, and SMSA status—was examined to identify areas of sparse population. For those areas not meeting the 100,000-population minimum requirement, the levels of urban/rural or SMSA status were adjusted in a manner to have the least misleading impact on the geographical definition. No change in the defined state of residence was made in this adjustment process.

### Index to NLMS Public-Use File Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ITEM NO. | DESCRIPTION | VARIABLE NAME | PAGE NO. | LOCATION | SIZE |
|  | **File and Survey Variables** |  |  |  |  |
| 1 | Record Number | [RECORD](#RecordNumber) | 5 | 1 | 7 |
| 2 | Adjusted Weight | [WT](#AdjustedWeight) | 5 | 21 | 4 |
| 3 | Household ID No. | [HHID](#HouseholdIdentification) | 5 | 25 | 7 |
| 4 | Presence of SSN | [SSNYN](#PresenceofSSN) | 6 | 62 | 1 |
|  | **Geography** |  |  |  |  |
| 5 | State Recode | [STATER](#StateRecode) | 7 | 68 | 2 |
| 6 | Urban/Rural Status | [URB](#UrbanRural) | 7 | 46 | 1 |
| 7 | SMSA Status | [SMSAST](#SMSAStatus) | 8 | 47 | 1 |
|  | **Age and Gender** |  |  |  |  |
| 8 | Age at Time of Interview | [AGE](#Age) | 9 | 8 | 2 |
| 9 | Sex | [SEX](#Sex) | 9 | 11 | 1 |
| 10 | Region of Birth | [POB](#PlaceofBirth) | 10 | 18 | 3 |
|  | **Race and Ethnicity** |  |  |  |  |
| 11 | Race  | [RACE](#Race) | 11 | 10 | 1 |
| 12 | Hispanic Origin | [HISP](#HispanicOrigin) | 11 | 13 | 1 |
|  | **Household and Relationship Characteristics** |  |  |  |  |
| 13 | Marital Status  | [MS](#MaritalStatus) | 12 | 12 | 1 |
| 14 | Relationship to Reference Person | [RELTRF](#RelationshiptoReferencePerson) | 12 | 34 | 1 |
| 15 | Number of People in HH | [HHNUM](#NumberinHousehold) | 13 | 32 | 2 |
| 16 | Housing Tenure | [TENURE](#HousingTenure) | 13 | 71 | 1 |
|  | **Other Demographics** |  |  |  |  |
| 17 | Highest Grade Completed | [EDUC](#HighestGrade) | 14 | 16 | 2 |
| 18 | Veteran Status | [VT](#VeteranStatus) | 15 | 63 | 1 |
|  | **Work Force Variables** |  |  |  |  |
| 19 | Employment Status Recode | [ESR](#EmploymentStatus) | 16 | 45 | 1 |
| 20 | 3 Digit Industry Code | [IND](#Industry) | 16 | 40 | 3 |
| 21 | Major Industry Code | [MAJIND](#MajorIndustry) | 17 | 43 | 2 |
| 22 | 3 Digit Occupation Code | [OCC](#Occupation) | 17 | 35 | 3 |
| 23 | Major Occupation Code | [MAJOCC](#MajorOccupation) | 18 | 38 | 2 |
| 24 | Recoded Class of Worker | [RCOW1](#RecodedClassWorker) | 18 | 70 | 1 |
| ITEM NO. | DESCRIPTION | VARIABLE NAME | PAGE NO. | LOCATION | SIZE |
|  | **Income and Poverty** |  |  |  |  |
| 25 | Inflation Adjusted Income | [ADJINC](#AdjustedIncome) | 19 | 14 | 2 |
| 26 | Income as Percent of Poverty Level | [POVPCT](#IncomePercentPovertyLevel) | 20 | 66 | 2 |
|  | **Health Insurance** |  |  |  |  |
| 27 | Health Insurance Status | [HISTATUS](#HealthInsuranceStatus) | 21 | 64 | 1 |
| 28 | Health Insurance Type | [HITYPE](#HealthInsuranceType) | 21 | 65 | 1 |
|  | **Death Certificate Information** |  |  |  |  |
| 29 | Death Indicator | [INDDEA](#DeathIndicator) | 22 | 48 | 1 |
| 30 | Cause of Death | [CAUSE113](#ThreeDigitCOD) | 22 | 49 | 3 |
| 31 | Length of Follow-up | [FOLLOW](#LengthofFollowup) | 23 | 52 | 4 |
| 32 | Time from Onset to Cause of Death | [INTERV](#IntervalOnset) | 23 | 59 | 1 |
| 33 | Day of Week of Death | [DAYOD](#DayofDeath) | 24 | 56 | 1 |
| 34 | Hour of Death | [HROD](#HourofDeath) | 24 | 57 | 1 |
| 35 | Coroner Certified | [CORODC](#CoronerCertified) | 25 | 58 | 1 |
| 36 | Hospital Type | [HOSP](#PlaceofDeath) | 25 | 60 | 1 |
| 37 | Hospital Death Indicator | [HOSPD](#HospitalDeathIndicator) | 26 | 61 | 1 |

**NLMS PUMS Variable Descriptions, Codes, and Frequencies**

**FILE AND SURVEY VARIABLES**

**1. Record Number** **RECORD**  [Return to Index](#INDEX_1)

**DESCRIPTION:** A sequential number for each record on the file.

#### FREQUENCIES

There are 1,222,344 records in the 11 years follow up, **File 11**.

There are 1,041,913 records on file from first 6 years of follow up, **File 6a**.

There are 526,373 records on file from the second 6 years of follow up, **File 6b**.

####

#### 2. Adjusted Weight WT

**DESCRIPTION**: This public use file consists of records from many separate CPS surveys. All records have been weighted to give population totals for the non-institutionalized population of the U.S. on April 1, 1983 for File 11 and File 6a, and April 1, 1993 for File 6b. Weights were obtained by ranking age-sex-race group totals by state totals for each survey. Survey weights were then readjusted to the target dates’ U.S. population, accounting for the different numbers of records by survey in this each of the three files.

#### 3. Household Identification Number HHID

**DESCRIPTION**: The household identification number is a unique 7-digit number assigned to every member of a household.

#### 4. Presence of SSN SSNYN [Return to Index](#INDEX_1)

**DESCRIPTION**: Indicator of the presence or absence of Social Security Number on the CPS record.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 0 | Not present on CPS | 328,745 | 328,745 | 135,105 |
| 1 | Present on CPS | 893,599 | 713,168 | 391,268 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

**GEOGRAPHY VARIABLES**

#### 5. State Recode STATER [Return to Index](#INDEX_1)

**DESCRIPTION**: The state of residence at the date of interview. First digit of STATER is the Census Bureau division code. The second digit is the state within the division code.

Codes are given in [Appendix A.](#APP_A)

#### 6. Urban/Rural Status URB

**DESCRIPTION:** Urban or rural status. The definition of urban and rural follows from the 1970, 1980, or 1990 Census as appropriate to the source file. In those three definitions, an urban area consists of all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in:

(1) places of 2,500 or more inhabitants incorporated or identifiable as cities, villages, boroughs and towns, but excluding those persons living in the rural portions of extended cities; and

(2) other territories, incorporated and unincorporated included in urbanized areas.

The population not classified as urban constitutes the rural population.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown | 13,229 | 13,229 | 0 |
| 1 | Urban | 816,998 | 691,153 | 377,736 |
| 2 | Rural | 392,117 | 337,531 | 148,637 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 7. SMSA Status SMSAST [Return to Index](#INDEX_1)

**DESCRIPTION**: Is a household located in an SMSA or not? The definition of SMSA is based on county boundaries included in the region defining the SMSA at the time of the 1970 or 1980 Census. A central city is defined as the city or cities associated with the name designation of the SMSA Codes.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown | 13,243 | 13,243 | 0 |
| 1 | SMSA, in central city | 318,094 | 269,709 | 148,791 |
| 2 | SMSA, not in central city | 446,281 | 369,791 | 229,967 |
| 3 | Not in an SMSA | 444,726 | 389,170 | 147,615 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

**AGE AND GENDER VARIABLES**

#### 8. Age at Time of Interview AGE [Return to Index](#INDEX_1)

**DESCRIPTION:** The age of the person at the time of the survey. If age was not available on the CPS record, then age was taken from CPS control file data. If age was not available from either of these sources but month and year of birth were available, then age was calculated using month and year of birth. Age is top coded at 90 years. The records of persons of unknown age are not included in this file.

**CODES**

Actual ages to 90 years old. All valid ages over 90 are coded as 90.

**9. Sex** **SEX**

**DESCRIPTION**: The code for gender is determined from CPS records as first priority and from the CPS control file as second priority. Persons for whom a gender could not be determined are not maintained on this file.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 1 | Male | 586,474 | 501,738 | 250313 |
| 2 | Female | 636,870 | 540,175 | 276,260 |
|  |   | 1,223,344 | 1,041,913 | 526,573 |

#### 10. Region of Birth POB [Return to Index](#INDEX_1)

**DESCRIPTION:** Place of birth is categorized into 11 different regions of birth, isolating Mexico and splitting Europe. For the U.S. born category, the FIPS state code is prefixed by “9” to create codes in the 900’s. The two-digit FIPS state codes are listed in [Appendix B](#APP_B). For example, the POB code 904 represents Arizona since the FIPS code for Arizona is 04.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 000 | Missing POB | 83,408 | 83,155 | 5,240 |
| 101 | Born on the African Continent | 1,033 | 751 | 821 |
| 102 | Born on the Asian Continent  | 12,845 | 9,556 | 10,829 |
| 103 | Born in a country in Eastern Europe | 3,424 | 2,683 | 2,552 |
| 104 | Born in a country in Western Europe | 13,589 | 10,898 | 7,454 |
| 105 | Born in North America (Not U.S. or Mexico) | 3,773 | 3,071 | 1,903 |
| 106 | Born in a country on South America Continent | 3,059 | 2,241 | 3,306 |
| 107 | Born in a country in Latin America | 8,482 | 6,141 | 8,856 |
| 108 | Born in Mexico | 9,991 | 7,125 | 12,743 |
| 109 | Born in a country not on a continent (identified as an island) | 430 | 343 | 237 |
| 110 | Born elsewhere but not in the U.S. | 0 | 0 | 555 |
| 111 | Born in a country not in the U.S., P.R., or outlying possession | 5,087 | 3,966 | 3,992 |
| 901-960 | Born in the U.S. | 1,077,223 | 911,983 | 467,885 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

**RACE AND ETHNICITY VARIABLES**

#### 11. Race RACE [Return to Index](#INDEX_1)

**DESCRIPTION:** An expanded version of race which separates the American Indian, etc. and Asian, etc. out of the Other category in early CPS files.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown or missing | 3,100 | 3,100 | 0 |
| 1 | White | 1,063,021 | 903,085 | 452,946 |
| 2 | Black | 120,122 | 105,826 | 48,589 |
| 3 | American Indian or Eskimo | 11,099 | 9,451 | 5,747 |
| 4 | Asian or Pacific Islander | 23,735 | 19,497 | 14,897 |
| 5 | Other nonwhite | 1,267 | 954 | 4,194 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

#### 12. Hispanic Origin HISP

**DESCRIPTION**: Hispanic origin classifies all persons by Mexican, Hispanic (not Mexican) or Non-Hispanic (Not Mexican or Hispanic) origin.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown, not available | 38,143 | 33,104 | 13,062 |
| 1 | Mexicans | 54,053 | 45,471 | 35,398 |
| 2 | Other Hispanics | 35,798 | 29,828 | 24,584 |
| 3 | Non-Hispanics | 1,094,350 | 933,510 | 453,329 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

**HOUSEHOLD AND RELATIONSHIP CHARACTERISTICS VARIABLES**

#### 13. Marital Status MS [Return to Index](#INDEX_1)

**DESCRIPTION:** Marital status at time of survey.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown, persons LT 15 years old | 230,659 | 230,328 | 69,420 |
| 1 | Married | 590,369 | 482,891 | 264,437 |
| 2 | Widowed | 70,802 | 58,186 | 31,401 |
| 3 | Divorced | 64,254 | 50,412 | 37,504 |
| 4 | Separated | 21,339 | 17,580 | 10,108 |
| 5 | Never married | 244,921 | 202,516 | 113,503 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

#### 14. Relationship to Reference Person RELTRF

**DESCRIPTION**: Relationship to reference person within the household.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Unknown | 4,904 | 4,748 | 192 |
| 1 | Ref person with other relatives in household | 353,430 | 287,849 | 163,138 |
| 2 | Ref person with no other relatives in household | 127,843 | 101,588 | 67,120 |
| 3 | Spouse of reference person | 287,703 | 235,481 | 127,732 |
| 4 | Child of reference person | 387,130 | 361,647 | 134,106 |
| 5 | Other relative of reference person | 31,738 | 26,923 | 15,738 |
| 6 | Non-relative of reference person | 29,596 | 23,677 | 18,347 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

#### 15. Number of People in Household HHNUM [Return to Index](#INDEX_1)

**DESCRIPTION**: The number of persons residing in the household at the time of the interview.

**NOTE**: For some households HHNUM is computed directly from within the source NLMS file. It is defined to be the number of records in this file having the same PSU, SEGMENT, and SERIAL NUMBER. For the remaining records, household size is taken directly from the original CPS record.

#### 16. Housing Tenure TENURE

**DESCRIPTION**: Variable defines the type of ownership of the residence. All members of the household receive the same values.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Missing information | 25,622 | 25,622 | 0 |
| 1 | Residence is owned by householder | 844,805 | 715,937 | 360,130 |
| 2 | Residence is rented by householder | 328,786 | 280,503 | 156,851 |
| 3 | Residence is rented for noncash rent by householder | 23,131 | 19,851 | 9,392 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

**OTHER DEMOGRAPHICS VARIABLES**

**17. Highest Grade Completed** **EDUC**  [Return to Index](#INDEX_1)

**DESCRIPTION**: Highest grade completed at the time of the interview. There are two different concepts the CPS has used to measure education: the years of school approach and the educational achievement approach. The first asked the highest grade level respondents had attended, and had a separate question that verified whether the respondent had actually completed that grade; the second concept enquired about educational achievement in terms of *degrees attained* such as a high school diploma, a B.A. or a Ph.D. CPS employed the years of school concept through 1991 and switched to the achievement concept starting with 1992. EDUC roughly translates the post-1991 attainment data into the equivalent years of school completed.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Missing, invalid (includes children LT 14 years old) | 219,236 | 219,236 | 69,829 |
| 1 | None, LT E1 | 7,706 | 5,231 | 3,915 |
| 2 | Completed E1, E2, E3, E4 | 16,706 | 14,359 | 5,681 |
| 3 | Completed E5, E6 | 24,651 | 21,186 | 9,342 |
| 4 | Completed E7, E8 | 96,910 | 84,903 | 26,782 |
| 5 | Completed H1 | 55,899 | 47,736 | 19,344 |
| 6 | Completed H2 | 65,480 | 55,688 | 23,448 |
| 7 | Completed H3 | 55,101 | 46,358 | 25,562 |
| 8 | Completed H4 | 364,433 | 296,662 | 157,269 |
| 9 | Completed C1 | 62,615 | 50,351 | 12,264 |
| 10 | Completed C2 | 72,684 | 57,694 | 14,990 |
| 11 | Completed C3 | 28,882 | 23,147 | 72,443 |
| 12 | Completed C4 | 90,607 | 71,227 | 55,115 |
| 13 | Completed C5 | 18,809 | 15,232 | 3,577 |
| 14 | Completed C6 | 42,625 | 32,903 | 26,812 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

#### 18. Veteran Status VT [Return to Index](#INDEX_1)

**DESCRIPTION**: Indicates whether person was U.S. veteran.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Missing | 253,707 | 249,386 | 80,215 |
| 0 | Not a veteran | 812,583 | 662,365 | 368,235 |
| 1 | Veteran | 156,054 | 130,162 | 59,923 |
|  |  | 1,222,344 | 1,041,913 | 508,373 |

**WORK FORCE VARIABLES**

#### 19. Employment Status Recode ESR [Return to Index](#INDEX_1)

**DESCRIPTION**: Recoded employment status.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Children LE 13, Armed Forces, missing  | 216,468 | 214,554 | 72,882 |
| 1 | In the labor force, employed | 555,369 | 449,156 | 267,025 |
| 2 | In the labor force, absent from work | 29,805 | 25,266 | 11,082 |
| 3 | In the labor force, unemployed, looking for work | 46,772 | 39,781 | 19,170 |
| 4 | Not in the labor force, disabled, unable to work | 14,678 | 11,787 | 11,330 |
| 5 | Not in the labor force, retired, other (housekeeping, student, etc.) | 359,302 | 301,369 | 144,884 |
|  |   | 1,222,394 | 1,041,913 | 526,373 |

#### 20. 3 Digit Industry Code IND

**DESCRIPTION**: Job specific industrial classification codes. Specific codes for industries are in [Appendix C](#APP_C), the 1990 Census of Population—Industrial Classification System.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 010-991 | Have an industry code  | 659,654 | 537,594 | 221,403 |
| … | Never worked, unknown, or LE 13 | 562,690 | 504,319 | 304,970 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

#### 21. Major Industry Code MAJIND [Return to Index](#INDEX_1)

**DESCRIPTION**: Major industry classification recode of 1990 specific industry.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| .. | Industry missing, not reported, unknown  |   | 562,690 | 504,319 | 221,403 |
| 1 | Agriculture, Forestry, and Fisheries  | (010-032) | 26,701 | 22,696 | 9,788 |
| 2 | Mining | (040-050) | 7,244 | 6,304 | 2,122 |
| 3 | Construction |  (060) | 42,559 | 34,904 | 18,948 |
| 4 | Manufacturing (Nondurable Goods) | (100-222) | 53,428 | 44,249 | 21,959 |
| 5 | Manufacturing (Durable Goods) | (230-392) | 75,717 | 63,011 | 29,547 |
| 6 | Transportation, Communications & Other Public Utilities | (400-472) | 44,827 | 36,627 | 20,394 |
| 7 | Wholesale Trade (durable goods) | (500-532) | 12,557 | 10,107 | 5,956 |
| 8 | Wholesale Trade (nondurable goods) | (540-571) | 12,745 | 10,586 | 5,414 |
| 9 | Retail Trade | (580-691) | 111,399 | 90,996 | 52,208 |
| 10 | Finance, Insurance and Real Estate | (700-712) | 38,279 | 30,391 | 19,222 |
| 11 | Business and Repair Services | (721-760) | 26,940 | 20,479 | 17,054 |
| 12 | Personal Services | (761-791) | 27,974 | 23,389 | 11,795 |
| 13 | Entertainment, Recreational Services | (800-810) | 8,046 | 6,572 | 4,545 |
| 14 | Professional and Related Services | (812-893) | 139,281 | 111,211 | 71,765 |
| 15 | Public Administration | (900-932) | 31,744 | 25,904 | 14,122 |
| 17 | Active Military Duty |  (991) | 213 | 168 | 131 |
|  |  |  | 1,222,344 | 1,041,913 | 526,373 |

#### 22. 3 Digit Occupation Code OCC

**DESCRIPTION**: Job specific 1990 occupational classification codes. Specific codes for occupations are given in [Appendix D](#APP_D), the 1990 Census of Population—Occupational Classification System.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 004-905 | Have occupational code | 659,875 | 537,909 | 304,876 |
| … | Unknown, no occupation or age LT 14 | 562,469 | 504,004 | 221,497 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 23. Major Occupation Code MAJOCC [Return to Index](#INDEX_1)

**DESCRIPTION**: Major occupation classification recode of 1990 specific occupational codes.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| .. | Unknown, missing, or age LT 14 |   | 562,469 | 504,004 | 221,497 |
| 1 | Executive, Administrative, Managerial | (003-037) | 69,309 | 54,476 | 37,786 |
| 2 | Professional Specialties | (043-199) | 78,753 | 62,505 | 41,464 |
| 3 | Technicians and Related Support | (203-235) | 17,921 | 14,142 | 9,469 |
| 4 | Sales | (243-285) | 72,033 | 57,873 | 36,001 |
| 5 | Administrative Support including Clerical | (303-389) | 104,302 | 85,105 | 46,727 |
| 6 | Private Household | (403-407) | 8,372 | 7,448 | 2,395 |
| 7 | Protective Services | (413-427) | 9,515 | 7,522 | 5,021 |
| 8 | Service Excluding Private and Protective | (433-469) | 77,812 | 63,852 | 36,437 |
| 9 | Farm Operators and Managers | (473-476) | 11,006 | 9,339 | 3,954 |
| 10 | Other Agricultural and Related | (477-499) | 16,909 | 14,640 | 5,706 |
| 11 | Mechanics and Repairers | (503-549) | 25,296 | 20,695 | 10,898 |
| 12 | Construction Trades | (553-599) | 27,103 | 22,019 | 12,588 |
| 13 | Extractive | (613-617) | 1,835 | 1,640 | 462 |
| 14 | Precision Production | (628-699) | 24,075 | 20,050 | 9,623 |
| 15 | Machine Operators, Assemblers and Inspectors | (703-799) | 55,461 | 46,712 | 20,777 |
| 16 | Transportation & Materials Moving | (803-859) | 28,297 | 23,192 | 12,567 |
| 17 | Handlers, Equipment Cleaners, Helpers and Laborers | (864-889) | 31,661 | 26,529 | 12,870 |
| 18 | Military Occupations |  (905) | 215 | 170 | 131 |
|  |  |  | 1,222,344 | 1,041,913 | 526,373 |

#### 24. Recoded Class of Worker RCOW1

**DESCRIPTION**: Detailed class of worker as derived from the type of work performed and the response to question 23E on the CPS questionnaire.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Not in universe, unknown, children LT 15 years old | 558,102 | 499,990 | 220,600 |
| 1 | Private industry | 476,629 | 388,307 | 222,404 |
| 2 | Government | 105,001 | 85,499 | 47,191 |
| 3 | Self-employed | 71,568 | 57,988 | 34,154 |
| 4 | Worked without pay | 5,550 | 5,097 | 838 |
| 5 | Never worked | 5,494 | 5,032 | 1,186 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

**INCOME AND POVERTY VARIABLES**

#### 25. Inflation Adjusted Income ADJINC [Return to Index](#INDEX_2)

**DESCRIPTION**: Family income inflated to 1990 dollars is assigned a category as indicated below. The determined category is then assigned to each member of the family. For CPS files with categorical values of income, the median value of the category of income is inflated by the corresponding CPI and then assigned to the appropriate category.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Income missing or unknown | 43,660 | 43,376 | 795 |
| 1 | $0 - $4,999 | 48,578 | 41,055 | 29,161 |
| 2 | $5,000 - $7,499 | 59,095 | 52,043 | 22,369 |
| 3 | $7,499 - $9,999 | 45,836 | 38,798 | 22,959 |
| 4 | $10,000 - $12,499 | 53,248 | 45,860 | 23,148 |
| 5 | $12,500 - $14,999 | 67,849 | 60,124 | 23,951 |
| 6 | $15,000 - $19,999 | 95,701 | 80,642 | 45,536 |
| 7 | $20,000 - $24,999 | 112,946 | 97,958 | 43,982 |
| 8 | $25,000 - $29,999 | 129,783 | 115,299 | 41,629 |
| 9 | $30,000 - $34,999 | 55,476 | 41,842 | 37,710 |
| 10 | $35,000 - $39,999 | 124,641 | 111,960 | 35,315 |
| 11 | $40,000 - $49,999 | 82,637 | 61,431 | 58,924 |
| 12 | $50,000 - $59,999 | 165,903 | 150,173 | 43,621 |
| 13 | $60,000 - $74,999 | 54,108 | 38,680 | 41,385 |
| 14 | GE $75,000  | 82,883 | 62,672 | 55,888 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 26. Income as Percent of Poverty Level POVPCT [Return to Index](#INDEX_2)

**DESCRIPTION**: This variable is defined by taking the family income, adjusted for inflation to 1990 dollars, and comparing it to the 1990 defined poverty level. Family size and number of children in the family determine the poverty threshold level. A categorical variable value is assigned according to the category of percent of poverty level as indicated below. All members of the family are assigned the same value of POVPCT.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 1 | LE 50% of the poverty level | 63,938 | 56,238 | 31,803 |
| 2 | GT 50% but LE 75% of the poverty level | 48,384 | 43,221 | 19,465 |
| 3 | GT 75% but LE 100% of the poverty level | 63,415 | 56,624 | 22,445 |
| 4 | GT 100% but LE 125% of the poverty level | 58,230 | 50,871 | 24,166 |
| 5 | GT 125% but LE 150% of the poverty level | 72,195 | 64,564 | 24,244 |
| 6 | GT 150% but LE 175% of the poverty level | 77,091 | 69,100 | 25,122 |
| 7 | GT 175% but LE 200% of the poverty level | 55,193 | 46,782 | 25,441 |
| 8 | GT 200% but LE 225% of the poverty level | 82,929 | 74,308 | 25,501 |
| 9 | GT 225% but LE 250% of the poverty level | 56,152 | 47,712 | 24,787 |
| 10 | GT 250% but LE 275% of the poverty level | 67,422 | 59,105 | 24,220 |
| 11 | GT 275% but LE 300% of the poverty level | 69,225 | 61,055 | 23,060 |
| 12 | GT 300% but LE 325% of the poverty level | 48,029 | 40,111 | 22,280 |
| 13 | GT 325% but LE 350% of the poverty level | 45,258 | 37,617 | 21,137 |
| 14 | GT 350% but LE 375% of the poverty level | 50,348 | 43,339 | 19,723 |
| 15 | GT 375% but LE 400% of the poverty level | 32,454 | 25,752 | 17,868 |
| 16 | GT 400% but LE 450% of the poverty level | 88,866 | 76,997 | 32,172 |
| 17 | GT 450% but LE 500% of the poverty level | 42,298 | 32,491 | 25,746 |
| 18 | GT 500% but LE 550% of the poverty level | 51,712 | 43,577 | 21,470 |
| 19 | GT 550% but LE 600% of the poverty level | 26,296 | 19,471 | 17,069 |
| 20 | GT 600% but LE 700% of the poverty level | 53,632 | 43,853 | 25,398 |
| 21 | GT 700% of the poverty level | 69,277 | 49,125 | 53,256 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

**HEALTH INSURANCE VARIABLES**

#### 27. Health Insurance Status HISTATUS [Return to Index](#INDEX_2)

**DESCRIPTION**: Indicates whether person had health insurance coverage any time in the calendar prior to the interview.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Not in universe | 578,150 | 578,150 | 0 |
| 0 | Person is not covered by an acceptable health insurance plan | 106,416 | 85,004 | 73,308 |
| 1 | Had insurance | 537,778 | 378,759 | 453,065 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

####

#### 28. Health Insurance Type HITYPE

**DESCRIPTION**: This variable summarizes, in broad categories, the type of health insurance coverage that the person had at any time in the previous calendar year.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Not in universe, missing | 578,150 | 578,150 | 0 |
| 0 | Person is not covered by an acceptable health insurance plan | 106,416 | 85,004 | 73,308 |
| 1 | Medicare | 85,128 | 55,289 | 75,694 |
| 2 | Medicaid | 19,242 | 12,792 | 34,280 |
| 3 | ChampUS, ChampVA, VA health care, military/Indian health care, other governmental health care | 9,830 | 6,920 | 7,908 |
| 4 | Employer (as provider/as dependent), group coverage through an employer | 376,275 | 271,659 | 293,165 |
| 5 | Private (as provider/as dependent), private coverage not through an employer | 47,303 | 32,099 | 42,018 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

**DEATH CERTIFICATE INFORMATION VARIABLES**

#### 29. Death Indicator INDDEA [Return to Index](#INDEX_2)

**DESCRIPTION**: An indicator variable identifying decedents in the file. Deaths occurred within an 11 year follow-up period after the CPS interview.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| 0 | Alive | 1,109,969 | 994,829 | 500,399 |
| 1 | Dead | 112,375 | 47,084 | 25,974 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 30. Cause of Death CAUSE113

**DESCRIPTION**: A recode of the underlying cause of death using the International Classification of Diseases 1992 (ICD-10) codes into 113 groups according to the causes as defined by codes developed by the National Center for Health Statistics. See [Appendix E.](#APP_E)

Cause of death 10 (Syphilis) and cause of death 15 (HIV) were combined into cause of death 17 (other and unspecified infectious diseases).

#### 31. Length of Follow-up FOLLOW [Return to Index](#INDEX_2)

DESCRIPTION: The length of follow-up period in days.

Persons who were alive at the end of the 11 year follow-up period are given a value of 4018, the maximum follow-up period considered. Persons who were alive at the end of the 6 year follow-up period are given a value of 2192, the maximum follow-up considered.

CODES

1-4018 Full days between start of follow-up and death or the full days between start of follow-up and end of follow-up for those alive at the end of 11 years of follow-up.

1-2192 Full days between start of follow-up and death or the full days between start of follow-up and end of follow-up for those alive at the end of 6 years of follow-up.

#### 32. Time from Onset to Cause of Death INTERV

**DESCRIPTION**: Identifies the interval of time between the immediate cause of death and the occurrence of death.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing, blank, or illegible on death certificate | 1,189,054 | 1,008,625 | 526,371 |
| 0 | Less than 1 hour, minutes, sudden | 12,086 | 12,085 | 1 |
| 1 | 1-23 hours or statement ‘hours’ | 3,607 | 3,607 | 0 |
| 2 | 1-6 days or statement ‘days’ | 4,861 | 4,861 | 0 |
| 3 | 7 or more days | 11,298 | 11,297 | 1 |
| 4 | Unable to determine | 1,438 | 1,438 | 0 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 33. Day of Week of Death DAYOD [Return to Index](#INDEX_2)

**DESCRIPTION**: The day of the week on which the decedent died.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing | 1,110,233 | 995,079 | 500,438 |
| 1 | Sunday | 15,863 | 6,733 | 3,633 |
| 2 | Monday | 16,177 | 6,781 | 3,723 |
| 3 | Tuesday | 15,859 | 6,589 | 3,684 |
| 4 | Wednesday | 15,919 | 6,557 | 3,752 |
| 5 | Thursday | 15,943 | 6,560 | 3,744 |
| 6 | Friday | 16,135 | 6,811 | 3,688 |
| 7 | Saturday | 16,215 | 6,803 | 3,711 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

#### 34. Hour of Death HROD

**DESCRIPTION**: The time of the day in which the decedent died.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing on death certificate | 1,163,279 | 982,857 | 526,364 |
| 1 | Hour of death: 12 AM – 5:59 AM | 10,198 | 10,198 | 0 |
| 2 | Hour of death: 6 AM – 1:59 AM | 13,140 | 13,139 | 1 |
| 3 | Hour of death: 12 PM – 5:59 PM | 12,762 | 12,761 | 1 |
| 4 | Hour of death: 6 PM – 11:59 PM | 12,396 | 12,395 | 1 |
| 5 | Other nonspecific time of death, including AM or PM, blank | 10,569 | 10,563 | 6 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

#### 35. Coroner Certified CORODC [Return to Index](#INDEX_2)

**DESCRIPTION**: An indicator variable identifying whether a death certificate was coroner certified or not.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing on death certificate | 1,163,279 | 982,857 | 526,364 |
| 1 | Not coroner certified | 46,625 | 46,616 | 9 |
| 2 | Coroner certified | 12,076 | 12,076 | 0 |
| 3 | Unable to determine | 364 | 364 | 0 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

####

#### 36. Hospital Type HOSP

**DESCRIPTION**: Describes the place of death.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing, blank, unknown, or illegible on death certificate | 1,111,081 | 995,279 | 500,667 |
| 1 | Entry on certificate includes hospital or medical center, or is a hospital clinic | 68,921 | 31,120 | 14,521 |
| 2 | Entry is a place other than a hospital or medical center, e.g. a nursing home, professional center, doctor's office, or clinic other than a hospital clinic | 15,868 | 4,885 | 4,047 |
| 3 | Entry includes the word "clinic" but does not indicate any connection to a hospital. | 33 | 20 | 0 |
| 4 | Entry is a street address (or home, or work, etc.) only. | 23,358 | 9,512 | 6,095 |
| 5 | Other entries that do not include the words "Hospital" or "Medical Center." | 2,956 | 1,032 | 1,043 |
| 6 | Hospice | 127 | 65 | 0 |
|  |  | 1,222,344 | 1,041,913 | 526,373 |

####

#### 37. Hospital Death Indicator HOSPD [Return to Index](#INDEX_2)

**DESCRIPTION**: Indicates the location of death relative to a hospital. Response is determined from the death certificate. Certain states do not have this item on their certificate. For these states a code of missing is assigned.

#### CODES AND FREQUENCIES

|  |  |  |  |
| --- | --- | --- | --- |
| **Codes** | **File 11** | **File 6a** | **File 6b** |
| . | Alive or missing, blank, unable to determine, or illegible on death certificate | 1,123,697 | 1,004,386 | 500,671 |
| 1 | DOA (a special box must be present and marked on death certificate) | 4,216 | 2,269 | 732 |
| 2 | Inpatient | 48,584 | 19,760 | 11,580 |
| 3 | Outpatient/Emergency | 7,545 | 2,607 | 2,205 |
| 4 | Other hospital visit | 25 | 19 | 0 |
| 5 | Not in hospital | 38,277 | 12,872 | 11,185 |
|  |   | 1,222,344 | 1,041,913 | 526,373 |

####

# **APPENDICES**

 [Return to Main TOC](#TOC)

1. [State Concatenated Codes](#APP_A)
2. [FIPSSTATE Codes](#APP_B)
3. [1990 Industrial Classification System](#APP_C)
4. [1990 Occupational Classification System](#APP_D)
5. [113 Causes of Death from ICD-10](#APP_E)

**Appendix A**

**STATE CONCATENATED CODES**

 [Return to Appendix TOC](#APP_TOC) [Return to Main TOC](#TOC) [Return to STATER](#StateRecode)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **New-England Division** |  | **Middle Atlantic Division** |  | **East North Central Division** |  |
|  |  |  |  |  |  |
| Maine | 11 | New York | 21 | Ohio | 31 |
| New Hampshire | 12 | New Jersey | 22 | Indiana | 32 |
| Vermont | 13 | Pennsylvania | 23 | Illinois  | 33 |
| Massachusetts | 14 |  |  | Michigan | 34 |
| Rhode Island  | 15 |  |  | Wisconsin | 35 |
| Connecticut  | 16 |  |  |  |  |
|  |  |  |  |  |  |
| **West North Central Division** |  | **South Atlantic Division** |  | **East South Central Division** |  |
|  |  |  |  |  |  |
| Minnesota | 41 | Delaware | 51 | Kentucky | 61 |
| Iowa | 42 | Maryland | 52 | Tennessee  | 62 |
| Missouri  | 43 | District of Columbia | 53 | Alabama | 63 |
| North Dakota  | 44 | Virginia | 54 | Mississippi | 64 |
| South Dakota | 45 | West Virginia  | 55 |  |  |
| Nebraska | 46 | North Carolina | 56 |  |  |
| Kansas | 47 | South Carolina | 57 |  |  |
|  |  | Georgia | 58 |  |  |
|  |  | Florida | 59 |  |  |
|  |  |  |  |  |  |
| **West South Central Division** |  | **Mountain Division** |  | **Pacific Division** |  |
|  |  |  |  |  |  |
| Arkansas | 71 | Montana  | 81 | Washington | 91 |
| Louisiana | 72 | Idaho  | 82 | Oregon | 92 |
| Oklahoma | 73 | Wyoming | 83 | California | 93 |
| Texas | 74 | Colorado | 84 | Alaska | 94 |
|  |  | New Mexico | 85 | Hawaii | 95 |
|  |  | Arizona | 86 |  |  |
|  |  | Utah | 87 |  |  |
|  |  | Nevada | 88 |  |  |

Appendix B

#### FIPSSTATE CODES

 [Return to Appendix TOC](#APP_TOC) [Return to Main TOC](#TOC) [Return](#PlaceofBirth) to POB

901 — Alabama

902 — Alaska

904 — Arizona

905 — Arkansas

906 — California

908 — Colorado

909 — Connecticut

910 — Delaware

911 — District of Columbia

912 — Florida

913 — Georgia

915 — Hawaii

916 — Idaho

917 — Illinois

918 — Indiana

919 — Iowa

920 — Kansas

921 — Kentucky

922 — Louisiana

923 — Maine

924 — Maryland

925 — Massachusetts

926 — Michigan

927 — Minnesota

928 — Mississippi

929 — Missouri

930 — Montana

931 — Nebraska

932 — Nevada

933 — New Hampshire

934 — New Jersey

935 — New Mexico

936 — New York

937 — North Carolina

938 — North Dakota

939 — Ohio

940 — Oklahoma

941 — Oregon

942 — Pennsylvania

944 — Rhode Island

945 — South Carolina

946 — South Dakota

947 — Tennessee

948 — Texas

949 — Utah

950 — Vermont

951 — Virginia

953 — Washington

954 — West Virginia

955 — Wisconsin

956 — Wyoming

**Appendix C**

**1990 INDUSTRIAL CLASSIFICATION SYSTEM**

 [Return to Appendix TOC](#APP_TOC) [Return to Main TOC](#TOC) [Return to IND](#Industry)

Numbers in parentheses following the industry categories are the 1987 SIC definitions. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

|  |  |
| --- | --- |
| **1990 Industry Code** | **Industry Category** |
|  | **AGRICULTURE** |
| 010 | Agricultural production, crops (01)  |
| 011 | Agricultural production, livestock (02)  |
| 012 | Veterinary services (074)  |
| 020 | Landscape and horticultural services (078)  |
| 030 | Agricultural services, n.e.c. (071, 072, 075, 076)  |
|  | **FORESTRY AND FISHERIES** |
| 031 | Forestry  |
| 032 | Fishing, hunting, and trapping (09)  |
|  | **MINING** |
| 040 | Metal mining (10)  |
| 041 | Coal mining (12)  |
| 042 | Oil and gas extraction (13)  |
| 050 | Nonmetallic mining and quarrying, except fuel (14)  |
|  |  |
| **060** | **CONSTRUCTION (15, 16, 17)**  |
|  |  |
|  | **MANUFACTURING** |
|  | **Nondurable Goods** |
| 100 | Meat products (201)  |
| 101 | Dairy products (202)  |
| 102 | Canned, frozen and preserved fruits and vegetables (203)  |
| 110 | Grain mill products (204)  |
| 111 | Bakery products (205)  |
| 112 | Sugar and confectionery products (206)  |
| 120 | Beverage industries (208)  |
| 121 | Miscellaneous food preparations and kindred products (207, 209)  |
| 122 | Not specified food industries  |
| 130 | Tobacco manufactures (21)  |
| 132 | Knitting mills (225)  |
| 140 | Dyeing and finishing textiles, except wool and knit goods (226)  |
| 141 | Carpets and rugs (227)  |
| 142 | Yarn, thread, and fabric mills (221-224, 228)  |
| **1990 Industry Code** | **Industry Category** |
|  | **MANUFACTURING, Nondurable Goods, cont.** |
| 150 | Miscellaneous textile mill products (229)  |
| 151 | Apparel and accessories, except knit (231-238)  |
| 152 | Miscellaneous fabricated textile products (239)  |
| 160 | Pulp, paper, and paperboard mills (261-263)  |
| 161 | Miscellaneous paper and pulp products (267)  |
| 162 | Paperboard containers and boxes (265)  |
| 171 | Newspaper publishing and printing (271)  |
| 172 | Printing, publishing, and allied industries, except newspapers (272-279)  |
| 180 | Plastics, synthetics, and resins (282)  |
| 181 | Drugs (283)  |
| 182 | Soaps and cosmetics (284)  |
| 190 | Paints, varnishes, and related products (285)  |
| 191 | Agricultural chemicals (287)  |
| 192 | Industrial and miscellaneous chemicals (281,286, 289)  |
| 200 | Petroleum refining (291)  |
| 201 | Miscellaneous petroleum and coal products (295, 299)  |
| 210 | Tires and inner tubes (301)  |
| 211 | Other rubber products, and plastics footwear and belting (302-306)  |
| 212 | Miscellaneous plastics products (308)  |
| 220 | Leather tanning and finishing (311)  |
| 221 | Footwear, except rubber and plastic (313, 314)  |
| 222 | Leather products, except footwear (315-317, 319)  |
|  | **Durable Goods** |
| 230 | Logging (241)  |
| 231 | Sawmills, planing mills, and millwork (242, 243)  |
| 232 | Wood buildings and mobile homes (245)  |
| 241 | Miscellaneous wood products (244, 249)  |
| 242 | Furniture and fixtures (25)  |
| 250 | Glass and glass products (321-323)  |
| 251 | Cement, concrete, gypsum, and plaster products (324, 327)  |
| 252 | Structural clay products (325)  |
| 261 | Pottery and related products (326)  |
| 262 | Miscellaneous nonmetallic mineral and stone products (328, 329)  |
| 270 | Blast furnaces, steelworks, rolling and finishing mills (331)  |
| 271 | Iron and steel foundries (332)  |
| 272 | Primary aluminum industries (3334, part 334, 3353-3355, 3363, 3365)  |
| 280 | Other primary metal industries (3331, 3339, part 334, 3351, 3356, 3357, 3364, 3366, 3369, 339) |
| 281 | Cutlery, handtools, and general hardware (342)  |
| 282 | Fabricated structural metal products (344)  |
| **1990 Industry Code** | **Industry Category** |
|  | **MANUFACTURING, Durable Goods, cont.** |
| 290 | Screw machine products (345)  |
| 291 | Metal forgings and stampings (346)  |
| 292 | Ordnance (348)  |
| 300 | Miscellaneous fabricated metal products (341, 343, 347, 349)  |
| 301 | Not specified metal industries  |
| 310 | Engines and turbines (351)  |
| 311 | Farm machinery and equipment (352)  |
| 312 | Construction and material handling machines (353)  |
| 320 | Metalworking machinery (354)  |
| 321 | Office and accounting machines (3578, 3579)  |
| 322 | Computers and related equipment (3571-3577)  |
| 331 | Machinery, except electrical, n.e.c. (355, 356, 358, 359)  |
| 332 | Not specified machinery  |
| 340 | Household appliances (363)  |
| 341 | Radio, TV, and communication equipment (365, 366)  |
| 342 | Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)  |
| 350 | Not specified electrical machinery, equipment, and supplies  |
| 351 | Motor vehicles and motor vehicle equipment (371)  |
| 352 | Aircraft and parts (372)  |
| 360 | Ship and boat building and repairing (373)  |
| 361 | Railroad locomotives and equipment (374)  |
| 362 | Guided missiles, space vehicles, and parts (376)  |
| 370 | Cycles and miscellaneous transportation equipment (375, 379)  |
| 371 | Scientific and controlling instruments (381, 382 except 3827)  |
| 372 | Medical, dental, and optical instruments and supplies (3827, 384, 385)  |
| 380 | Photographic equipment and supplies (386)  |
| 381 | Watches, clocks, and clockwork operated devices (387)  |
| 382 | Not specified professional equipment (manufacturing) |
| 390 | Toys, amusement, and sporting goods (394)  |
| 391 | Miscellaneous manufacturing industries (39 except 394)  |
| 392 | Not specified manufacturing industries  |
|  | **TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES** |
| 400 | Railroads (40)  |
| 401 | Bus service and urban transit (41, except 412)  |
| 402 | Taxicab service (412)  |
| 410 | Trucking service (421, 423)  |
| 411 | Warehousing and storage (422)  |
| 412 | US Postal Service (43)  |
| 420 | Water transportation (44)  |
| **1990 Industry Code** | **Industry Category** |
|  | **TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES, cont.** |
| 421 | Air transportation (45)  |
| 422 | Pipe lines, except natural gas (46)  |
| 432 | Services incidental to transportation (47)  |
| 440 | Radio and television broadcasting and cable (483, 484)  |
| 441 | Telephone communications (481)  |
| 442 | Telegraph and miscellaneous communications services (482, 489)  |
| 450 | Electric light and power (491)  |
| 451 | Gas and steam supply systems (492, 496)  |
| 452 | Electric and gas, and other combinations (493)  |
| 470 | Water supply and irrigation (494, 497)  |
| 471 | Sanitary services (495)  |
| 472 | Not specified utilities  |
|  | **WHOLESALE TRADE** |
|  | **Durable Goods** |
| 500 | Motor vehicles and equipment (501)  |
| 501 | Furniture and home furnishings (502)  |
| 502 | Lumber and construction materials (503)  |
| 510 | Professional and commercial equipment and supplies (504)  |
| 511 | Metals and minerals, except petroleum (505)  |
| 512 | Electrical goods (506)  |
| 521 | Hardware, plumbing and heating supplies (507)  |
| 522 | Not specified electrical and hardware (wholesale trade) |
| 530 | Machinery, equipment, and supplies (508)  |
| 531 | Scrap and waste materials (5093)  |
| 532 | Miscellaneous wholesale, durable goods (509 except 5093)  |
|  | **Nondurable Goods** |
| 540 | Paper and paper products (511)  |
| 541 | Drugs, chemicals and allied products (512, 516)  |
| 542 | Apparel, fabrics, and notions (513)  |
| 550 | Groceries and related products (514)  |
| 551 | Farm-product raw materials (515)  |
| 552 | Petroleum products (517)  |
| 560 | Alcoholic beverages (518)  |
| 561 | Farm supplies (5191)  |
| 562 | Miscellaneous wholesale, nondurable goods (5192-5199)  |
| 571 | Not specified wholesale trade  |
|  | **RETAIL TRADE** |
| 580 | Lumber and building material retailing (521, 523)  |
| 581 | Hardware stores (525)  |
| **1990 Industry Code** | **Industry Category** |
|  | **RETAIL TRADE, cont.** |
| 582 | Retail nurseries and garden stores (526)  |
| 590 | Mobile home dealers (527)  |
| 591 | Department stores (531)  |
| 592 | Variety stores (533)  |
| 600 | Miscellaneous general merchandise stores (539)  |
| 601 | Grocery stores (541)  |
| 602 | Dairy products stores (545)  |
| 610 | Retail bakeries (546)  |
| 611 | Food stores, n.e.c. (542, 543, 544, 549)  |
| 612 | Motor vehicle dealers (551, 552)  |
| 620 | Auto and home supply stores (553)  |
| 621 | Gasoline service stations (554)  |
| 622 | Miscellaneous vehicle dealers (555, 556, 557, 559)  |
| 623 | Apparel and accessory stores, except shoe (56, except 566)  |
| 630 | Shoe stores (566)  |
| 631 | Furniture and home furnishings stores (571)  |
| 632 | Household appliance stores (572)  |
| 633 | Radio, TV, and computer stores (5731, 5734)  |
| 640 | Music stores (5735, 5736)  |
| 641 | Eating and drinking places (58)  |
| 642 | Drug stores (591)  |
| 650 | Liquor stores (592)  |
| 651 | Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)  |
| 652 | Book and stationery stores (5942, 5943)  |
| 660 | Jewelry stores (5944)  |
| 661 | Gift, novelty, and souvenir shops (5947)  |
| 662 | Sewing, needlework and piece goods stores (5949)  |
| 663 | Catalog and mail order houses (5961)  |
| 670 | Vending machine operators (5962)  |
| 671 | Direct selling establishments (5963)  |
| 672 | Fuel dealers (598)  |
| 681 | Retail florists (5992)  |
| 682 | Miscellaneous retail stores (593, 5948, 5993-5995, 5999)  |
| 691 | Not specified retail trade  |
|  | **FINANCE, INSURANCE, AND REAL ESTATE** |
| 700 | Banking (60 except 603 and 606)  |
| 701 | Savings institutions, including credit unions (603, 606)  |
| 702 | Credit agencies, n.e.c. (61)  |
| 710 | Security, commodity brokerage, and investment companies (62, 67)  |
| **1990 Industry Code** | **Industry Category** |
|  | **FINANCE, INSURANCE, AND REAL ESTATE, cont.** |
| 711 | Insurance (63, 64)  |
| 712 | Real estate, including real estate-insurance offices (65)  |
|  | **BUSINESS AND REPAIR SERVICES** |
| 721 | Advertising (731)  |
| 722 | Services to dwellings and other buildings (734)  |
| 731 | Personnel supply services (736)  |
| 732 | Computer and data processing services (737)  |
| 740 | Detective and protective services (7381, 7382)  |
| 741 | Business services, n.e.c. (732, 733, 735, 7383-7389)  |
| 742 | Automotive rental and leasing, without drivers (751)  |
| 750 | Automotive parking and carwashes (752, 7542)  |
| 751 | Automotive repair and related services (753, 7549)  |
| 752 | Electrical repair shops (762, 7694)  |
| 760 | Miscellaneous repair services (763, 764, 7692, 7699)  |
|  | **PERSONAL SERVICES** |
| 761 | Private Households (88)  |
| 762 | Hotels and motels (701)  |
| 770 | Lodging places, except hotels and motels (702, 703, 704)  |
| 771 | Laundry, cleaning, and garment services (721 except part 7219)  |
| 772 | Beauty shops (723)  |
| 780 | Barber shops (724)  |
| 781 | Funeral service and crematories (726)  |
| 782 | Shoe repair shops (725)  |
| 790 | Dressmaking shops (part 7219)  |
| 791 | Miscellaneous personal services (722, 729)  |
|  | **ENTERTAINMENT AND RECREATION SERVICES** |
| 800 | Theaters and motion pictures (781-783, 792)  |
| 801 | Video tape rental (784)  |
| 802 | Bowling centers (793)  |
| 810 | Miscellaneous entertainment and recreation services (791, 794, 799)  |
|  | **PROFESSIONAL AND RELATED SERVICES** |
| 812 | Offices and clinics of physicians (801, 803)  |
| 820 | Offices and clinics of dentists (802)  |
| 821 | Offices and clinics of chiropractors (8041)  |
| 822 | Offices and clinics of optometrists (8042)  |
| 830 | Offices and clinics of health practitioners, n.e.c. (8043, 8049)  |
| 831 | HOSPITALS (806)  |
| 832 | Nursing and personal care facilities (805)  |
| 840 | Health services, n.e.c. (807, 808, 809)  |
| **1990 Industry Code** | **Industry Category** |
|  | **PROFESSIONAL AND RELATED SERVICES, cont.** |
| 841 | Legal services (81)  |
| 842 | Elementary and secondary schools (821)  |
| 850 | Colleges and universities (822)  |
| 851 | Vocational schools (824)  |
| 852 | Libraries (823)  |
| 860 | Educational services, n.e.c. (829)  |
| 861 | Job training and vocational rehabilitation services (833)  |
| 862 | Child day care services (part 835)  |
| 863 | Family child care homes (part 835)  |
| 870 | Residential care facilities, without nursing (836)  |
| 871 | Social services, n.e.c. (832, 839)  |
| 872 | Museums, art galleries, and zoos (84)  |
| 873 | Labor unions (863)  |
| 880 | Religious organizations (866)  |
| 881 | Membership organizations, n.e.c. (861, 862, 864, 865, 869)  |
| 882 | Engineering, architectural, and surveying services (871)  |
| 890 | Accounting, auditing, and bookkeeping services (872)  |
| 891 | Research, development, and testing services (873)  |
| 892 | Management and public relations services (874)  |
| 893 | Miscellaneous professional and related services (899)  |
|  | **PUBLIC ADMINISTRATION** |
| 900 | Executive and legislative offices (911-913)  |
| 901 | General government, n.e.c. (919)  |
| 910 | Justice, public order, and safety (92)  |
| 921 | Public finance, taxation, and monetary policy (93)  |
| 922 | Administration of human resources programs (94)  |
| 930 | Administration of environmental quality and housing programs (95)  |
| 931 | Administration of economic programs (96)  |
| 932 | National security and international affairs (97)  |
|  | **ACTIVE DUTY MILITARY** |
| 991 | Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces  |

**Appendix D**

**1990 OCCUPATIONAL CLASSIFICATION SYSTEM**

 [Return to Appendix TOC](#APP_TOC) [Return to Main TOC](#TOC) [Return to OCC](#Occupation)

Numbers in parentheses following the occupation categories are the 1980 Standard Occupational Classification code equivalents. The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

|  |  |
| --- | --- |
| **1990 Occupation Code** | **Occupation Category** |
|  | **MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS** |
|  | **EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS** |
| 003 | Legislators (111) |
| 004 | Chief executives and general administrators, public administration (112) |
| 005 | Administrators and officials, public administration (1132-1139) |
| 006 | Administrators, protective services (1131) |
| 007 | Financial managers (122) |
| 008 | Personnel and labor relations managers (123) |
| 009 | Purchasing managers (124) |
| 013 | Managers, marketing, advertising, and public relations (125) |
| 014 | Administrators, education and related fields (128) |
| 015 | Managers, medicine and health (131) |
| 016 | Postmasters and mail superintendents (1344) |
| 017 | Managers, food serving and lodging establishments (1351) |
| 018 | Managers, properties and real estate (1353) |
| 019 | Funeral directors (part 1359) |
| 021 | Managers, service organizations, n.e.c. (127, 1352, 1354, part 1359) |
| 022 | Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139) |
|  | **Management Related Occupations** |
| 023 | Accountants and auditors (1412) |
| 024 | Underwriters (1414) |
| 025 | Other financial officers (1415, 1419) |
| 026 | Management analysts (142) |
| 027 | Personnel, training, and labor relations specialists (143) |
| 029 | Purchasing agents and buyers, farm products (1443) |
| 029 | Buyers, wholesale and retail trade except farm products (1442) |
| 033 | Purchasing agents and buyers, n.e.c. (1449) |
| 034 | Business and promotion agents (145) |
| 035 | Construction inspectors (1472) |
| 036 | Inspectors and compliance officers, except construction (1473) |
| 037 | Management related occupations, n.e.c. (149) |
|  |  |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PROFESSIONAL SPECIALTY OCCUPATIONS** |
|  | **Engineers, Architects, and Surveyors** |
| 043 | Architects (161) |
|  | **Engineers** |
| 044 | Aerospace (1622) |
| 045 | Metallurgical and materials (1623) |
| 046 | Mining (1624) |
| 047 | Petroleum (1625) |
| 048 | Chemical (1626) |
| 049 | Nuclear (1627) |
| 053 | Civil (1628) |
| 054 | Agricultural (1632) |
| 055 | Electrical and electronic (1633, 1636) |
| 056 | Industrial (1634) |
| 057 | Mechanical (1635) |
| 058 | Marine and naval architects (1637) |
| 059 | Engineers, n.e.c. (1639) |
| 063 | Surveyors and mapping scientists (164) |
|  | **Mathematical and Computer Scientists** |
| 064 | Computer systems analysts and scientists (171) |
| 065 | Operations and systems researchers and analysts (172) |
| 066 | Actuaries (1732) |
| 067 | Statisticians (1733) |
| 068 | Mathematical scientists, n.e.c. (1739) |
|  | **Natural Scientists** |
| 069 | Physicists and astronomers (1842, 1843) |
| 073 | Chemists, except biochemists (1845) |
| 074 | Atmospheric and space scientists (1846) |
| 075 | Geologists and geodesists (1847) |
| 076 | Physical scientists, n.e.c. (1849) |
| 077 | Agricultural and food scientists (1853) |
| 078 | Biological and life scientists (1854) |
| 079 | Forestry and conservation scientists (1852) |
| 083 | Medical scientists (1855) |
|  | **Health Diagnosing Occupations** |
| 084 | Physicians (261) |
| 085 | Dentists (262) |
| 086 | Veterinarians (27) |
| 087 | Optometrists (281) |
| 088 | Podiatrists (283) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PROFESSIONAL SPECIALTY OCCUPATIONS, Health Diagnosing Occupations, cont.** |
| 089 | Health diagnosing practitioners, n.e.c. (289) |
|  | **Health Assessment and Treating Occupations** |
| 095 | Registered nurses (29) |
| 096 | Pharmacists (301) |
| 097 | Dietitians (302) |
|  | **Therapists** |
| 098 | Respiratory therapists (3031) |
| 099 | Occupational therapists (3032) |
| 103 | Physical therapists (3033) |
| 104 | Speech therapists (3034) |
| 105 | Therapists, n.e.c. (3039) |
| 106 | Physicians' assistants (304) |
|  | **Teachers, Postsecondary** |
| 113 | Earth, environmental, and marine science teachers (2212) |
| 114 | Biological science teachers (2213) |
| 115 | Chemistry teachers (2214) |
| 116 | Physics teachers (2215) |
| 117 | Natural science teachers, n.e.c. (2216) |
| 118 | Psychology teachers (2217) |
| 119 | Economics teachers (2218) |
| 123 | History teachers (2222) |
| 124 | Political science teachers (2223) |
| 125 | Sociology teachers (2224) |
| 126 | Social science teachers, n.e.c. (2225) |
| 127 | Engineering teachers (2226) |
| 128 | Mathematical science teachers (2227) |
| 129 | Computer science teachers (2228) |
| 133 | Medical science teachers (2231) |
| 134 | Health specialties teachers (2232) |
| 135 | Business, commerce, and marketing teachers (2233) |
| 136 | Agriculture and forestry teachers (2234) |
| 137 | Art, drama, and music teachers (2235) |
| 138 | Physical education teachers (2236) |
| 139 | Education teachers (2237) |
| 143 | English teachers (2238) |
| 144 | Foreign language teachers (2242) |
| 145 | Law teachers (2243) |
| 146 | Social work teachers (2244) |
| 147 | Theology teachers (2245) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PROFESSIONAL SPECIALTY OCCUPATIONS, Teachers, Postsecondary, cont.** |
| 148 | Trade and industrial teachers (2246) |
| 149 | Home economics teachers (2247) |
| 153 | Teachers, postsecondary, n.e.c. (2249) |
| 154 | Postsecondary teachers, subject not specified |
|  | **Teachers, Except Postsecondary** |
| 155 | Teachers, prekindergarten and kindergarten (231) |
| 156 | Teachers, elementary school (232) |
| 157 | Teachers, secondary school (233) |
| 158 | Teachers, special education (235) |
| 159 | Teachers, n.e.c. (236, 239) |
| 163 | Counselors, Educational and Vocational (24) |
|  | **Librarians, Archivists, and Curators**  |
| 164 | Librarians (251) |
| 165 | Archivists and curators (252) |
|  | **Social Scientists and Urban Planners** |
| 166 | Economists (1912) |
| 167 | Psychologists (1915) |
| 168 | Sociologists (1916) |
| 169 | Social scientists, n.e.c. (1913, 1914, 1919) |
| 173 | **Urban planners (192)** |
|  | **Social, Recreation, and Religious Workers** |
| 174 | Social workers (2032) |
| 175 | Recreation workers (2033) |
| 176 | Clergy (2042) |
| 177 | Religious workers, n.e.c. (2049) |
|  | **Lawyers and Judges (211-212)** |
| 178 | Lawyers (211) |
| 179 | Judges |
|  | **Writers, Artists, Entertainers, and Athletes** |
| 183 | Authors (321) |
| 184 | Technical writers (398) |
| 185 | Designers (322) |
| 186 | Musicians and composers (323) |
| 187 | Actors and directors (324) |
| 188 | Painters, sculptors, craft-artists, and artist printmakers (325) |
| 189 | Photographers (326) |
| 193 | Dancers (327) |
| 194 | Artists, performers, and related workers, n.e.c. (328, 329) |
| 195 | Editors and reporters (331) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PROFESSIONAL SPECIALTY OCCUPATIONS, Writers, Artists, Entertainers, and Athletes, cont.** |
| 197 | Public relations specialists (332) |
| 198 | Announcers (333) |
| 199 | Athletes (34) |
|  | **TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS**  |
|  | **TECHNICIANS AND RELATED SUPPORT OCCUPATIONS** |
|  | **Health Technologists and Technicians** |
| 203 | Clinical laboratory technologists and technicians (362) |
| 204 | Dental hygienists (363) |
| 205 | Health record technologists and technicians (364) |
| 206 | Radiologic technicians (365) |
| 207 | Licensed practical nurses (366) |
| 208 | Health technologists and technicians, n.e.c. (369) |
|  | **Technologists and Technicians, Except Health** |
|  | **Engineering and Related Technologists and Technicians** |
| 213 | Electrical and electronic technicians (3711) |
| 214 | Industrial engineering technicians (3712) |
| 215 | Mechanical engineering technicians (3713) |
| 216 | Engineering technicians, n.e.c. (3719) |
| 217 | Drafting occupations (372) |
| 218 | Surveying and mapping technicians (373) |
|  | **Science Technicians** |
| 223 | Biological technicians (382) |
| 224 | Chemical technicians (3831) |
| 225 | Science technicians, n.e.c. (3832, 3833, 384, 389) |
|  | **Technicians, Except Health, Engineering, and Science** |
| 226 | Airplane pilots and navigators (825) |
| 227 | Air traffic controllers (392) |
| 228 | Broadcast equipment operators (393) |
| 229 | Computer programmers (3971, 3972) |
| 233 | Tool programmers, numerical control (3974) |
| 234 | Legal assistants (396) |
| 235 | Technicians, n.e.c. (399) |
|  | **SALES OCCUPATIONS** |
| 243 | **Supervisors and Proprietors, Sales Occupations (40)** |
|  | **Sales Representatives, Finance and Business Services** |
| 253 | Insurance sales occupations (4122) |
| 254 | Real estate sales occupations (4123) |
| 255 | Securities and financial services sales occupations (4124) |
| 256 | Advertising and related sales occupations (4153) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **SALES OCCUPATIONS, Sales Representatives, Finance and Business Services, cont.** |
| 257 | Sales occupations, other business services (4152) |
|  | **Sales Representatives, Commodities, Except Retail** |
| 258 | Sales engineers (421) |
| 259 | Sales representatives, mining, manufacturing, and wholesale (423, 424) |
|  | **Sales Workers, Retail and Personal Services** |
| 263 | Sales workers, motor vehicles and boats (4342, 4344) |
| 264 | Sales workers, apparel (4346) |
| 265 | Sales workers, shoes (4351) |
| 266 | Sales workers, furniture and home furnishings (4348) |
| 267 | Sales workers, radio, TV, hi-fi, and appliances (4343, 4352) |
| 268 | Sales workers, hardware and building supplies (4353) |
| 269 | Sales workers, parts (4367) |
| 274 | Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369) |
| 275 | Sales counter clerks (4363) |
| 276 | Cashiers (4364) |
| 277 | Street and door-to-door sales workers (4366) |
| 278 | News vendors (4365) |
|  | **Sales Related Occupations** |
| 283 | Demonstrators, promoters and models, sales (445) |
| 284 | Auctioneers (447) |
| 285 | Sales support occupations, n.e.c. (444, 446, 449) |
|  | **ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL** |
|  | **Supervisors, Administrative Support Occupations** |
| 303 | Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529) |
| 304 | Supervisors, computer equipment operators (4512) |
| 305 | Supervisors, financial records processing (4521) |
| 306 | Chief communications operators (4523) |
| 307 | Supervisors, distribution, scheduling, and adjusting clerks (4522, 4524-4528) |
|  | **Computer Equipment Operators** |
| 308 | Computer operators (4612) |
| 309 | Peripheral equipment operators (4613) |
|  | **Secretaries, Stenographers, and Typists** |
| 313 | Secretaries (4622) |
| 314 | Stenographers (4623) |
| 315 | Typists (4624) |
|  | **Information Clerks** |
| 316 | Interviewers (4642) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL, Information Clerks, cont.** |
| 318 | Transportation ticket and reservation agents (4644) |
| 319 | Receptionists (4645) |
| 323 | Information clerks, n.e.c. (4649) |
|  | **Records Processing Occupations, Except Financial** |
| 325 | Classified-ad clerks (4662) |
| 326 | Correspondence clerks (4663) |
| 327 | Order clerks (4664) |
| 328 | Personnel clerks, except payroll and timekeeping (4692) |
| 329 | Library clerks (4694) |
| 335 | File clerks (4696) |
| 336 | Records clerks (4699) |
|  | **Financial Records Processing Occupations** |
| 337 | Bookkeepers, accounting, and auditing clerks (4712) |
| 338 | Payroll and timekeeping clerks (4713) |
| 339 | Billing clerks (4715) |
| 343 | Cost and rate clerks (4716) |
| 344 | Billing, posting, and calculating machine operators (4718) |
|  | **Duplicating, Mail and Other Office Machine Operators** |
| 345 | Duplicating machine operators (4722) |
| 346 | Mail preparing and paper handling machine operators (4723) |
| 347 | Office machine operators, n.e.c. (4729) |
|  | **Communications Equipment Operators** |
| 348 | Telephone operators (4732) |
| 353 | Communications equipment operators, n.e.c. (4733, 4739) |
|  | **Mail and Message Distributing Occupations** |
| 354 | Postal clerks, except mail carriers (4742) |
| 355 | Mail carriers, postal service (4743) |
| 356 | Mail clerks, except postal service (4744) |
| 357 | Messengers (4745) |
|  | **Material Recording, Scheduling, and Distributing Clerks** |
| 359 | Dispatchers (4751) |
| 363 | Production coordinators (4752) |
| 364 | Traffic, shipping, and receiving clerks (4753) |
| 365 | Stock and inventory clerks (4754) |
| 366 | Meter readers (4755) |
| 368 | Weighers, measurers, checkers, and samplers (4756, 4757) |
| 373 | Expediters (4758) |
| 374 | Material recording, scheduling, and distributing clerks, n.e.c. (4759) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL, cont.** |
|  | **Adjusters and Investigators** |
| 375 | Insurance adjusters, examiners, and investigators (4782) |
| 376 | Investigators and adjusters, except insurance (4783) |
| 377 | Eligibility clerks, social welfare (4784) |
| 378 | Bill and account collectors (4786) |
|  | **Miscellaneous Administrative Support Occupations** |
| 379 | General office clerks (463) |
| 383 | Bank tellers (4791) |
| 384 | Proofreaders (4792) |
| 385 | Data-entry keyers (4793) |
| 386 | Statistical clerks (4794) |
| 387 | Teachers' aides (4795) |
| 389 | Administrative support occupations, n.e.c. (4787, 4799) |
|  | **SERVICE OCCUPATIONS** |
|  | **PRIVATE HOUSEHOLD OCCUPATIONS** |
| 403 | Launderers and ironers (503) |
| 404 | Cooks, private household (504) |
| 405 | Housekeepers and butlers (505) |
| 406 | Child care workers, private household (506) |
| 407 | Private household cleaners and servants (502, 507, 509) |
|  | **PROTECTIVE SERVICE OCCUPATIONS** |
|  | **Supervisors, Protective Service Occupations** |
| 413 | Supervisors, firefighting and fire prevention occupations (5111) |
| 414 | Supervisors, police and detectives (5112) |
| 415 | Supervisors, guards (5113) |
|  | **Firefighting and Fire Prevention Occupations** |
| 416 | Fire inspection and fire prevention occupations (5122) |
| 417 | Firefighting occupations (5123) |
|  | **Police and Detectives** |
| 418 | Police and detectives, public service (5132) |
| 423 | Sheriffs, bailiffs, and other law enforcement officers (5134) |
| 424 | Correctional institution officers (5133) |
|  | **Guards** |
| 425 | Crossing guards (5142) |
| 426 | Guards and police, except public service (5144) |
| 427 | Protective service occupations, n.e.c. (5149) |
|  | **SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD** |
|  | **Food Preparation and Service Occupations** |
| 433 | Supervisors, food preparation and service occupations (5211) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD, Food Preparation and Service Occupations, cont.** |
| 434 | Bartenders (5212) |
| 435 | Waiters and waitresses (5213) |
| 436 | Cooks (5214, 5215) |
| 438 | Food counter, fountain and related occupations (5216) |
| 439 | Kitchen workers, food preparation (5217) |
| 443 | Waiters'/waitresses' assistants (5218) |
| 444 | Miscellaneous food preparation occupations (5219) |
|  | **Health Service Occupations** |
| 445 | Dental assistants (5232) |
| 446 | Health aides, except nursing (5233) |
| 447 | Nursing aides, orderlies, and attendants (5236) |
|  | **Cleaning and Building Service Occupations, Except Household** |
| 448 | Supervisors, cleaning and building service workers (5241) |
| 449 | Maids and housemen (5242, 5249) |
| 453 | Janitors and cleaners (5244) |
| 454 | Elevator operators (5245) |
| 455 | Pest control occupations (5246) |
|  | **Personal Service Occupations** |
| 456 | Supervisors, personal service occupations (5251) |
| 457 | Barbers (5252) |
| 458 | Hairdressers and cosmetologists (5253) |
| 459 | Attendants, amusement and recreation facilities (5254) |
| 461 | Guides (5255) |
| 462 | Ushers (5256) |
| 463 | Public transportation attendants (5257) |
| 464 | Baggage porters and bellhops (5262) |
| 465 | Welfare service aides (5263) |
| 466 | Family child care providers (part 5264) |
| 467 | Early childhood teacher's assistants (part 5264) |
| 468 | Child care workers, n.e.c. (part 5264) |
| 469 | Personal service occupations, n.e.c. (5258, 5269) |
|  | **FARMING, FORESTRY, AND FISHING OCCUPATIONS** |
|  | **Farm Operators and Managers** |
| 473 | Farmers, except horticultural (5512-5514) |
| 474 | Horticultural specialty farmers (5515) |
| 475 | Managers, farms, except horticultural (5522-5524) |
| 476 | Managers, horticultural specialty farms (5525) |
|  |  |
|  |  |
| **1990 Occupation Code** | **Occupation Category** |
|  | **FARMING, FORESTRY, AND FISHING OCCUPATIONS, cont.** |
|  | **Other Agricultural and Related Occupations** |
|  | **Farm Occupations, Except Managerial** |
| 477 | Supervisors, farm workers (5611) |
| 479 | Farm workers (5612-5617) |
| 483 | Marine life cultivation workers (5618) |
| 484 | Nursery workers (5619) |
|  | **Related Agricultural Occupations** |
| 485 | Supervisors, related agricultural occupations (5621) |
| 486 | Groundskeepers and gardeners, except farm (5622) |
| 487 | Animal caretakers, except farm (5624) |
| 488 | Graders and sorters, agricultural products (5625) |
| 489 | Inspectors, agricultural products (5627) |
|  | **Forestry and Logging Occupations** |
| 494 | Supervisors, forestry and logging workers (571) |
| 495 | Forestry workers, except logging (572) |
| 496 | Timber cutting and logging occupations (573, 579) |
|  | **Fishers, Hunters, and Trappers** |
| 497 | Captains and other officers, fishing vessels (part 8241) |
| 498 | Fishers (583) |
| 499 | Hunters and trappers (584) |
|  | **PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS** |
|  | **Mechanics and Repairers** |
| 503 | Supervisors, mechanics and repairers (60) |
|  | **Mechanics and Repairers, Except Supervisors** |
|  | **Vehicle and Mobile Equipment Mechanics and Repairers** |
| 505 | Automobile mechanics (part 6111) |
| 506 | Automobile mechanic apprentices (part 6111) |
| 507 | Bus, truck, and stationary engine mechanics (6112) |
| 508 | Aircraft engine mechanics (6113) |
| 509 | Small engine repairers (6114) |
| 514 | Automobile body and related repairers (6115) |
| 515 | Aircraft mechanics, except engine (6116) |
| 516 | Heavy equipment mechanics (6117) |
| 517 | Farm equipment mechanics (6118) |
| 518 | Industrial machinery repairers (613) |
| 519 | Machinery maintenance occupations (614) |
|  | **Electrical and Electronic Equipment Repairers** |
| 523 | Electronic repairers, communications and industrial equipment (6151, 6153, 6155) |
| 525 | Data processing equipment repairers (6154) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS, Electrical and Electronic Equipment Repairers, cont.** |
| 527 | Telephone line installers and repairers (6157) |
| 529 | Telephone installers and repairers (6158) |
| 533 | Miscellaneous electrical and electronic equipment repairers (6152, 6159) |
| 534 | Heating, air conditioning, and refrigeration mechanics (616) |
|  | **Miscellaneous Mechanics and Repairers** |
| 535 | Camera, watch, and musical instrument repairers (6171, 6172) |
| 536 | Locksmiths and safe repairers (6173) |
| 538 | Office machine repairers (6174) |
| 539 | Mechanical controls and valve repairers (6175) |
| 543 | Elevator installers and repairers (6176) |
| 544 | Millwrights (6178) |
| 547 | Specified mechanics and repairers, n.e.c. (6177, 6179) |
| 549 | Not specified mechanics and repairers |
|  | **Construction Trades** |
|  | **Supervisors, Construction Occupations** |
| 553 | Supervisors, brickmasons, stonemasons, and tile setters (6312) |
| 554 | Supervisors, carpenters and related workers (6313) |
| 555 | Supervisors, electricians and power transmission installers (6314) |
| 556 | Supervisors, painters, paperhangers, and plasterers (6315) |
| 557 | Supervisors, plumbers, pipefitters, and steamfitters (6316) |
| 558 | Supervisors, construction, n.e.c. (6311, 6318) |
|  | **Construction Trades, Except Supervisors** |
| 563 | Brickmasons and stonemasons (part 6412, part 6413) |
| 564 | Brickmason and stonemason apprentices (part 6412, part 6413) |
| 565 | Tile setters, hard and soft (part 6414, part 6462) |
| 566 | Carpet installers (part 6462) |
| 567 | Carpenters (part 6422) |
| 569 | Carpenter apprentices (part 6422) |
| 573 | Drywall installers (6424) |
| 575 | Electricians (part 6432) |
| 576 | Electrician apprentices (part 6432) |
| 577 | Electrical power installers and repairers (6433) |
| 579 | Painters, construction and maintenance (6442) |
| 583 | Paperhangers (6443) |
| 584 | Plasterers (6444) |
| 585 | Plumbers, pipefitters, and steamfitters (part 645) |
| 587 | Plumber, pipefitter, and steamfitter apprentices (part 645) |
| 588 | Concrete and terrazzo finishers (6463) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS, Construction Trades, Except Supervisors, cont.** |
| 589 | Glaziers (6464) |
| 593 | Insulation workers (6465) |
| 594 | Paving, surfacing, and tamping equipment operators (6466) |
| 595 | Roofers (6468) |
| 596 | Sheetmetal duct installers (6472) |
| 597 | Structural metal workers (6473) |
| 598 | Drillers, earth (6474) |
| 599 | Construction trades, n.e.c. (6467, 6475, 6476, 6479) |
|  | **Extractive Occupations** |
| 613 | Supervisors, extractive occupations (632) |
| 614 | Drillers, oil well (652) |
| 615 | Explosives workers (653) |
| 616 | Mining machine operators (654) |
| 617 | Mining occupations, n.e.c. (656) |
|  | **Precision Production Occupations** |
| 628 | Supervisors, production occupations (67, 71) |
|  | **Precision Metal Working Occupations** |
| 634 | Tool and die makers (part 6811) |
| 635 | Tool and die maker apprentices (part 6811) |
| 636 | Precision assemblers, metal (6812) |
| 637 | Machinists (part 6813) |
| 639 | Machinist apprentices (part 6813) |
| 643 | Boilermakers (6814) |
| 644 | Precision grinders, filers, and tool sharpeners (6816) |
| 645 | Patternmakers and model makers, metal (6817) |
| 646 | Lay-out workers (6821) |
| 647 | Precious stones and metals workers (Jewelers) (6822, 6866) |
| 649 | Engravers, metal (6823) |
| 653 | Sheet metal workers (part 6824) |
| 654 | Sheet metal worker apprentices (part 6824) |
| 655 | Miscellaneous precision metal workers (6829) |
|  | **Precision Woodworking Occupations** |
| 656 | Patternmakers and model makers, wood (6831) |
| 657 | Cabinet makers and bench carpenters (6832) |
| 658 | Furniture and wood finishers (6835) |
| 659 | Miscellaneous precision woodworkers (6839) |
|  | **Precision Textile, Apparel, and Furnishings Machine Workers** |
| 666 | Dressmakers (part 6852, part 7752) |
| 667 | Tailors (part 6852) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS, Precision Textile, Apparel, and Furnishings Machine Workers, cont.** |
| 668 | Upholsterers (6853) |
| 669 | Shoe repairers (6854) |
| 674 | Miscellaneous precision apparel and fabric workers (6856, 6859, part 7752) |
|  | **Precision Workers, Assorted Materials** |
| 675 | Hand molders and shapers, except jewelers (6861) |
| 676 | Patternmakers, lay-out workers, and cutters (6862) |
| 677 | Optical goods workers (6864, part 7477, part 7677) |
| 678 | Dental laboratory and medical appliance technicians (6865) |
| 679 | Bookbinders (6844) |
| 683 | Electrical and electronic equipment assemblers (6867) |
| 684 | Miscellaneous precision workers, n.e.c. (6869) |
|  | **Precision Food Production Occupations** |
| 686 | Butchers and meat cutters (6871) |
| 687 | Bakers (6872) |
| 688 | Food batchmakers (6873, 6879) |
|  | **Precision Inspectors, Testers, and Related Workers** |
| 689 | Inspectors, testers, and graders (6881, 828) |
| 693 | Adjusters and calibrators (6882) |
|  | **Plant and System Operators** |
| 694 | Water and sewage treatment plant operators (691) |
| 695 | Power plant operators (part 693) |
| 696 | Stationary engineers (part 693, 7668) |
| 699 | Miscellaneous plant and system operators (692, 694, 695, 696) |
|  | **OPERATORS, FABRICATORS, AND LABORERS** |
|  | **MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS** |
|  | **Machine Operators and Tenders, Except Precision** |
|  | **Metal Working and Plastic Working Machine Operators** |
| 703 | Lathe and turning machine set-up operators (7312) |
| 704 | Lathe and turning machine operators (7512) |
| 705 | Milling and planing machine operators (7313, 7513) |
| 706 | Punching and stamping press machine operators (7314, 7317, 7514, 7517) |
| 707 | Rolling machine operators (7316, 7516) |
| 708 | Drilling and boring machine operators (7318, 7518) |
| 709 | Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522) |
| 713 | Forging machine operators (7319, 7519) |
| 714 | Numerical control machine operators (7326) |
| 715 | Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS, Metal Working and Plastic Working Machine Operators, cont.** |
| 717 | Fabricating machine operators, n.e.c. (7339, 7539) |
|  | **Metal and Plastic Processing Machine Operators** |
| 719 | Molding and casting machine operators (7315, 7342, 7515, 7542) |
| 723 | Metal plating machine operators (7343, 7543) |
| 724 | Heat treating equipment operators (7344, 7544) |
| 725 | Miscellaneous metal and plastic processing machine operators (7349, 7549) |
|  | **Woodworking Machine Operators** |
| 726 | Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632) |
| 727 | Sawing machine operators (7433, 7633) |
| 728 | Shaping and joining machine operators (7435, 7635) |
| 729 | Nailing and tacking machine operators (7636) |
| 733 | Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639) |
|  | **Printing Machine Operators** |
| 734 | Printing press operators (7443, 7643) |
| 735 | Photoengravers and lithographers (6842, 7444, 7644) |
| 736 | Typesetters and compositors (6841, 7642) |
| 737 | Miscellaneous printing machine operators (6849, 7449, 7649) |
|  | **Textile, Apparel, and Furnishings Machine Operators** |
| 738 | Winding and twisting machine operators (7451, 7651) |
| 739 | Knitting, looping, taping, and weaving machine operators (7452, 7652) |
| 743 | Textile cutting machine operators (7654) |
| 744 | Textile sewing machine operators (7655) |
| 745 | Shoe machine operators (7656) |
| 747 | Pressing machine operators (7657) |
| 748 | Laundering and dry cleaning machine operators (6855, 7658) |
| 749 | Miscellaneous textile machine operators (7459, 7659) |
|  | **Machine Operators, Assorted Materials** |
| 753 | Cementing and gluing machine operators (7661) |
| 754 | Packaging and filling machine operators (7462, 7662) |
| 755 | Extruding and forming machine operators (7463, 7663) |
| 756 | Mixing and blending machine operators (7664) |
| 757 | Separating, filtering, and clarifying machine operators (7476, 7666, 7676) |
| 758 | Compressing and compacting machine operators (7467, 7667) |
| 759 | Painting and paint spraying machine operators (7669) |
| 763 | Roasting and baking machine operators, food (7472, 7672) |
| 764 | Washing, cleaning, and pickling machine operators (7673) |
| 765 | Folding machine operators (7474, 7674) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS, Machine Operators, Assorted Materials, cont.** |
| 766 | Furnace, kiln, and oven operators, except food (7675) |
| 768 | Crushing and grinding machine operators (part 7477, part 7677) |
| 769 | Slicing and cutting machine operators (7478, 7678) |
| 773 | Motion picture projectionists (part 7479) |
| 774 | Photographic process machine operators (6863, 6868, 7671) |
| 777 | Miscellaneous machine operators, n.e.c. (part 7479, 7665, 7679) |
| 779 | Machine operators, not specified |
|  | **Fabricators, Assemblers, and Hand Working Occupations** |
| 783 | Welders and cutters (7332, 7532, 7714) |
| 784 | Solderers and brazers (7333, 7533, 7717) |
| 785 | Assemblers (772, 774) |
| 786 | Hand cutting and trimming occupations (7753) |
| 787 | Hand molding, casting, and forming occupations (7754, 7755) |
| 789 | Hand painting, coating, and decorating occupations (7756) |
| 793 | Hand engraving and printing occupations (7757) |
| 795 | Miscellaneous hand working occupations (7758, 7759) |
|  | **Production Inspectors, Testers, Samplers, and Weighers** |
| 796 | Production inspectors, checkers, and examiners (782, 787) |
| 797 | Production testers (783) |
| 798 | Production samplers and weighers (784) |
| 799 | Graders and sorters, except agricultural (785) |
|  | **TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS** |
|  | **Motor Vehicle Operators** |
| 803 | Supervisors, motor vehicle operators (8111) |
| 804 | Truck drivers (8212-8214) |
| 806 | Driver-sales workers (8218) |
| 808 | Bus drivers (8215) |
| 809 | Taxicab drivers and chauffeurs (8216) |
| 813 | Parking lot attendants (874) |
| 814 | Motor transportation occupations, n.e.c. (8219) |
|  | **Transportation Occupations, Except Motor Vehicles** |
|  | **Rail Transportation Occupations** |
| 823 | Railroad conductors and yardmasters (8113) |
| 824 | Locomotive operating occupations (8232) |
| 825 | Railroad brake, signal, and switch operators (8233) |
| 826 | Rail vehicle operators, n.e.c. (8239) |
|  | **Water Transportation Occupations** |
| 828 | Ship captains and mates, except fishing boats (part 8241, 8242) |
| 829 | Sailors and deckhands (8243) |
| **1990 Occupation Code** | **Occupation Category** |
|  | **TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS, Water Transportation Occupations, cont.** |
| 833 | Marine engineers (8244) |
| 834 | Bridge, lock, and lighthouse tenders (8245) |
|  | **Material Moving Equipment Operators** |
| 843 | Supervisors, material moving equipment operators (812) |
| 844 | Operating engineers (8312) |
| 845 | Longshore equipment operators (8313) |
| 848 | Hoist and winch operators (8314) |
| 849 | Crane and tower operators (8315) |
| 853 | Excavating and loading machine operators (8316) |
| 855 | Grader, dozer, and scraper operators (8317) |
| 856 | Industrial truck and tractor equipment operators (8318) |
| 859 | Miscellaneous material moving equipment operators (8319) |
|  | **HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS** |
| 864 | Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85) |
| 865 | Helpers, mechanics, and repairers (863) |
|  | **Helpers, Construction, and Extractive Occupations** |
| 866 | Helpers, construction trades (8641-8645, 8648) |
| 867 | Helpers, surveyor (8646) |
| 868 | Helpers, extractive occupations (865) |
| 869 | Construction laborers (871) |
| 874 | Production helpers (861, 862) |
|  | **Freight, Stock, and Material Handlers** |
| 875 | Garbage collectors (8722) |
| 876 | Stevedores (8723) |
| 877 | Stock handlers and baggers (8724) |
| 878 | Machine feeders and offbearers (8725) |
| 883 | Freight, stock, and material handlers, n.e.c. (8726) |
| 885 | Garage and service station related occupations (873) |
| 887 | Vehicle washers and equipment cleaners (875) |
| 888 | Hand packers and packagers (8761) |
| 889 | Laborers, except construction (8769) |
|  |  |
| 905 | Assigned to persons whose current labor force status is unemployed and whose last job was Armed Forces |

**Appendix E**

**NCHS 113 CAUSES OF DEATH FROM ICD-10**

 [Return to Appendix TOC](#APP_TOC) [Return to Main TOC](#TOC) [Return to CAUSE113](#ThreeDigitCOD)

In 1992 the CDC’s National Center for Health Statistics published a standardized list of 113 selected causes of death, for the general analysis of ICD–10 mortality statistics and for ranking leading causes of death. Source: [www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\_11.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_11.pdf)

|  |  |
| --- | --- |
| 1 | Salmonella infections |
| 2 | Shigellosis and amebiasis |
| 3 | Certain other intestinal infections |
| 4 | Respiratory tuberculosis |
| 5 | Other tuberculosis |
| 6 | Whooping cough |
| 7 | Scarlet fever and erysipelas |
| 8 | Meningococcal infection |
| 9 | Septicemia |
| 10 | Syphilis |
| 11 | Acute poliomyelitis |
| 12 | Arthropod-borne viral encephalitis |
| 13 | Measles |
| 14 | Viral hepatitis |
| 15 | Human immunodeficiency virus (HIV) disease |
| 16 | Malaria |
| 17 | Other and unspecified infectious and parasitic diseases and their sequelae |
| 18 | Malignant neoplasms of lip, oral cavity and pharynx |
| 19 | Malignant neoplasm of esophagus |
| 20 | Malignant neoplasm of stomach |
| 21 | Malignant neoplasms of colon, rectum and anus |
| 22 | Malignant neoplasms of liver and intrahepatic bile ducts |
| 23 | Malignant neoplasm of pancreas |
| 24 | Malignant neoplasm of larynx |
| 25 | Malignant neoplasms of trachea, bronchus and lung |
| 26 | Malignant melanoma of skin |
| 27 | Malignant neoplasm of breast |
| 28 | Malignant neoplasm of cervix uteri |
| 29 | Malignant neoplasms of corpus uteri and uterus, part unspecified |
| 30 | Malignant neoplasm of ovary |
| 31 | Malignant neoplasm of prostate |
| 32 | Malignant neoplasms of kidney and renal pelvis |
| 33 | Malignant neoplasm of bladder |
| 34 | Malignant neoplasms of meninges, brain and other parts of central nervous system |
| 35 | Hodgkin's disease |
| 36 | Non-Hodgkin's lymphoma |
| 37 | Leukemia |
| 38 | Multiple myeloma and immunoproliferative neoplasms |
| 39 | Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue |
| 40 | All other and unspecified malignant neoplasms |
| 41 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior |
| 42 | Anemias |
| 43 | Diabetes mellitus |
| 44 | Malnutrition |
| 45 | Other nutritional deficiencies |
| 46 | Meningitis |
| 47 | Parkinson's disease |
| 48 | Alzheimer's disease |
| 49 | Acute rheumatic fever and chronic rheumatic heart diseases |
| 50 | Hypertensive heart disease |
| 51 | Hypertensive heart and renal disease |
| 52 | Acute myocardial infarction |
| 53 | Other acute ischemic heart diseases |
| 54 | Atherosclerotic cardiovascular disease, so described |
| 55 | All other forms of chronic ischemic heart disease |
| 56 | Acute and subacute endocarditis |
| 57 | Diseases of pericardium and acute myocarditis |
| 58 | Heart failure |
| 59 | All other forms of heart disease |
| 60 | Essential (primary) hypertension and hypertensive renal disease |
| 61 | Cerebrovascular diseases |
| 62 | Atherosclerosis |
| 63 | Aortic aneurysm and dissection |
| 64 | Other diseases of arteries, arterioles and capillaries |
| 65 | Other disorders of circulatory system |
| 66 | Influenza |
| 67 | Pneumonia |
| 68 | Acute bronchitis and bronchiolitis |
| 69 | Unspecified acute lower respiratory infection |
| 70 | Bronchitis, chronic and unspecified |
| 71 | Emphysema |
| 72 | Asthma |
| 73 | Other chronic lower respiratory diseases |
| 74 | Pneumoconioses and chemical effects |
| 75 | Pneumonitis due to solids and liquids |
| 76 | Other diseases of respiratory system |
| 77 | Peptic ulcer |
| 78 | Diseases of appendix |
| 79 | Hernia |
| 80 | Alcoholic liver disease |
| 81 | Other chronic liver disease and cirrhosis |
| 82 | Cholelithiasis and other disorders of gallbladder |
| 83 | Acute and rapidly progressive nephritic and nephrotic syndrome |
| 84 | Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified |
| 85 | Renal failure |
| 86 | Other disorders of kidney |
| 87 | Infections of kidney |
| 88 | Hyperplasia of prostate |
| 89 | Inflammatory diseases of female pelvic organs |
| 90 | Pregnancy with abortive outcome |
| 91 | Other complications of pregnancy, childbirth and the puerperium |
| 92 | Certain conditions originating in the perinatal period |
| 93 | Congenital malformations, deformations and chromosomal abnormalities |
| 94 | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified |
| 95 | All other diseases (Residual) |
| 96 | Motor vehicle crash |
| 97 | Unintentional injury: Other land transport |
| 98 | Unintentional injury: Water, air and space, and other transport |
| 99 | Falls |
| 100 | Accidental discharge of firearms |
| 101 | Accidental drowning and submersion |
| 102 | Accidental exposure to smoke, fire and flames |
| 103 | Accidental poisoning and exposure to noxious substances |
| 104 | Other and unspecified nontransport accidents and their sequelae |
| 105 | Intentional self-harm (suicide) by discharge of firearms |
| 106 | Intentional self-harm (suicide) by other and unspecified means and their sequelae |
| 107 | Assault (homicide) by discharge of firearms |
| 108 | Assault (homicide) by other and unspecified means and their sequelae |
| 109 | Legal intervention |
| 110 | Discharge of firearms, undetermined intent |
| 111 | Other and unspecified events of undetermined intent and their sequelae |
| 112 | Operations of war and their sequelae |
| 113 | Complications of medical and surgical care |