

**National  
Longitudinal  
Mortality  
Study**

**Public Use File, Release 2.  
Documentation**

**October 1, 1995**

The National Longitudinal Mortality Study Public Use File  
Release 2.

The second release of the National Longitudinal Mortality Study (NLMS) public use file is now available. This latest version is an update of the mortality experience of the first release with information added for four additional years of mortality follow-up.

In constructing this second release we have attempted, as much as possible, to maintain the structure of the data from the original version. However, several minor modifications have been made to the data in the original file which may lead to minor inconsistencies in analyses when results from release 2 are compared to those obtained from release 1. These changes have been made so that the data in the current public use file will reflect, as nearly as possible, the current, full, NLMS database, which has undergone a few minor editorial changes since the previous public use file was released.

A Change in the Total Number of Records:

This release of the public use file contains 162 fewer records than the previous release. There are three reasons for these records being dropped.

1. Several persons, who had not died as of the previous version of the file, were identified as having died during the update period and in the process were found to have been surveyed in two or more of the source files for this public use file. The full NLMS maintains only the most recent information for the record and does not follow the other, previously collected, records for this person.
2. In a few cases persons were identified to have died in the first version of the public use file but during the interim period were found to have completed the CPS survey but died before the official NLMS starting point for follow-up for the file. These persons were redefined to be out of scope for the full NLMS and dropped from further study.
3. In two of the original public use file source files, the age for some persons coded age 98 (i.e. age 98 or older) were found to be invalid. The age of these persons was recoded to missing in the full NLMS which in turn caused their records to be dropped from inclusion in this second public use file release.

A **Change** in the **Weights** for Some Children:

Aside from updating the mortality information in this release of the public use file, there is one further difference between this and the previous version of the file. The weights for children ages less than or equal to 13 years of age from one of the **NLMS** source files have changed. During the interim period between public use file releases, these weights were found not to be correct. The corrected weights have been incorporated into this public use file release.

The Addition of the Social **Security** Number Indicator:

The determination of mortality in the NLMS is based on matching records to the National Death Index. This procedure is carried out using a complex, computer based, matching algorithm which depends on a hierarchy of many matching criteria to link an **NLMS** record to a death certificate. The most important of these criteria is a social security number agreement. Without social security number some deaths may have been missed in the matching process. However, we have a high level of confidence that deaths which have been identified are correctly matched. An indicator variable has been added to the current release to indicate whether or not a social security number was available on the NLMS source file record for matching with a social security number which might be available on a candidate death certificate in the National Death Index.

file:pubfile.doc

FILE DESCRIPTION OF THE NATIONAL LONGITUDINAL **MORTALITY** STUDY PUBLIC USE FILE, Release 2.  
 FILE DESCRIPTION AS OF OCTOBER 1, 1995

#	VARIABLE	LABEL	PAGE	FMT	DESCRIPTION
1	RECORD NUMBER	RECORD	1	1-6	SEQUENTIAL RECORD NUMBER FOR THE ORDER OF RECORD IN FILE
2	AGE	AGE	1	7-8	AGE IN YEARS
3	RACE	RACEX	1	9	RACE -WHITE(1), BLACK(P), AM INDIAN(3), AND ASIAN(4)
4	SEX	SEX	1	10	SEX - MALE= 1, FEMALE=2
5	MARITAL STATUS	MS	2	11	MARITAL STATUS
6	HISPANIC ORIGIN	HISP	2	12	HISPANIC ORIGIN
7	ADJUSTED INCOME	ADJINC	2	13	FAMILY INCOME ADJUSTED FOR INFLATION (1980 \$)
6	EDUCATION COMPLETED	EDUC	3	14	HIGHEST GRADE COMPLETED
9	PLACE OF BIRTH	POB	3	15-16	PLACE OF BIRTH FROM CONTROL FILE
10	ADJUSTED WEIGHT	WT	4	17-20	CPS WEIGHT ADJUSTED TO PROJECTED 1980 CENSUS DAY POPULATION
11	HOUSEHOLD ID	HHID	4	21-26	HOUSEHOLD IDENTIFICATION NUMBER
12	NUMBER IN HOUSEHOLD	HHNUM	4	27-28	NUMBER OF PERSONS IN HOUSEHOLD
13	REL TO HH HEAD	RELTHD	5	29	RELATIONSHIP TO HEAD OF HOUSEHOLD
14	EMPLOYMENT STATUS	ESR	5	30	EMPLOYMENT STATUS RECODE (1-7)
15	OCCUPATION	o c c	5	31-33	OCCUPATIONAL CLASSIFICATION USING 1970 CODES
16	OCCUPATION RECODE	OCCREC	6	34-35	OCCUPATION RECODED TO 88 TWO DIGIT CODES
17	MAJOR OCCUPATION	MAJOCC	6	36-37	MAJOR OCCUPATION CLASSIFICATION USING 1970 CODES (12 CLASSES)
16	INDUSTRY	IND	6	38-40	INDUSTRIAL CLASSIFICATION USING 1970 CODES
19	INDUSTRY RECODE	INDREC	7	41-42	INDUSTRY RECODED TO 83 TWO DIGIT CODES
20	MAJOR INDUSTRY	MAJIND	7	43-44	MAJOR INDUSTRY CLASSIFICATION USING 1970 CODES (12 CLASSES)
21	URBAN	URB	8	45	URBAN (1) OR RURAL (2)
22	SMSA STATUS	SMSAST	8	46	SMSA CENT CITY(1), SMSA NOT CENT CITY(2), NOT SMSA(3)
23	DEATH INDICATOR	INDDEA	8	47	DEATH INDICATOR FOR PERIOD 1979 THROUGH 1989, DEATH= 1, ALIVE=0
24	UNDERLYING CAUSE PT1	CAUSE1	9	48-50	UNDERLYING CAUSE OF DEATH (FIRST THREE DIGITS OF CODE)
25	UNDERLYING CAUSE PT2	CAUSE2	9	51-52	UNDERLYING CAUSE-FOURTH DIGIT, BLANK= 10, ALIVE=.
26	LENGTH OF FOLLOWUP	FOLLOW	9	53-56	LENGTH OF FOLLOW-UP (IN DAYS), RANGE: 0-3287, ALIVE=3288
27	DAY OF WEEK OF DEATH	DAYOD	10	57	DAY OF THE WEEK OF DECEDENTS DEATH, 1 =SUNDAY,2=MONDAY, ETC
28	HOUR OF DEATH	HROD	10	58	HOUR OF THE DAY OF DECEDENT-S DEATH, SIX HOUR GROUPINGS
29	CORONER CERTIFIED	CORODC	10	59	WAS DEATH CERTIFICATE CORONER CERTIFIED (YES= 1,NO=0)
30	INTERVAL	INTERV	11	60	INTERVAL BETWEEN ONSET OF IMMEDIATE CAUSE OF DEATH AND DEATH
31	PLACEOFDEATH	HOSP	11	61	PLACE OF DEATH
32	HOSPITAL DEATH?	HOSPD	12	82	WAS DEATH IN A HOSPITAL?
33	AVE TEMPERATURE	ATEMP	12	63-64	AVERAGE TEMP FOR MONTH OF DEATH IN STATE OF RESIDENCE
34	SOCIAL SECURITY #	SSNYN	12	65	SOCIAL SECURITY NUMBER PRESENT OR NOT ON CPS, 0=NO, 1 =YES

DOC: PUBUSERF.WK1

NOTE: For SAS dataset version of file use variables as given under column heading 'LABEL'

For ASCII. CD ROM. version of the file refer to variables using format as given under column heading 'FMT'

1. Record Number RECORD

**Desc:** A sequential number for each record on the file.  
The file consists of 637,162 records.

2. Age AGE

**Desc:** Age of person at the time of survey. If age was not available on CPS record, then age was taken from NDI control file data. If age did not exist for either of these two files and month and year of birth were available on the control file then age was computed using month and year of birth. The ages 98 years and older have been recorded to age 98 years. Persons of unknown age are not maintained in this file.

Codes:

0 - 97	Actual ages	637,108
98	All valid ages 98 or older	54

3. Race RACEX

**Desc:** An expanded version of race which separates the "American Indian, etc." and "Asian, etc." categories out of "Other" in early versions of the CPS code.

Codes:

.	Unknown	468
1	White	550,627
2	Black	66,515
3	American Indian or Eskimo	6,191
4	Asian or Pacific Islander	12,637
5	Other nonwhite	724

4. Sex SEX

**Desc:** For CPS files, code for sex is determined from CPS record as first priority and from the NLMS control file as second priority. Persons for whom a sex could not be determined are not maintained on the file.

Codes:

1	Males	307,879
2	Females	329,283

## 5. Marital Status MS

**Desc:** Marital status

Codes:

.	- Unknown, person of age L.E. 14	155,291
1	- Married	287,950
2	- Widowed	34,770
3	- Divorced	28,020
4	- Separated	10,427
5	- Never Married	120,704

## 6. Hispanic Origin HISP

**Desc:** Hispanic origin classifies all persons by Hispanic origin or other.

Codes:

.	- Unknown, not available	23,430
1	- Mexican American	14,416
2	- Chicano	947
3	- Mexican ( <b>Mexicano</b> )	8,238
4	- Puerto Rican	4,652
5	- Cuban	1,843
6	- Central and South American	2,888
7	- Other Spanish	5,429
8	- All other	575,319

## 7. Adjusted Income ADJINC

**Desc:** Annual family income adjusted for inflation to 1980 dollars. See first Data Book for adjustment procedure.

Codes:

.	Unknown	43,553
1	- <\$5,000	58,662
2	- \$5,000-\$9,999	92,338
3	- \$10,000-\$14,999	103,325
4	- \$15,000-\$19,999	86,776
5	- \$20,000-\$24,999	86,799
6	- \$25,000-\$49,999	138,807
7	- \$50,000+	26,902

8. Highest Grade Completed EDUC

**Desc:** Highest grade completed in school.

(Values recoded by SMD from original CPS codes)

Codes:

.	- Missing (generally includes children under 14)	143,889
1	- Elementary grades 0-4 and education identified as none	12,109
2	- Elementary grades 5-7	26,733
3	- Elementary grades 8	42,935
4	- High School Levels 1-3	93,410
5	- High School Level 4	174,854
6	- College Level 1-3	75,891
7	- College Level 4	40,275
8	- College Level 5+	27,066

9. Place of Birth POB

**Desc:** Place of birth is collected from the control card or from special sources when control file was constructed by original sponsor. All sources have been standardized into the National Death Index Geographical codes for states.

National Death Index Geographical Codes for State  
(or Foreign Country of Residence and Birth)

Source: September 1981 User's Manual The National Death Index

1 Alabama	21 Maryland	41 South Carolina
2 Alaska	22 Massachusetts	42 South Dakota
3 Arizona	23 Michigan	43 Tennessee
4 Arkansas	24 Minnesota	44 Texas
5 California	25 Mississippi	45 Utah
6 Colorado	26 Missouri	46 Vermont
7 Connecticut	27 Montana	47 Virginia
8 Delaware	28 Nebraska	48 Washington
9 District of Columbia	29 Nevada	49 West Virginia
10 Florida	30 New Hampshire	50 Wisconsin
11 Georgia	31 New Jersey	51 Wyoming
12 Hawaii	32 New Mexico	59 Rest of World
13 Idaho	33 New York State	. Unknown
14 Illinois	34 North Carolina	(122435)
15 Indiana	35 North Dakota	
16 Iowa	36 Ohio	
17 Kansas	37 Oklahoma	
18 Kentucky	38 Oregon	
19 Louisiana	39 Pennsylvania	
20 Maine	40 Rhode Island	

## 10. Adjusted Weight WT

**Desc:** This public use file consists of results from five separate CPS surveys collected over the period 1979 to 1981. All records have been weighted to give projected population totals for the noninstitutionalized population of the United States on April 1, 1980. Weights were obtained by raking age-sex-race groups totals by state totals. A total of 13,271 persons could not be assigned weights because state of residence or race were unknown. Weights were truncated to whole persons resulting in 36 persons receiving a weight of 0. These records may be treated as selfrepresenting and reassigned a weight of 1 if desired.

## 11. Household Identification HHID

**Desc:** The household identification number is a unique six digit number assigned to every member of a household.

**Note :** HHID is computed using PSU, SEGMENT, and SERIAL NUMBER to identify households in the public use file. The identification number assigned is sequential starting with the first household on the file.

## 12. Number in HH HHNUM

**Desc:** Number of persons in the household

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

## Codes:

1 - 24	Number in household	637,162
	No unknowns	



13. Relationship to Head of HH RELTHD

**Desc:** Relationship to head of household.

Codes:

.	- Unknown	13,474
1	- Head with other relatives in household	170,196
2	- *Primary individual	59,109
3	- Spouse of head	140,560
4	- Other relative of head (includes children)	238,371
5	- Nonrelative of head	15,452

\* Although everyone is or has been part of a family, many people don't live as part of a family setting. In a single person household the individual is always coded as a primary individual (2). A Primary individual for example is a person who lives alone or with non relatives. This person is referred to as a non family householder.

14. Employment Status Recode ESR

**Desc:** Employment Status Recode

Codes:

.	- Not in the universe (e.g. age L.E. 13 years)	144,533
1	- In the labor force, employed	265,683
2	- In the labor force, employed, not working	17,343
3	- In the labor force, unemployed looking	21,866
4	- Not in the labor force, housekeeping	91,817
5	- Not in the labor force, at school	32,278
6	- Not in the labor force, unable to work	7,286
7	- Not in the labor force, other, retired	56,356

15. Occupation occ

**Desc:** Job specific 1970 occupational classification codes. Specific codes for occupations are given in Attachment A.

**Ref:** 1970 Census of Population - Index of Industries and Occupations.

Codes:

001-984	- Occupational code	318,801
.	- Unknown, no occupation, or age L.E. 13 years	318,361

16. Occupation Recode OCCREC

**Desc:** A recode of the job specific 1970 occupational classification codes for OCC (variable #15). Recodes were determined by the National Heart, Lung, and Blood Institute. The highest frequency was used to decide between multiple recode possibilities for a specific code. OCC was reclassified into 88 categories for MALES, as shown in Attachment B, and into 59 categories for FEMALES as shown in Attachment C.

Codes:

01-88 - Occupational recode for males	178,180
01-59 - Occupational recode for females	140,621
. - Unknown, no occupation, or age L.E. 13	318,361

17. Major Occupation MAJOCC

**Desc:** Major industry classification recode of 1970 specific industry codes.

Codes:

.01 - Professional, Technical, and Kindred Workers	(001 - 196)	47,391
.02 - Managers and Administrators, except farm	(201 - 246)	32,963
.03 - Sales workers	(260 - 296)	19,933
.04 - Clerical and Kindred Workers	(301 - 396)	57,638
.05 - Craftmen and Kindred Workers	(401 - 586)	39,813
.06 - Operatives, except Transport	(601 - 696)	34,289
.07 - Transport Equipment Operatives	(701 - 726)	11,181
.08 - Laborers, except farm	(740 - 796)	16,304
.09 - Farmers and Farm managers	(801 - 806)	5,973
.10 - Farm Laborers and Farm managers	(821 - 846)	5,893
.11 - Service Workers, excluding Private households	(901 - 965)	42,792
.12 - Private Household workers	(980 - 986)	4,631
. - Occupation not reported, never worked, age L.E. 13 years, or no match to CPS		318,361

18. Industry IND

**Desc:** Job specific 1970 industrial classification codes. Specific codes for industries are given in Attachment D.

**Ref:** 1970 Census of Population-Index of Industries and Occupations.

Codes:

017-937 - Industry code	318,272
. - Never worked, unknown, or age L.E. 13 years	318,890

19. Industry Recode INDREC

**Desc:** A recode of the job specific 1970 industrial classification codes for IND (variable #18). Recodes were determined by the National Heart, Lung, and Blood Institute. The highest frequency was used to decide between multiple recode possibilities for a specific code. IND was reclassified into 83 categories as shown in Attachment E. Males and females are reclassified by the same code.

Codes:

01-83 - Industrial recode	318,272
. - Never worked, unknown, or age L.E. 13 years	318,890

20. Major Industry MAJIND

**Desc:** Major industry classification recode of 1970 specific industry.

Codes:

01 - Agriculture, Forestry, and Fisheries	(017 - 029)	14,271
02 - Mining	(047 - 058)	3,800
03 - Construction	(067 - 078)	20,818
04 - Manufacturing	(107 - 399)	65,327
05 - Transportation, Communications and Public Utilities	(407 - 499)	19,942
06 - Wholesale and Retail Trade	(507 - 699)	65,860
07 - Finance, Insurance and Real Estate	(707 - 719)	17,559
08 - Business and Repair Services	(727 - 767)	12,222
09 - Personal Services	(769 - 799)	15,249
10 - Entertainment and Recreation Services	(807 - 817)	3,808
11 - Professional and Related Services	(828 - 899)	61,820
12 - Public Administration	(907 - 947)	17,596
. - Industry not reported, never worked, age L.E. 13 years)		318,890

## 21. Urban/Rural URB

**Desc:** Urban or rural status. The definition of urban and rural on these files follows from the 1970 Census. 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 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:

.	- Unknown	13,236
1	- Urban	410,294
2	- Rural	213,632

## 22. SMSA Status SMSAST

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

## Codes:

.	- Unknown	13,250
1	- SMSA, in Central City	163,600
2	- SMSA, not in Central City	218,727
3	- Not in an SMSA	241,585

## 23. Death Indicator INDDEA

**Desc:** An indicator variable identifying decedents on file. Deaths occurred within a nine year follow-up period after the CPS interview.

## Codes:

0	- Alive	594,243
1	- Dead	42,919

## 24. Cause of Death Pt. 1 CAUSE1

**Desc:** The first 3 digits of the code for the underlying cause of death taken from the death certificate. Reference for coding is: Ninth Revision, International Classification of Diseases, published by the World Health Organization 1977, volumes 1 and 2. (Coded by NCHS nosologists.) External cause coding is used for all accidents and violence.

Codes:

<b>8-988</b>	- The first three of the four digit ICD code for underlying cause.	42,919
.	- Alive	594,243

## 25. Cause of Death Pt. 2 CAUSE2

**Desc:** The fourth digit of the code for the underlying cause of death taken from the death certificate. Reference for coding is: Ninth Revision, International Classification of Diseases, published by the World Health Organization 1977, Volumes 1 and 2.

Codes:

<b>0-9</b>	-	<b>0-9</b>	30,066
10	-	Blank	12,853
.	-	Alive	594,243

## 26. Length of Follow-up FOLLOW

**Desc:** The length of follow-up in days. Persons who were alive at the end of the nine year follow-up period are given a value of 3288, the maximum follow-up period considered.

Codes:

1-3287	- Full days between start of follow-up and death	42,919
3288	- Full days between start of follow-up and end of follow-up for those alive during entire period of study.	594,243

## 27. Day of Week of Death DAYOD

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

Codes:

.	Alive	594,243
1	Sunday	6,106
2	Monday	6,183
3	Tuesday	6,060
4	Wednesday	5,974
5	Thursday	6,010
6	Friday	6,311
7	Saturday	6,275

## 28. Hour of Death HROD

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

Codes:

.	Alive	594,243
1	Hour of Death: 12:00 AM - 5:59 AM	7,614
2	Hour of Death: 6:00 AM - 11:59 AM	9,865
3	Hour of Death: 12:00 PM - 5:59 PM	9,464
4	Hour of Death: 6:00 PM - 11:59 PM	9,284
5	Other nonspecific time of death including AM or PM, blank or illegible	6,692

## 29. Coroner Certified CORODC

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

Codes:

.	Alive	594,243
1	Not coroner certified	33,848
2	Coroner certified	8,842
3	Unable to determine	229

## 30. Interval Between Onset INTERV

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

Codes:

.	- Alive	594,243
0	- Less than 1 hour, minutes, sudden	8,770
1	- 1-23 hours or statement, 'hours'	2,607
2	- 1-6 days or statement, 'days'	3,529
3	- 7 or more days	8,229
4	- Unable to determine	1,087
9	- Blank or illegible	18,697

## 31. Place of Death HOSP

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

Codes:

1-	Entry on death certificate includes Hospital or Medical Center, or is a clinic of a hospital.	28,597
2-	Entry is a type of institution other than hospital or medical center, such as nursing home, professional center, doctor's office, or clinic other than a hospital clinic.	4,775
3-	Entry includes the word "clinic" but does not indicate whether or not it is of a hospital.	25
4-	Entry is a street address (or home, or work, etc.) only.	8,870
5-	Other entries which do not include the word "Hospital" or "Medical Center."	444
6-	Hospice.	71
7-	Unknown.	1
9-	Blank or illegible on the death certificate.	136
.	- Alive	594,243

## 32. Hospital Death Indicator HOSPD

**Desc:** 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 6 is assigned for this variable.

Codes:

1 - DOA (a special box must be present and marked on the death certificate)	2,018
2 - Inpatient	17,758
3 - Outpatient/Emergency	2,284
4 - Other hospital visit	17
5 - Not in hospital	11,166
6 - Not on death certificate/unable to determine	7,835
9 - Blank on certificate or illegible.	1,841
. - Alive	594,243

## 33. Ave Temperature ATEMP

**Desc:** The average temperature for the month of decedent's death in state of residence of decedent. Temperature is given in whole degrees Fahrenheit.

Codes:

. - Alive	594,243
9 - 9° or less Fahrenheit	151
10 - 84 - degrees Fahrenheit	42,511
85 - 85° or more Fahrenheit	115
99 - Unknown temperature	142

## 34. Social Security Number SSNYN

**Desc:** This variable indicates the presence or absence of the social security number on the CPS record.

Codes:

0 - Not present on CPS	212,315
1 - Present on CPS	424,847



## OCCUPATIONAL CLASSIFICATION SYSTEM

Equivalent numeric codas follow the alphabetic codas. Either coda may be utilized, depending on the processing method. "N.e.c." means "not elsewhere classified."

Occupation Code	PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS	Occupation Code	PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS—Continued
001	Accountants		Nurses, dietitians, and therapists
002	Architects	074	Dietitians
	Computer specialists	075	Registered nurses
003	Computer programmers	676	Therapists
004	Computer systems analysts		Health technologists and technicians
005	Computer specialists, n.e.c.	080	Clinical laboratory technologists and technicians
	Engineers	081	Dental hygienists
006	Aeronautical and astronautical engineers	082	Health record technologists and technicians
010	Chemical engineers	083	Radiologic technologists and technicians
011	Civil engineers	084	Therapy assistants
012	Electrical and electronic engineers	085	Health technologists and technicians, n.e.c.
013	Industrial engineers		Religious workers
014	Mechanical engineers	086	Clergymen
015	Metallurgical and materials engineers	090	Religious workers, n.e.c.
020	Mining engineers		Social scientists
021	Petroleum engineers	091	Economists
022	Sales engineers	092	Political scientists
023	Engineers, n.e.c.	093	Psychologists
024	Farm management advisors	094	Sociologists
025	Foresters and conservationists	095	Urban and regional planners
026	Home management advisors	096	Social scientists, n.e.c.
	Lawyers and judges		Social and recreation workers
030	Judges	100	Social workers
031	Lawyers	101	Recreation workers
	Librarians, archivists, and curators		Teachers, college and university
032	Librarians	102	Agriculture teachers
033	Archivists and curators	103	Atmospheric, earth, marine, and space teachers
	Mathematical specialists	104	Biology teachers
034	Actuaries	105	Chemistry teachers
035	Mathematicians	110	Physics teachers
036	Statisticians	111	Engineering teachers
	Life and physical scientists	112	Mathematics teachers
042	Agricultural scientists	113	Health specialties teachers
043	Atmospheric and space scientists	114	Psychology teachers
044	Biological scientists	115	Business and commerce teachers
045	Chemists	116	Economics teachers
051	Geologists	120	History teachers
052	Marine scientists	121	Sociology teachers
053	Physicists and astronomers	122	Social science teachers, ncc.
054	Life and physical scientists, n.e.c.	123	Art, drama, and music teachers
055	Operations and systems researchers and analysts	124	Coaches and physical education teachers
056	Personnel and labor relations workers	125	Education teachers
	Physicians, dentists, and related practitioners	126	English teachers
061	Chiropractors	130	Foreign language teachers
062	Dentists	131	Home economics teachers
063	Optometrists	132	Law teachers
064	Pharmacists	133	Theology teachers
065	Physicians, medical and osteopathic	134	Trade, industrial, and technical teachers
071	Podiatrists	135	Miscellaneous teachers, college and university
072	Veterinarians	140	Teachers, college and university, subject not specified
073	Health practitioners, n.e.c.		

**PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS—Continued**

**MANAGERS AND ADMINISTRATORS, EXCEPT FARM—Continued**

141 Teachers, except college and university  
 N (142) Adult education teachers  
 143 Elementary school teachers  
 144 Prekindergarten and kindergarten teachers  
 145 Secondary school teachers  
 150 Teachers, except collage and university, ne.c.  
 Engineering and science technicians  
 151 Agriculture end biological technicians, accept health  
 152 Chemical technicians  
 153 Draftsmen  
 154 Electrical and electronic engineering technicians  
 155 Industrial engineering technicians  
 156 Mechanical engineering technicians  
 161 Mathematical technicians  
 162 Surveyors  
 Engineering and science technicians, n.e.c.  
 Technicians, except health, end engineering and science  
 163 Airplane pilots  
 164 Air traffic controllers  
 165 Embalmers  
 170 Flight engineers  
 171 Radio operators  
 172 Tool programmers, numerical control  
 173 Technicians, n.e.c.  
 174 Vocational and educational counselors  
 Writers, artists, and entertainen  
 175 Actors  
 180 Athletes end kindred workers  
 181 Authors  
 182 Dancers  
 183 Designers  
 184 Editors and reporters  
 185 Musicians and composers  
 190 Painters end sculptors  
 191 Photographers  
 192 Public relations men and publicity writers  
 193 Radio and television announcers  
 194 Writers, artists, and entertainers, n.e.c.  
 195 Research workers, not specified

**MANAGERS AND ADMINISTRATORS, EXCEPT FARM**

201 Assessors, controllers, and treasurers; local public administration  
 202 Bank officers and financial managers  
 203 Buyers and shippers farm products  
 205 Buyers, wholesale and retail trade  
 210 Credit men  
 211 Funeral directors  
 212 Health administrators  
 213 Construction inspectors, public administration  
 215 Inspectors, except construction, public administration  
 216 Managers and superintendents, building  
 220 Office managers, n.e.c.  
 221 Officers, pilots, and pursers; ship  
 222 Offiials and administrators; public administration, n.e.c.  
 223 Officials of lodges, societies, and unions  
 224 Postmasters and mail superintendents  
 225 Purchasing agents end buyers, n.e.c.  
 226 Railroad conductors

230 Restaurant cafeteria, and bar managers  
 231 Sales managers and department heads, retail trade  
 233 Sales managers, except retail trade  
 235 School administrators, college  
 240 School administrators, elementary end secondary  
 245 Managers and administrators, n.e.c.

**SALES WORKERS**

260 Advertising agents and salesmen  
 261 Auctioneers  
 262 Demonstrators  
 264 Hucksters and peddlers  
 265 Insurance agents, brokers, Md underwriters  
 266 Newsboys  
 270 Real estate agents and brokers  
 271 Stock and bond salesmen  
 280 Salesmen and sales clerks n.e.c.<sup>1</sup>

**CLERICAL AND KINDRED WORKERS**

301 Bank tellers  
 303 Billing clerks  
 P (305) Bookkeepers  
 310 Cashiers  
 311 Clerical assistants, social welfare  
 312 Clerical supervisors, n.e.c.  
 313 Collectors, bill and account  
 314 Counter clerks, except food  
 315 Dispatchers and starters, vehicle  
 320 Enumerators and interviewers  
 321 Estimators and investigators, nac.  
 323 Expeditors and production controllers  
 325 File clerks  
 326 Insurance adjusters, examiners, and investigators  
 330 Library attendants and assistants  
 331 Mail carriers, post office  
 332 Mail handlers, except post office  
 333 Messengers and offii boys  
 334 Meter readers, utilities  
 Offii machine operators  
 341 Bookkeeping and billing machine operators  
 342 Calculating machine operators  
 343 Computer and peripheral equipment operators  
 344 Duplicating machine operators

<sup>1</sup> Category "280 Salesmen and sales clerks, n.e.c." was subdivided in the Census into 5 occupation groups dependent on industry. The industry codes are shown in parentheses.

**Occ. Code**  
 281 Sales representatives, manufacturing industries (Ind. 107-399)  
 282 Sales representatives, wholesale trade (Ind. 017-058, 507-599)  
 283 Sales clerks retail trade (Ind. 608-699, 618, 639, 649, 667, 668, 688)  
 284 Salesmen, retail trade (Ind. 607, 618, 639, 649, 667, 668, 688)  
 285 Salesmen of services end construction (Ind. 067-078, 407-499, 707-947)

Occupation Code	CLERICAL AND KINDRED WORKERS-Continued	Occupation Code	CRAFTSMEN AND KINDRED WORKERS- Continued
	Office machine operators-Continued		
345	Key punch operators	453	Jewelers and watchmakers
350	Tabulating machine operators	454	Job and die <b>setters, metal</b>
355	Office machine operators, <b>n.e.c.</b>	455	Locomotive engineers
360	Payroll and timekeeping clerks	456	Locomotive firemen
361	Postal clerks	461	Machinists
362	Proofreaders	462	Machinist apprentices
363	<b>Real estate appraisers</b>		Mechanics and repairmen
364	Receptionists	470	Air conditioning heating, and refrigeration
	Secretaries	471	Aircraft
370	Secretaria. legal	472	Automobile body <b>repairmen</b>
371	Secretaries, medial	s (473)	Automobile mechanics
Q (372)	Secretaries. <b>n.e.c.</b>	474	Automobile <b>mechanic apprentices</b>
374	Shipping and receiving clerks	475	Data processing machine repairmen
375	Statistical clerks	480	Farm implement
376	Stenographers	481	Heavy equipment <b>mechanics, incl. diesel</b>
381	Stock clerks and storekeepers	482	Household appliance and <b>accessory installers and</b> mechanics
382	Teacher <b>aides, exc.</b> school monitors	483	Loom fixers
383	Telegraph messengers	484	Office <b>machine</b>
384	Telegraph operators	485	Radio and television
385	Telephone operators	466	Railroad and car shop
390	Ticket station, and express agents	491	<b>Mechanic, exc.</b> auto, apprentices
391	Typists	492	Miscellaneous <b>mechanics and</b> repairmen
392	Weighers	495	Not specified mechanics and repairmen
394	Miscellaneous clerical workers	501	Millers; grain, flour, and feed
395	Not specified clerical workers	502	Millwrights
	CRAFTSMEN AND KINDRED WORKERS	563	<b>Molders, metal</b>
		594	Molder <b>apprentices</b>
401	Automobile accessories installers	595	Motion picture projectionists
402	Bakers	506	Opticians, and lens grinders and polishers
403	Blacksmiths	510	<b>Painters, construction and maintenance</b>
404	Boilermakers	511	Painter apprentices
405	Bookbinders	512	Paperhangers
410	Brickmasons and stonemasons	514	Pattern and model <b>makg exc.</b> paper
411	Brickmasons and stonemasons, apprentices	515	Photoengravers and lithographers
412	Bulldozer operators	516	Piano and organ tuners and repairmen
413	Cabinetmakers	520	<b>Plasterers</b>
R (415)	Carpenters	521	Plasterer apprentice <sup>8</sup>
416	Carpenter apprentices	522	Plumbers and pipe fitters
420	Carpet installers	523	Plumber and pipe fitter apprentices
421	Cement and concrete finishers	525	Power station operators
422	Compositors and typesetters	530	Pressmen and plate <b>printers, printing</b>
423	Printing trades apprentices, <b>exc.</b> pressmen	531	Pressman apprentices
424	Cranemen, derrickmen, and hoistmen	533	Rollers and <b>finishers, metal</b>
425	Decorators and window dressers	534	Roofers and <b>daters</b>
426	Dental laboratory technicians	535	<b>Sheetmetal workers and</b> tinsmiths
430	Electricians	536	Sheetmetal apprentices
431	Electrician apprentices	540	Shipfitters
433	Electric power linemen and cablemen	542	Shoe repairmen
434	<b>Electrotypers</b> and stereotypes	543	Sign painters and letterers
435	Engravers, <b>exc.</b> photoengravers	545	Stationary engineers
436	Excavating, grading, and road machine operators; <b>exc.</b> bulldozer	546	Stone cutters end stone carvers
		550	Structural metal craftsmen
449	Floor layers, <b>exc.</b> tile setters	551	<b>Tailors</b>
441	Foremen, n.e.c.	552	Telephone installers and repairmen
442	<b>Forgemen</b> and hammermen	554	Telephone linemen and splicers
443	Furniture and wood finishers	560	Tile setters
444	Furriers	561	Tool and die makers
445	<b>Glaziers</b>	562	Tool and die maker apprentices
446	Heat treaters, annealen, and temperers	563	<b>Upholsters</b>
459	<b>Inspectors, scalers, and graders; log and lumber</b>	571	Specified craft apprentices, <b>n.e.c.</b>
452	Inspection, n.8.c.	572	Not specified apprentices

575 Craftsmen and kindred workers, **n.e.c.**  
 580 Former members of the Armed Forces

701 Boatmen and canalmen  
 703 Bus drivers  
 704 Conductors and motormen, urban rail transit  
 705 Deliverymen and routemen  
 706 Fork lift and tow motor operatives  
 710 Motormen; mine, factory, logging camp, etc.  
 711 Parking attendants  
 712 Railroad brakemen  
 713 Railroad switchmen  
 714 Taxicab drivers and chauffeurs  
 u (715) Truck drivers

OPERATIVES, EXCEPT TRANSPORT

601 Asbestos and insulation workers  
**T (602)** Assemblers  
 693 Blasters and powdermen  
 604 Bottling and canning operatives  
 605 Cheinmen, rodmen, and axmen; surveying  
 610 Checkers, examiners, and inspectors; manufacturing  
 611 Clothing ironers and pressers  
 612 Cutting operatives, **n.e.c.**  
 613 Dressmakers and seamstresses, except factory  
 614 Drillers, earth  
 615 Dry wall installers and lathers  
 620 Dyers  
 621 Filers, polishers, sanders, and buffers  
 622 Fumacemen, smeltermen, and pourers  
 623 Garage workers and gas station attendants  
 624 Graders and sorters, manufacturing  
 625 Produce graders and packers, except factory and farm  
 626 Heaters, metal  
 630 Laundry and dry cleaning operatives, **n.e.c.**  
 631 Meat cutters and butchers, **exc.** manufacturing  
 633 Meat cutters and butchers, manufacturing  
 634 Meat wrappers, retail trade  
 635 Metal platers  
 636 Milliners  
 640 Mine operatives, **n.e.c.**  
 641 Mixing operatives  
 642 Oilers and greasers, **exc.** auto  
 643 Packers and wrappers, except meat and produce  
 644 Painters, manufactured articles  
 645 Photographic process workers  
 Precision machine operatives  
 650 Drill press operatives  
 651 Grinding machine operatives  
 652 Lathe and milling machine operatives  
 653 Precision machine operatives, **n.e.c.**  
 656 Punch and stamping press operatives  
 660 Riveters and fasteners  
 661 Sailors and deckhands  
 662 Sawyers  
 663 Sewers and stitchers  
 664 Shoemaking machine operatives  
 665 Solderers  
 666 Stationary firemen  
 Textile operatives  
 670 Carding, lapping, and combing operatives  
 671 Knitters, loopers, and toppers  
 672 Spinners, twisters, and winders  
 673 Weavers  
 674 Textile operative **n.e.c.**  
 680 Welders and flame-cutters  
 681 Winding operatives, **n.e.c.**  
 690 Machine operatives, miscellaneous specified  
 692 Machine operatives, not specified  
 694 Miscellaneous operatives  
 695 Not specified operatives

LABORERS, EXCEPT FARM

740 Animal caretakers, **exc.** farm  
 750 Carpenters' helpers  
 v (751) Construction laborers, **exc.** carpenters' helpers  
 762 Fishermen and oystermen  
 753 Freight and material handlers  
 754 Garbage collectors  
 755 Gardeners and groundskeepers, **exc.** farm  
 760 Longshoremen and stevedores  
 761 Lumbermen, raftsmen, and woodchoppers  
 762 Stock handlers  
 763 Teamsters  
 754 Vehicle washers and equipment cleaners  
 770 Warehousemen, **n.e.c.**  
 780 Miscellaneous laborers  
 785 Not specified laborers

FARMERS AND FARM MANAGERS

W (801) Farmers (owners and tenants)  
 802 Farm managers

FARM LABORERS AND FARM FOREMEN

821 Farm foremen  
 822 Farm laborers, wage workers  
 823 Farm laborers, unpaid family workers  
 824 Farm service laborers, self-employed

SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD

Cleaning service workers  
 901 Chambermaids and maids, except private household  
 902 Cleaners and charwomen  
 X (903) Janitors and sextons  
 Food service workers  
 910 Bartenders  
 911 Busboys  
 912 Cooks, except private household  
 913 Dishwashers  
 914 Food counter and fountain workers  
 Y (915) Waiters  
 916 Food service workers, **n.e.c.**, except private household

**Occu-  
pation  
code**

**SERVICE WORKERS, EXC. PRIVATE  
HOUSEHOLD-Continued**

	Health service workers
921	Dental assistants
922	Health aides, <b>exc. nursing</b>
923	Health trainees
924	Lay midwives
925	Nursing aides, orderlies, and attendants
926	Practical nurses
	Personal service workers
931	Airline stewardesses
932	Attendants, recreation and amusement
933	Attendants, personal service, ne.c.
934	Baggage porters and bellhops
935	Barbers
940	Boarding and lodging house keepers
941	Bootblacks
942	Child care workers, <b>exc. private household</b>
943	Elevator operators
944	Hairdressers and cosmetologists
945	Personal service apprentices
950	Housekeepers, <b>exc. private household</b>
952	School monitors
953	Ushers, recreation and amusement
954	Welfare service aides
	Protective service workers
960	Crossing guards and bridge tenders
961	Firemen, fire protection
962	Guards and watchmen
963	Marshals and constables
964	Policemen and detectives
965	Sheriffs and bailiffs

**Appendix A.4**

**PRIVATE HOUSEHOLD WORKERS**

**Occu-  
pation  
Code**

980	Child care workers, private household
981	Cooks, private household
982	Housekeepers, private household
983	Laundresses, private household
Z (984)	Maids and servants, private household
995	OCCUPATION NOT REPORTED'
	ALLOCATION CATEGORIES'
196	Professional, technical, and kindred workers-allocate
246	Managers and administrators, except farm-allocated
296	Sales workers-allocated
396	Clerical and kindred workers-allocated
586	Craftsmen and kindred workers-allocated
696	Operatives, except transport-allocated
726	Transport equipment operatives-allocated
796	Laborers, except farm-allocated
806	Farmers and farm managers-allocated
846	Farm laborers and farm foremen-allocated
976	Service workers, <b>exc. private household-allocated</b>
986	Private household workers-allocated

'This code is used to identify not reported occupations in surveys where the not reported cases are not allocated

'Those returns from the Population Census which do not have an occupation entry are allocated among the major occupation groups during computer processing. These cases are labeled with the code for the "allocation" category to which they are assigned (See text, page IV).

Short List of 88 Occupations for Men  
(adapted from the 1970 Census  
Intermediate Occupational Classification)

<u>Code</u>	<u>Description</u>
01	Accountants (001)
02	Architects (002)
03	Computer Specialists (003-005)
04	Engineers (006, 010-015, 020-023)
05	Lawyers and judges (030-031)
06	Chemists (045)
07	Other life and physical scientists (042-044, 051-054)
08	Dentists (062)
09	Pharmacists (064)
10	Physicians, medical and osteopathic (065)
11	Other related health practitioners (061, 063, 071-073)
12	Health technologists and technicians (080-085)
13	Religious workers (086, 090)
14	Social scientists (091-096)
15	Social and recreation workers (100-101)
16	Teachers (102-105, 110-116, 120-126, 130-135, 140-145)
17	Engineering, science and other technicians (150-156, <b>161-</b> 165, 170-173)
18	Writers, artists and entertainers (175, 180-185, 190-194)
19	Other professional, technical, and kindred workers (024- 026, 032-036, 055-056, 074-076, 174, 195-196)
20	Buyers, purchasing agents, and sales managers (203, 205, 225, 231, 233)

## Short List of 88 Occupations for Men

<u>Code</u>	<u>Description</u>
21	School administrators (235, 240)
22	Specified managers and administrators, public administration (201, 213, 215, 222, 224)
23	Other specified managers and administrators (202, 210-212, 216, 221, 223, 226, 230)
24	Managers and administrators, n.e.c. (220, 245-246)
25	Insurance agents, brokers, and underwriters (265)
26	Real estate agents and brokers (270)
27	Other sales workers (260-262, 264, 266, 271)
28	Salesmen and sales clerks, n.e.c. (280-285, 296)
29	Bank tellers and cashiers (301, 310)
30	Bookkeepers and billing clerks (303, 305)
31	Mail handlers and postal clerks (331-332, 361)
32	Other clerical and kindred workers (311-315, 320-326, 330, 333-334, 341-345, 350, 360, 362-364, 370, 372, 374-376, 381-385, 390-396)
33	Apparel craftsmen and upholsterers (444, 551, 563)
34	Bakers (402)
35	Cabinetmakers (413)
36	Carpenters (415-416)
37	<b>Excavating</b> , grading, and road machine operators (412, 436)
38	Electricians (430-431)
39	Masons and tile setters (410-411, 560)
40	Painters, construction and maintenance; and paperhangers (510-512)
41	Plasterers and cement finishers (421, 520-521)

## Short List of 88 Occupations for Men

<u>Code</u>	<u>description</u>
42	Plumbers and pipe fitters (522-523)
43	Other construction craftsmen (440, 534, 550)
44	Foremen, n.e.c. (441)
45	Linemen and servicemen, telephone and power (433, 552, 554)
46	Locomotive engineers and firemen (455-456)
47	Mechanics and repairmen, automobile, including body (472-474)
48	Other mechanics and repairmen (470-471, 475, 480-486, 491-492, 495)
<b>49</b>	Machinists and job and die setters (454, 461-462)
50	Sheetmetal workers and tinsmiths (535-536)
51	Tool and die makers (561-562)
52	Other metal <b>craftsmen</b> (403-404, 442, 446, 502-504, 514, 533, 540)
53	Printing craftsmen (405, 422-423, 434, 515, <b>530-531</b> )
54	Stationary engineers and power station operators (525, 545)
55	Other craftsmen and kindred workers (401, 420, 424-426, 435, 443, 445, 450, 452, 453, 501, 505-506, 516, 542-543, 546, 571-572, 575, 580, 586)
56	Assemblers (602)
57	Checkers, examiners, and inspectors: manufacturing (610)
<b>58</b>	Garage workers and gas station attendants (623)
<b>59</b>	Laundry and dry cleaning operatives, n.e.c. (630)
60	Meat cutters and butchers (631, 633)
61	Mine operators, n.e.c. (640)



## Short List of 88 Occupations for Men

<u>Code</u>	<u>Description</u>
62	Packers and wrappers, except produce (634, 643)
63	Painters, manufactured articles (644)
64	Precision machine operatives (650-653)
65	Sawyers (662)
66	Stationary firemen (666)
67	Textile operatives ( <b>670-674</b> )
68	Welders and flamecutters (680)
69	Other metal working operaives (621-622, 626, 635, 656, 660, 665)
70	Other specified operative, n.e.c. (601, 603-605, 611-615, 620, 624-625, 636, 641-642, 645, 661, 663-664, 681, 696)
71	Miscellaneous and not specified operatives (690, 692, 694-695)
72	Bus drivers (703)
73	Taxicab drivers and chauffeurs (714)
74	Truck drivers and deliverymen (705, 715)
75	Other transport equipment operatives (701, 704, 706, 710-713, 726)
76	Construction laborers (750-751)
77	Freight, stock, and material handlers (753-754, 760, 762, 770)
78	Other specified laborers (740, 752, 755, 761, 763-764, 796)
<b>79</b>	Miscellaneous and not specified laborers (780, 785)
80	Farmers and farm managers (801-802, 806)
81	Farm laborers and farm foremen (821-824, 846)
82	Cleaning service workers (901-903)

## Short List of 88 Occupations for Men

<u>Code</u>	<u>Description</u>
83	Food service workers (910-916)
84	Health service workers (921-926)
85	Personal service workers (931-935, 940-945, 950, 952-954)
86	Protective service workers <b>(960-965)</b>
87	Service workers, except private household • allocated (976)
88	Private household workers (980-984, 986)

Short List of 59 Occupations for Women  
(adapted from the 1970 Census  
Intermediate Occupational Classification)

<u>Code</u>	<u>Description</u>
01	Accountants (001)
02	Computer Specialists (003-005)
03	Librarians (032-033)
04	Mathematical specialists (034-036)
05	Life and physical scientists (042-045, 051-054)
06	Nurses, dietitians, and therapists (074-076)
07	Health technologists and technicians (080-085)
08	Social scientists (091-096)
09	Social and recreation workers (100-101)
10	Teachers (102-105, 110-116, 120-126, 130-135, 140-145)
11	Technicians (150-156, 161-165, 170-173)
12	Writers, artists, and entertainers (175, 180-185, 190-194)
13	Other professional, technical and kindred workers (002, 006, <b>010-015</b> , 020-026, 030-031, <b>055</b> , 056, 061-065, 071-073, 086, 090, 174, 195-196)
14	Buyers, purchasing agents, and sales managers (203, 205, 225, 231, 233)
1 5	Restaurant, cafeteria, and bar managers (230)
16	School administrators (235, 240)
17	All other managers and administrators (201-202, 210-213, <b>215-216</b> , 220-224, 226, 245, 246)
18	Demonstrators, hucksters, and peddlers (262, 264)
19	Insurance, real estate agents, and brokers (265, 270)
20	Sales clerks, retail trade (283)
21	Salesmen, retail trade (284)

## Short List of 59 Occupations for Women

<u>Code</u>	<u>Description</u>
22	Other sales workers (260-261, 266, 271, <b>280-282</b> , 285, 296)
23	Bank tellers (301)
24	Bookkeepers (305)
25	Cashiers (310)
26	Counter clerks, except food (314)
27	Enumerators and interviewers (320)
28	File clerks (325)
29	Office machine operators (341-345, 350, 355)
30	Payroll and timekeeping clerks (360)
31	Receptionists (364)
32	Secretaries (370-372)
33	Stenographers (376)
34	Telephone Operators (385)
35	Typists (391)
36	Other clerical and kindred workers (303, 311-313, 315, 321, 323, 326, 330-334, 361-363, 374-375, 381-384, 390, 392, 394-396)
37	Foremen, n.e.c. (441)
38	Other craftsmen and kindred workers (401-405, 410-416, 420-426, 430-431, 433-436, 440, 442-446, 450, 452-456, 461-462, 470-475, 480-486, 491-492, 495, 501-506, 510-516, 520-525, 530-536, 540, 542-543, 545-546, 550-552, 554, 560-563, 571-572, 575, 580, 586)
<b>39</b>	Assemblers (602)
40	Bottling and canning operatives (604)
41	Checkers, examiners, and inspectors; manufacturing (610)

## Short List of 59 Occupations for Women

<u>Code</u>	<u>Description</u>
42	Dressmakers and seamstresses, except factory (613)
43	Laundry and dry cleaning operatives, including ironers (611, 630)
44	Graders and sorters, manufacturing (624)
45	Packers and wrappers, except produce (634, 643)
46	Sewers and stitchers (663)
47	Textile operatives (670-674)
48	All other operatives (601, 603, 605, 612, 614-615, 620-623, 625-626, 631, 633, 635-636, 640-642, 644-645, 650-653, 656, 660-662, 664-666, 680-681, 690, 692, 694-696)
49	Transport equipment operatives (701, 703-706, <b>710-715</b> , 726)
50	Laborers, except farm (740, 750-755, 760-764, 770, 780, 785, 796)
51	Farmers and farm managers (801-802, 806)
52	Farm laborers and farm foreman (821-824, 846)
53	Cleaning service workers except private household ( <b>901-903</b> )
54	Cooks, except private household (912)
55	Waitresses and food counter workers (910-911, 913-916)
56	Health service workers (921-926)
57	Hairdressers and cosmetologists (944)
58	Other personal service workers and protective service workers (931-935, 940-943, 945, 950, 952-954, 960-965, 976)
59	Private household workers (980-984, 986)

## INDUSTRIAL CLASSIFICATION SYSTEM

Equivalent numeric codes follow the alphabetic codes. Either code may be utilized, depending upon the processing method. Numbers in parentheses following the industry categories are the SIC definitions. "N.e.c." means "not elsewhere classified."

Industry Code	AGRICULTURE, FORESTRY, AND FISHERIES	Industry Code	MANUFACTURING-Continued
A (017)	Agricultural production (01)	168	Miscellaneous fabricated metal products (041,343, 347, 348, 349)
018	Agricultural services, except horticultural (07 except 0713 and 073)	189	Not specified metal industries
019	Horticultural services (073)		<b>Machinery, except electrical</b>
027	Forestry (08)	177	Engines and turbines (351)
628	Fisheries (09)	178	Farm machinery and equipment (362)
		179	Construction and material handling machines (353)
	<b>MINING</b>	187	Metalworking machinery (364)
047	Metal mining (10)	188	Office and accounting machines (357 except 3573)
048	Coal mining (11, 12)	189	Electronic computing equipment (3573)
049	Crude petroleum and natural gas extractions (13)	197	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
057	Nonmetallic mining and quarrying, except fuel (14)	198	Not specified machinery
			Electrical machinery, equipment, and supplies
	<b>CONSTRUCTION</b>	199	Household appliances (363)
067	General building contractors (15)	297	Radio, T.V., and communication equipment (365, 366)
068	General contractors, except building (16)	298	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
B (069)	Special trade contractors (17)	269	Not specified electrical machinery, equipment and supplies
077	Not specified construction		<b>Transportation equipment</b>
	<b>MANUFACTURING</b>		Motor vehicles and motor vehicle equipment (371)
	Durable goods	219	Aircraft and parts (372)
	Lumber and wood products, except furniture	227	Ship and boat building and repairing (373)
107	Logging (241)	228	Railroad locomotives and equipment (374)
108	Sawmills, planing mills, and mill work (242, 243)	229	Mobile dwellings and campers (3791)
109	Miscellaneous wood products (244,249)	237	<b>Cycles and miscellaneous transportation equipment (375, 3799)</b>
118	Furniture and fixtures (25)	238	<b>Professional and photographic equipment and watches</b>
	Stone, clay, and glass products		Scientific and controlling instruments (381, 382)
119	Glass and glass products (321-323)	239	Optical and health services supplies (383, 384, 385)
127	Cement, concrete, gypsum, and plaster products (324,327)	247	<b>Photographic equipment and supplies (386)</b>
128	Structural clay products (325)	248	<b>Watches, clocks, and clockwork-operated devices (387)</b>
137	Pottery and related products (326)	249	Not specified professional equipment
138	Miscellaneous nonmetallic mineral and stone products (328,329)	257	ordnance (19)
	Metal industries	258	<b>Miscellaneous manufacturing industries (39)</b>
139	Blast furnaces, steel works, rolling and finishing mills (3312, 3313)	259	
147	Other primary iron and steel industries (3315-3317, 332, 3391, part 3399)		Nondurable goods
148	Primary aluminum industries (3334, part 334, 3352, 3361, part 3392, part 3399)		Food and kindred products
149	Other primary nonferrous industries (33313333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, part 3392, part 3399)	268	Meat products (201)
157	Cutlery, hand tools, and other hardware (342)	269	Dairy products (202)
158	Fabricated structural metal products (344)	278	Canning and preserving fruits, vegetables, and sea foods (203)
159	Screw machine products (345)	279	Grain-mill products (294, 0713)
167	Metal stamping (346)	287	Bakery products (205)
		288	Confectionery and related products (207)

Industry Code	MANUFACTURING-Continuad
289	Beverage industries (208)
297	Miscellaneous food preparation and kindrad products (206,209)
298	Not specified food industries
299	Tobacco manufactures (21)
	Textile mill products
307	Knitting mills (225)
308	Dyeing and finishing textiles, except wool and knit goods (226)
309	Floor coverings, axcapt hard surface (227)
317	Yarn, thread, and fabric mills (221-224,228)
318	Miscellanaous textile mill products (229)
	Apparel and other fabricated textile products
c (319)	Apparel md accessories (231-238)
327	Miscellaneous fabricated textile products (239)
	Paper and allied products
328	Pulp, paper, and paparboard mills (261263, 266)
329	Miscellanaous paper and pulp products (264)
337	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
338	Newspaper publishing and printing (271)
339	Printing, publishing and allied industries, except newspapers (272-279)
	Chemicals and allied products
347	Industrial chemicals (281)
348	Plastics, synthetics and resins, except fibers (282, except 2823 and 2824)
349	Synthetic fibers (2823, 2824)
357	Drugs and medicines (283)
358	Soaps and cosmetics (284)
359	Paints, varnishes, and related products (285)
367	Agricultural chemicals (287)
368	Miscellaneous chemicals (286, 289)
369	Not specified chemicals and allied products
	Petroleum and coal products
377	Petroleum refining (201)
378	Miscellaneous petroleum and coal products (295, 299)
	Rubber and miscellaneous plastic products
379	Rubber products (301-303, 306)
387	Miscellaneous plastic products (307)
	Leather and leather products
388	Tanned, curried, and finished leather (311)
389	Footwear, except rubber (313,314)
397	Leather products, except footwear (312, 315317, 319)
398	<u>Not specified manufacturing industries</u>

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transponation

D (407)	Railroads and railway express service (40)
498	Street railways and bus lines (411, 413-415, 417)
409	Taxicab service (412)
417	Trucking service (421,423)
418	Warehousing and storage (422)
419	Water transportation (44)
427	Air transportation (45)
428	Pipe lines, except natural gas (46)
429	Services incidental to transportation (47)

VIII

Attachment D.2  
industry Code TRANSPORTATION, COMMUNICATIONS, AN  
OTHER PUBLIC UTILITIES-Continued

	<u>Communications</u>
447	Radio broadcasting and television (483)
448	Telephone (wire and radio) (481)
449	Telegraph and miscellaneous communication services (482,489)
	<u>Utilities and sanitary services</u>
467	Electric light and power (491)
468	Electric-gas utilities (493)
469	Gas and steam supply systems (492, 496)
477	Watar supply (494)
478	Sanitary services (495)
479	Other and not specified utilitias (497)
	WHOLESALE AND RETAIL TRADE
	<u>Wholesale trade</u>
507	Motor vehicles and equipment (501)
508	Drugs, chemicals, and allied products (502)
509	Dry goods and apparel (503)
527	Food and related products (504)
528	Farm products-raw materials (505)
529	Electrical goods (508)
537	Hardware, plumbing, and heating supplies (507)
538	Not specified electrical and hardware products
539	Machinery equipment and supplies (508)
557	Metals and minerals, n.e.c. (5091)
558	Petroleum products (5092)
559	Scrap and waste materials (5093)
567	Alcoholic beverages (5095)
568	Paper and its products (5096)
569	Lumber and construction materials (5098)
587	Wholesalers n.e.c. (5094, 5097, 5099)
588	Not specified wholesale trade
	<u>Retail trade</u>
607	Lumber and building material retailing (521-524)
608	Hardware and farm equipment stores (525)
E (609)	Department and mail order establishments (531,532)
617	Limited price variety stores (533)
618	Vending machine operators (534)
619	Direct selling establishments (535)
627	Miscellaneous general merchandise stores (539)
F (628)	Grocery stores (541)
629	Dairy products stores (545)
637	Retail bakeries (546)
6 3 8	Food stores, n.e.c. (542-544, 549)
639	Motor vehicle dealers (551,552).
647	Tire, battery, and accessory dealers (553)
648	Gasoline service stations (554)
649	Miscellaneousvehicle dealers (559)
657	Apparel and accessories stores, except shoe stores (56 except 566)
658	Shoe stores (566)
667	Furniture and home furnishings stores (571)
668	Household appliances, TV, and radio stores (572, 573)
G (669)	Eating and drinking places (58)
677	Drug stores (591)

Retail trade-Continued

676 Liquor stores (592)  
679 Farm and garden supply stores (596)  
667 Jewelry stores (597)  
688 Fuel and ice dealers (598)  
689 Retail florists (5992)  
697 Miscellaneous retail stores (593595,599 exc. 5992)  
698 Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

707 Banking (60)  
708 Credit agencies (6 1)  
709 Security, commodity brokerage, and investment companies (62, 67)  
717 Insurance (63, 64)  
718 Real estate, incl. real estate-insurance-law offices (65, 66)

BUSINESS AND REPAIR SERVICES

7 2 7 Advertising (731)  
728 Services to dwellings and other buildings (734)  
729 Commercial research, development, and testing labs (7391, 7397)  
737 Employment and temporary help agencies (736, 7398)  
738 Business management and consulting services (part 7392)  
739 Computer programing services (part 7392)  
747 Detective and protective services (7393)  
748 Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)  
749 Automobile &vices, except repair (751, 752, 754)  
757 Automobile repair and related services (753)  
758 Electrical repair shops (762, 7694)  
759 Miscellaneous repair services (763, 764, 769, except 7694)

PERSONAL SERVICES

H (769) Private households (88)  
777 Hotels and motels (701)  
778 Lodging places, except hotels and motels (702, 703, 704)  
779 Laundering, cleaning, and other garment services (721,727)  
787 Beauty shops (723)  
788 Barber shops (724)  
789 Shoe repair shops (725)  
797 Dressmaking shops (part 729)  
798 Miscellaneous personal services (722,726, part 729)

ENTERTAINMENT AND RECREATION SERVICES

807 Theaters and motion pictures (78,792)  
808 Bowling alleys, billiard and pool parlors (793)  
809 Miscellaneous entertainment and recreation services (791, 794)

828 Offices of physicians (801, 803)  
829 Off ices of dentists (802)  
837 Offices of chiropractors (804)  
J (838) Hospitals (806)  
839 Convalescent institutions (8092)  
847 Offices of health practitioners, n.e.c. (part 8099)  
848 Health services, n.e.c. (807, part 8099)  
849 Legal services (81)  
K (857) Elementary and secondary schools (821)  
858 Colleges and universities (822)  
859 Libraries (823)  
867 Educational services, n.e.c. (824,829)  
868 Not specified educational services  
869 Museums, ut galleries, and zoos (84)  
877 Religious organizations (866)  
878 Welfare services (part 867)  
879 Residential welfare facilities (part 667)  
887 Nonprofit membership organizations (861-865, 869)  
888 Engineering and architectural services (891)  
889 Accounting, auditing, and bookkeeping services (893)  
897 Miscellaneous professional and related services (892, 899)

PUBLIC ADMINISTRATION

907 Postal service (part 9190)  
L (917) Federal public administration (part 9190,9490)  
927 State public administration (9290)  
M (937) Local public administration (9390)

999 INDUSTRY NOT REPORTED<sup>1</sup>

ALLOCATION CATEGORIES<sup>2</sup>

029 Agriculture, forestry, and fisheries-allocated  
058 Mining-allocated  
078 Construction-allocated  
267 Manufacturing, durable goods-allocated  
399 Manufacturing, nondurable goods-allocated  
499 Transportation, communications, and other public utilities-allocated  
599 Wholesale trade-allocated  
699 Retail trade-allocated  
719 Finance, insurance, and real estate-allocated  
767 Business and repair services-allocated  
799 Personal services—allocated  
817 Entertainment and recreation services—allocated  
899 Professional and related sewices-allocated  
947 Public administration-allocated

<sup>1</sup>This code is used to identify not reported industries in surveys where the not reported cases are not allocated.

<sup>2</sup>Those returns from the Population Census which do not have an industry entry are allocated among the major industry groups during computer processing These cases are labeled with the code for the "allocation" category to which they are assigned. (See text, page IV).



Short List of 83 Industries  
(adapted from the 1970 Census  
Intermediate Industrial Classification)

<u>Code</u>	<u>Description</u>
01	Agriculture (017-019, 029)
02	Forestry and fisheries (027-028)
03	Mining (047-049, 057-058)
04	Construction (067-069, 077-078)
05	Logging (107)
06	Sawmills, planing mills, and mill work (108)
07	Miscellaneous wood products (109)
08	Furniture and fixtures (118)
09	Cement, concrete, gypsum, and plaster products (127)
10	Other stone, clay, and glass products (119, 128, 137-138)
11	Primary iron and steel industries (139, 147)
12	Primary aluminum industries (148)
13	Other primary nonferrous industries (149)
14	Fabricated metal industries, including not specified metal (157-159, 167-169)
15	Machinery, except electrical (177-179, 187-189, 197-198)
16	Radio, television, and communication equipment (207)
17	Other and not specified electrical machinery, equipment, and supplies (199, 208-109)
18	Motor vehicles and motor vehicle equipment (219)
19	Aircraft and parts (227)
20	Ship and boat building and repairing (228)
21	Other transportation equipment (229, 237-238)
22	Professional and photographic equipment, and watches (239, 247-249, 257)

## Short List of 83 Industries

<u>Code</u>	<u>Description</u>
23	Ordnance (258)
24	Miscellaneous manufacturers and durable goods--allocated (259, 267)
25	Meat products (268)
26	Dairy Products (269)
27	Canning and preserving produce, seafoods and beverages (278, 289)
28	Grain-mill products (279)
29	Bakery products (287)
30	Confectionery and related products (288)
31	Miscellaneous and not specified food preparation and kindred products (297-298)
32	Yarn, thread, and fabric mills (317)
33	Other textile mill products (307-309, 318)
34	Apparel and other fabricated <b>textile products</b> (319, 327)
35	Paper and allied products (328-329, 337)
36	Printing, publishing, and allied industries (338-339)
37	Industrial chemicals (347)
3 8	Other and not specified chemicals and allied products (348-349, 357-359, 367-369)
39	Petroleum and coal products (377-378)
40	Rubber and miscellaneous plastic products (379, 387)
41	Other nondurable goods (299, 388-389, 397, 399)
42	Not specified manufacturing industries (398)
43	Railroads and railway express service (407)
44	Street railways and bus lines (408)

## Short List of 83 Industries

<u>Code</u>	<u>Description</u>
45	Trucking service and warehousing (417-418)
46	Water transportation (419)
47	Air transportation (427)
48	All other transportation (409, 428-429)
49	Communications (447-449)
50	Electric and gas utilities (467-469)
51	Water supply, sanitary services, and other utilities (477-479)
52	Transportation, communications, and other public utilities--allocated (499)
53	Wholesale trade--food and farm products (527-528)
54	Other wholesale trade (507-509, 529, 537-539, 557-559, 567-569, 587-588, 599)
55	Hardware, farm equipment, and building material retailing (607-608)
56	General merchandise stores (609, 617-619, 627)
57	Food stores (628-629, 637-638)
58	Motor vehicles and accessories retailing (639, 647, 649)
59	Gasoline <b>service stations</b> (648)
60	Apparel and accessories stores (657-658)
61	Furniture, home furnishings, and equipment stores (667-668)
62	Eating and drinking places (669)
63	Drug stores (677)
64	Other retail trade (678-679, 687-689, 697-699)
65	Banking and credit agencies (707-708)

## Short List of 83 Industries

<u>Code</u>	<u>Description</u>
66	Insurance (717)
67	Other finance and real estate (709, 718-719)
68	Advertising (727)
69	Commercial research, management, and programming services (729, 738-739)
70	Automobile services (749, 757)
71	Other business and repair services (728, 737, 747-748, 758-759, 767)
72	Private households (769)
73	Hotels and lodging places (777-778)
74	Laundering, cleaning, and other garment services (779)
75	Barber and beauty shops (787-788)
76	Other personal services (789, 797-799)
77	Entertainment and recreation services (807-809, 817)
78	Health services (828-829, 837-839, 847-848)
79	Educational services (857-859, 867-868)
80	Welfare, religious, and nonprofit membership organizations (877-879, 887)
81	Other professional and related services (849, 869, 888-889, 897, 899)
82	Postal service (907)
83	All other public administration (917, 927, 937, 947)