Occupation and Industry Coding in HRS/AHEAD
(Health and Retirement Study Documentation Report DR-021)

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I. Brief Overview of HRS/AHEAD Occupation and Industry Codes

The Health and Retirement Study (HRS) and Asset and HEAlth Dynamics Among the Oldest Old (AHEAD) studies were created as separate but related surveys. In its original conceptualization, the HRS survey was designed to follow age-eligible individuals and their spouses or partners as they made the transition from active worker into retirement; the AHEAD survey was designed to examine the dynamic interactions between health, family, and economic variables, in the post-retirement period at the end of life. Both studies obtain detailed information in a number of domains: demographics, health status, housing, family structure, employment of respondent, work history and current employment, disability, retirement plans, net worth, income, and health and life insurance.


Over the years, three different codeframes have been used to classify occupation and industry.

1. For AHEAD data collections in 1993 and 1995, occupation was coded using the SRC 2-Digit Occupation Code (adapted from the 1980 U. S. Census Occupation Code) which masked for public release. Unmasked codes have not been released. Industry was not asked.


3. Beginning with the 2006 data collection, occupation was coded using the 3-digit 2000 U.S. Census Occupation Code and industry was coded using the 3-digit 2000 U. S. Census Industry Code; occupation and industry are masked for public release. Unmasked codes will be released only as restricted data.

This information is summarized in the table below.

---

1 Since the AHEAD and HRS masked occupation codeframes were not the same, for 1998, the first year that the AHEAD and HRS samples were merged for data collection, occupation for the AHEAD sample was masked using both the AHEAD and HRS masking schemes.
### Summary Table of Current Status of HRS/AHEAD Occupation and Industry Codes

<table>
<thead>
<tr>
<th>Wave</th>
<th>Content</th>
<th>Masked Codes (Public Release)</th>
<th>Original Codes</th>
<th>Unmasked Codes Available (Restricted Release)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1993 AHEAD (Wave 1) 1995 AHEAD (Wave 2)</td>
<td>Occupation</td>
<td>AHEAD 2-digit Occupation</td>
<td>SRC 2-digit Occupation</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Industry</td>
<td>N.A.</td>
<td>Not asked</td>
<td>N.A.</td>
</tr>
<tr>
<td>1992 HRS (Wave 1)</td>
<td>Occupation</td>
<td>HRS 2-digit Occupation</td>
<td>1980 Census 3-digit Occupation</td>
<td>Yes</td>
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<tr>
<td></td>
<td>Industry</td>
<td>HRS 2-digit Industry</td>
<td>1980 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
<tr>
<td>1994 HRS (Wave 2)</td>
<td>Occupation</td>
<td>HRS 2-digit Occupation</td>
<td>1980 Census 3-digit Occupation</td>
<td>Yes</td>
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<tr>
<td></td>
<td>Industry</td>
<td>HRS 2-digit Industry</td>
<td>1980 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
<tr>
<td>1996 HRS (Wave 2)</td>
<td>Occupation</td>
<td>HRS 2-digit Occupation</td>
<td>1980 Census 3-digit Occupation</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Industry</td>
<td>HRS 2-digit Industry</td>
<td>1980 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
<tr>
<td>1998 HRS</td>
<td>Occupation and AHEAD 2-digit Occupation</td>
<td>HRS 2-digit Occupation</td>
<td>1980 Census 3-digit Occupation</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Industry</td>
<td>HRS 2-digit Industry</td>
<td>1980 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
<tr>
<td>2000 HRS 2002 HRS 2004 HRS</td>
<td>Occupation</td>
<td>HRS 2-digit Occupation</td>
<td>1980 Census 3-digit Occupation</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Industry</td>
<td>HRS 2-digit Industry</td>
<td>1980 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
<tr>
<td>2006 HRS 2008 HRS</td>
<td>Occupation</td>
<td>HRS 2006 2-digit Occupation</td>
<td>2000 Census 3-digit Occupation</td>
<td>Yes</td>
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<tr>
<td></td>
<td>Industry</td>
<td>HRS 2006 2-digit Industry</td>
<td>2002 Census 3-digit Industry</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### II. Masked Codes


This codeframe was used for the 1993, 1995 and 1998 public data releases. The numbers in parenthesis in the codeframe below are the 1980 U. S. Census Occupation Codes that map into the code category.

1. Professional, technical workers (023-024, 026-027, 034-036,038-235)
2. Managers, officials and proprietors (003-019, 025, 028-033,037)
3. Clerical & kindred workers (303-389)
4. Sales workers (243-285)
6. Operatives & kindred workers (703-799, 804-834, 844-859)
7. Laborers and farm foremen (477-484, 486-489, 495-499, 864-889)
8. Service workers (403-407, 415, 426-469)
9. Farmers and farm managers (473-476)

This codeframe was used for the 1992, 1994, 1996, and 1998 through 2004 public data releases. The numbers in parenthesis are the 1980 U. S. Census Occupation Codes that map into the HRS code category.

01. Managerial specialty operation (003-037)
02. Professional specialty operation and technical support (043-235)
03. Sales (243-285)
04. Clerical, administrative support (303-389)
05. Service: private household, cleaning and building services (403-407)
06. Service: protection (413-427)
07. Service: food preparation (433-444)
08. Health services (445-447)
09. Personal services (448-469)
10. Farming, forestry, fishing (473-499)
11. Mechanics and repair (503-549)
12. Construction trade and extractors (553-617)
13. Precision production (633-699)
15. Operators: transport, etc. (803-859)
16. Operators: handlers, etc. (863-889)
17. Member of Armed Forces (900)

This codeframe was used for the 1992, 1994, 1996, and 1998 through 2004 public data releases. The numbers in parenthesis in the codeframe below are the 1980 U. S. Census Industry Codes that map into the HRS code category.

01. Agriculture, Forestry, Fishing (010-031)
02. Mining and Construction (040-060)
03. Manufacturing: Non-durable (100-222)
04. Manufacturing: Durable (230-392)
05. Transportation (400-472)
06. Wholesale (500-571)
07. Retail (580-691)
08. Finance, Insurance, and Real Estate (700-712)
09. Business and Repair Services (721-760)
10. Personal Services (761-791)
11. Entertainment and Recreation (800-802)
12. Professional and Related Services (812-892)
13. Public Administration (900-932)

**D. HRS 2006 Masked Occupation (2006 and 2008)**

This codeframe was used for the 2006 and beyond public data releases. The numbers in parenthesis are the 2000 U. S. Census Occupation Codes that map into the HRS code category.

01. Management Occupations (000-044)
02. Business Operations Specialists (050-073)
03. Financial Specialists (080-095)
04. Computer and Mathematical Occupations (100-124)
05. Architecture and Engineering Occupations (130-156)
06. Life, Physical, and Social Science Occupations (160-196)
07. Community and Social Services Occupations (200-206)
08. Legal Occupations (210-215)
09. Education, Training, and Library Occupations (220-255)
10. Arts, Design, Entertainment, Sports, and Media Occupations (260-296)
11. Healthcare Practitioners and Technical Occupations (300-354)
12. Healthcare Support Occupations (360-365)
13. Protective Service Occupations (370-395)
14. Food Preparation and Serving Occupations (400-416)
15. Building and Grounds Cleaning and Maintenance Occupations (420-425)
16. Personal Care and Service Occupations (430-465)
17. Sales Occupations (470-496)
18. Office and Administrative Support Occupations (500-593)
19. Farming, Fishing, and Forestry Occupations (600-613)
20. Construction Trades (620-676)
21. Extraction Workers (680-694)
22. Installation, Maintenance, and Repair Workers (700-762)
23. Production Occupations (770-896)
24. Transportation and Material Moving Occupations (900-975)
25. Military Specific Occupations (980-985)


This codeframe was used for the 2006 and beyond public data releases. The numbers in parenthesis are the 2002 U. S. Census Industrial Classification codes that map into the HRS code category.

01. Agriculture, Forestry, Fishing, and Hunting (017-029)
02. Mining (037-049)
03. Utilities (057-069)
04. Construction (077)
05. Manufacturing (continued) (107-399)
06. Wholesale Trade (407-459)
07. Retail Trade (467-579)
08. Transportation and Warehousing (607-639)
09. Information (647-679)
III. Programs for Creating Masked Codes from Unmasked Codes

A. AHEAD Masked Occupation

Two programs were used to create AHEAD masked codes from unmasked codes. The first was based on the SRC 2-digit occupation code. The second was based on the 1980 Census 3-digit occupation code.

1. AHEAD Masked Occupation from the SRC 2-Digit Occupation Code

In the SAS code below &vin is the unmasked occupation variable and &vout is the masked occupation variable. This code was used for 1993 and 1995.

```sas
if &vin eq . then &vout=.;
else if 10 <= &vin <= 19 then &vout=1;
else if &vin in(20 31) then &vout=2;
else if 40 <= &vin <= 41 then &vout=3;
else if &vin eq 45 then &vout=4;
else if 50 <= &vin <= 52 then &vout=5;
else if 61 <= &vin <= 62 then &vout=6;
else if 70 <= &vin <= 71 then &vout=7;
else if &vin in(73 75) then &vout=8;
else if 80 = &vin then &vout=9;
else if 98 = &vin then &vout=98;
else &vout=99;
```

2. AHEAD Masked Occupation from the 1980 Census 3-Digit Occupation Code

In the SAS code below &vin is the unmasked occupation variable and &vout is the masked occupation variable. This code was used for 1998 only.

```sas
if &vin eq . then &vout=.;
else if 023 <= &vin <= 024 then &vout=1;
else if 026 <= &vin <= 027 then &vout=1;
else if &vin eq 034 then &vout=1;
else if 038 <= &vin <= 235 then &vout=1;
else if 003 <= &vin <= 019 then &vout=2;
else if 025 = &vin then &vout=2;
else if 028 <= &vin <= 033 then &vout=2;
else if 037 = &vin then &vout=2;
else if 303 <= &vin <= 389 then &vout=3;
else if 243 <= &vin <= 285 then &vout=4;
```
else if 413 <= &vin <= 414 then &vout=5;
else if 416 <= &vin <= 425 then &vout=5;
else if 485 = &vin then &vout=5;
else if 494 = &vin then &vout=5;
else if 503 <= &vin <= 699 then &vout=5;
else if 803 = &vin then &vout=5;
else if 843 = &vin then &vout=5;
else if 863 = &vin then &vout=5;
else if 703 <= &vin <= 799 then &vout=6;
else if 804 <= &vin <= 834 then &vout=6;
else if 844 <= &vin <= 859 then &vout=6;
else if 477 <= &vin <= 484 then &vout=7;
else if 486 <= &vin <= 489 then &vout=7;
else if 495 <= &vin <= 499 then &vout=7;
else if 864 <= &vin <= 889 then &vout=7;
else if 403 <= &vin <= 407 then &vout=8;
else if 415 = &vin then &vout=8;
else if 426 <= &vin <= 469 then &vout=8;
else if 473 <= &vin <= 476 then &vout=9;
else if 998 = &vin then &vout=98;
else if 999 = &vin then &vout=99;
else &vout=98;

B. HRS Masked Occupation from the 1980 Census 3-Digit Occupation Code

In the SAS code below &vin is the unmasked occupation variable and &vout is the masked occupation variable. This code was used for 1992, 1994, 1996, and 1998 through 2004.

if &vin eq . then &vout=.;
else if 003 <= &vin <= 037 then &vout=1;
else if 043 <= &vin <= 235 then &vout=2;
else if 243 <= &vin <= 285 then &vout=3;
else if 303 <= &vin <= 389 then &vout=4;
else if 403 <= &vin <= 407 then &vout=5;
else if 413 <= &vin <= 427 then &vout=6;
else if 433 <= &vin <= 444 then &vout=7;
else if 445 <= &vin <= 447 then &vout=8;
else if 448 <= &vin <= 469 then &vout=9;
else if 473 <= &vin <= 499 then &vout=10;
else if 503 <= &vin <= 549 then &vout=11;
else if 553 <= &vin <= 617 then &vout=12;
else if 633 <= &vin <= 699 then &vout=13;
else if 703 <= &vin <= 799 then &vout=14;
else if 803 <= &vin <= 859 then &vout=15;
else if 863 <= &vin <= 889 then &vout=16;
else if 900 <= &vin <= 900 then &vout=17;
else if 998 = &vin then &vout=98;
else if 999 = &vin then &vout=99;
else &vout=98;

C. HRS Masked Industry from the 1980 Census 3-Digit Industry Code

In the SAS code below &vin is the unmasked industry variable and &vout is the masked industry variable. This code was used for 1992, 1994, 1996, and 1998 through 2004.

if &vin eq . then &vout=.;
D. HRS 2006 Masked Occupation from the 2000 Census 3-Digit Occupation Code

In the SAS code below &vin is the unmasked occupation variable and &vout is the masked occupation variable. This code was used in 2006 and subsequent years.

```sas
if &vin eq 0 then &vout=.;
else if &vin lt 45 then &vout=1;
else if &vin ge 50 and &vin le 73 then &vout=2;
else if &vin ge 80 and &vin le 95 then &vout=3;
else if &vin ge 100 and &vin le 124 then &vout=4;
else if &vin ge 130 and &vin le 156 then &vout=5;
else if &vin ge 160 and &vin le 196 then &vout=6;
else if &vin ge 200 and &vin le 206 then &vout=7;
else if &vin ge 210 and &vin le 215 then &vout=8;
else if &vin ge 220 and &vin le 255 then &vout=9;
else if &vin ge 260 and &vin le 296 then &vout=10;
else if &vin ge 300 and &vin le 354 then &vout=11;
else if &vin ge 360 and &vin le 365 then &vout=12;
else if &vin ge 370 and &vin le 395 then &vout=13;
else if &vin ge 400 and &vin le 416 then &vout=14;
else if &vin ge 420 and &vin le 425 then &vout=15;
else if &vin ge 430 and &vin le 465 then &vout=16;
else if &vin ge 470 and &vin le 496 then &vout=17;
else if &vin ge 500 and &vin le 593 then &vout=18;
else if &vin ge 600 and &vin le 613 then &vout=19;
else if &vin ge 620 and &vin le 676 then &vout=20;
else if &vin ge 680 and &vin le 694 then &vout=21;
else if &vin ge 700 and &vin le 762 then &vout=22;
else if &vin ge 770 and &vin le 896 then &vout=23;
else if &vin ge 900 and &vin le 975 then &vout=24;
else if &vin ge 980 and &vin le 985 then &vout=25;
else if &vin eq 999 then &vout = 99;
```

E. HRS 2006 Masked Industry from the 2002 Census 3-Digit Industry Code

In the SAS code below &vin is the unmasked industry variable and &vout is the masked industry variable. This code was used in 2006 and subsequent years.

```sas
If &vin eq 0 then &vout = .;
```
IV. Unmasked Codes

A. AHEAD Unmasked Occupation

In 1993 and 1995, occupation information for respondents belonging to the AHEAD cohort was coded using the SRC 2-Digit Occupation codes, which were adapted from 1980 U.S. Census Occupation Code.

SRC 2-Digit Occupation Code

PROFESSIONAL, TECHNICAL AND KINDRED WORKERS
10. Physicians--medical, psychiatric and osteopathic; dentists
11. Other Medical and Paramedical (exc. health technicians--see chiropractors, optometrists, pharmacists, veterinarians, dieticians, registered nurses, etc.
12. Accountants; Auditors
13. Teachers, except College
14. Teachers, College; Social Scientists; Librarians
15. Architects; Chemists; Engineers; Physical and Biological Scientists
16. Technicians: Computer programmers and analysts, health, engineering, science and other technicians, designers, radio and television announcers, etc.
17. Public Advisors: Personnel and labor relations workers, clergy and other religious workers, social and recreation workers, editors and reporters, public relations persons, etc.
18. Judges; Lawyers
19. Other professional, technical and kindred workers

MANAGERS, OFFICIALS AND PROPRIETERS (EXCEPT FARM)
20. Not self-employed; employee of own corporation
31. Self-employed--unincorporated businesses

CLERICAL AND KINDRED WORKERS
40. Secretaries, stenographers, typists
41. Other Clerical Workers: bank tellers, bookkeepers, cashiers, estimators & investigators, mail carriers, payroll & postal clerks, shipping & receiving clerks, stock clerks, etc.

SALES WORKERS
45. Demonstrators, hucksters and peddlers, insurance and real estate agents and brokers, sales representatives & sales clerks, etc.

CRAFTSMEN, FOREMEN AND KINDRED WORKERS
50. Foremen, n.e.c., except craft
51. Craftsmen, craft foremen and supervisors
52. Government protective service workers: firemen, guards, policemen, etc.

OPERATIVES AND KINDRED WORKERS
61. Transport equipment operatives: bus drivers, conductors, deliverymen and routemen, fork lift and tow motor operators, taxicab drivers, truck drivers, etc.
62. Operatives, except transport

LABORERS AND FARM FOREMEN
70. Unskilled laborers--non-farm
71. Farm laborers and foremen

SERVICE WORKERS
73. Private household workers
75. Other service workers: maids, cleaners, janitors, bartenders, cooks, waiters, nursing aides, practical nurses, barbers, babysitters (exc. 73), beauticians, etc.

FARMERS AND FARM MANAGERS
80. Farmers (owners and tenants) and farm managers

MISCELLANEOUS GROUPS
55. Members of Armed Forces
99. Occupation DK, NA

**B. HRS Unmasked Occupation**

In 1992, 1994, and 1996, occupation for respondents belonging to the HRS cohort was coded using the 3-digit 1980 Census Occupational Classification codes. For surveys conducted in 1998, 2000, 2002, and 2004, these codes were used for all cohort members.

**1980 Census Occupational Classification System**

*Note: The abbreviation "pt" means "part" and "n.e.c." means "not elsewhere classified."

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
Executive, Administrative, and Managerial Occupations
003  Legislators
004  Chief executives and general administrators, public administration
005  Administrators and officials, public administration
006  Administrators, protective service
007  Financial managers
008  Personnel and labor relations managers
009  Purchasing managers
013  Managers, marketing, advertising, and public relations
014  Administrators, education and related fields
015  Managers, medicine and health
016  Managers, properties and real estate
017  Postmasters and mail superintendents
018  Funeral directors
019  Managers and administrators, n.e.c.
Management Related Occupations:
023     Accountants and auditors
024     Underwriters
025     Other financial officers
026     Management analysts
027     Personnel, training, and labor relations specialists
028     Purchasing agents and buyers, farm products
029     Buyers, wholesale and retail trade, except farm products
033     Purchasing agents and buyers, n.e.c.
034     Business and promotion agents
035     Construction inspectors
036     Inspection and compliance officers, except construction
037     Management related occupations, n.e.c.

Professional Specialty Occupations:

Engineers, Architects, and Surveyors:
043     Architects

Engineers:
044     Aerospace
045     Metallurgical and materials
046     Mining
047     Petroleum
048     Chemical
049     Nuclear
053     Civil
054     Agricultural
055     Electrical and electronic
056     Industrial
057     Mechanical
058     Marine and naval architects
059     Engineers, n.e.c.
063     Surveyors and mapping scientists

Mathematical and Computer Scientists:
064     Computer systems analysts and scientists
065     Operations and systems researchers and analysts
066     Actuaries
067     Statisticians
068     Mathematical scientists, n.e.c.

Natural Scientists:
069     Physicists and astronomers
073     Chemists, except biochemists
074     Atmospheric and space scientists
075     Geologists and geodesists
076     Physical scientists, n.e.c.
077     Agricultural and food scientists
078     Biological and life scientists
079     Forestry and conservation scientists
083     Medical scientists

Health Diagnosing Occupations:
084     Physicians
085     Dentists
086 Veterinarians
087 Optometrists
088 Podiatrists
089 Health diagnosing practitioners, n.e.c.

Health Assessment and Treating Occupations:

095 Registered nurses
096 Pharmacists
097 Dietitians

Therapists:

098 Inhalation therapists
099 Occupational therapists
103 Physical therapists
104 Speech therapists
105 Therapists, n.e.c.
106 Physicians’ assistants

Teachers, Postsecondary:

113 Earth, environmental, and marine science teachers
114 Biological science teachers
115 Chemistry teachers
116 Physics teachers
117 Natural science teachers, n.e.c.
118 Psychology teachers
119 Economics teachers
123 History teachers
124 Political science teachers
125 Sociology teachers
126 Social science teachers, n.e.c.
127 Engineering teachers
128 Mathematical science teachers
129 Computer science teachers
133 Medical science teachers
134 Health specialties teachers
135 Business, commerce, and marketing teachers
136 Agriculture and forestry teachers
137 Art, drama, and music teachers
138 Physical education teachers
139 Education teachers
143 English teachers
144 Foreign language teachers
145 Law teachers
146 Social work teachers
147 Theology teachers
148 Trade and industrial teachers
149 Home economics teachers
153 Teachers, postsecondary, n.e.c.
154 Postsecondary teachers, subject n.s.

Teachers, Except Postsecondary:

155 Teachers, pre-kindergarten and kindergarten
156 Teachers, elementary school
157 Teachers, secondary school
158 Teachers, special education
159 Teachers, n.e.c.
Counselors, educational and vocational
Librarians, Archivists, and Curators:
Librarians
Archivists and curators
Social Scientists and Urban Planners:
Economists
Psychologists
Sociologists
Social scientists, n.e.c.
Urban planners
Social, Recreation, and Religious Workers:
Social workers
Recreation workers
Clergy
Religious workers, n.e.c.
Lawyers and Judges:
Lawyers
Judges
Writers, Artists, Entertainers, and Athletes:
Authors
Technical writers
Designers
Musicians and composers
Actors and directors
Painters, sculptors, craft-artists, and artist printmakers
Photographers
Dancers
Artists, performers, and related workers, n.e.c.
Editors and reporters
Public relations specialists
Announcers
Athletes

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS
Technicians and Related Support Occupations
Health Technologists and Technicians:
Clinical laboratory technologists and technicians
Dental hygienists
Health record technologists and technicians
Radiologic technicians
Licensed practical nurses
Health technologists and technicians, n.e.c.
Technologists and Technicians, Except Health:
Electrical and electronic technicians
Industrial engineering technicians
Mechanical engineering technicians
216 Engineering technicians, n.e.c.
217 Drafting occupations
218 Surveying and mapping technicians

Science Technicians:
223 Biological technicians
224 Chemical technicians
225 Science technicians, n.e.c.

Technicians, Except Health, Engineering and Science:
226 Airplane pilots and navigators
227 Air traffic controllers
228 Broadcast equipment operators
229 Computer programmers
233 Tool programmers, numerical control
234 Legal assistants
235 Technicians, n.e.c.

Sales Occupations

243 Supervisors and proprietors, sales occupations

Sales Representatives, Finance and Business Services:
253 Insurance sales occupations
254 Real estate sales occupations
255 Securities and financial services sales occupations
256 Advertising and related sales occupations
257 Sales occupations, other business services

Sales Representatives, Commodities, Except Retail:
258 Sales engineers
259 Sales representatives, mining, manufacturing, and wholesale

Sales Workers, Retail and Personal Services:
263 Sales workers, motor vehicles and boats
264 Sales workers, apparel
265 Sales workers, shoes
266 Sales workers, furniture and home furnishings
267 Sales workers, radio, TV, hi-fi, and appliances
268 Sales workers, hardware and building supplies
269 Sales workers, parts
274 Sales workers, other commodities
275 Sales counter clerks
276 Cashiers
277 Street and door-to-door sales workers
278 News vendors

Sales-Related Occupations:
283 Demonstrators, promoters and models, sales
284 Auctioneers
285 Sales support occupations, n.e.c.

Administrative Support Occupations, Including Clerical:

Supervisors, Administrative Support Occupations:
303 Supervisors, general office
304 Supervisors, computer equipment operators
305 Supervisors, financial records processing
306 Chief communications operators
307 Supervisors, distribution, scheduling, and adjusting clerks

Computer Equipment Operators:
308 Computer operators
309 Peripheral equipment operators

Secretaries, Stenographers and Typists:
313 Secretaries
314 Stenographers
315 Typists

Information Clerks:
316 Interviewers
317 Hotel clerks
318 Transportation ticket and reservation agents
319 Receptionists
323 Information clerks, n.e.c.

Records Processing Occupations, Except Financial:
325 Classified-ad clerks
326 Correspondence clerks
327 Order clerks
328 Personnel clerks, except payroll and timekeeping
329 Library clerks
335 File clerks
336 Records clerks

Financial Records Processing Occupations:
337 Bookkeeping, accounting, and auditing clerks
338 Payroll and timekeeping clerks
339 Billing clerks
343 Cost and rate clerks
344 Billing, posting, and calculating machine operators

Duplicating, Mail, and Other Office Machine Operators:
345 Duplicating machine operators
346 Mail preparing and paper handling machine operators
347 Office machine operators, n.e.c.

Communications Equipment Operators:
348 Telephone operators
349 Telegraphers
353 Communications equipment operators, n.e.c.

Mail and Message Distributing Occupations:
354 Postal clerks, except mail carriers
355 Mail carriers, postal service
356 Mail clerks, except postal service
357 Messengers

Material Recording, Scheduling, and Distributing Clerks:
359 Dispatchers
363 Production coordinators
364 Traffic, shipping, and receiving clerks
365 Stock and inventory clerks
366 Meter readers
368 Weighers, measurers, and checkers
369 Samplers
373 Expediters
374 Material recording, scheduling, and distributing clerks, n.e.c.

Adjusters and Investigators:
375 Insurance adjusters, examiners, and investigators
376 Investigators and adjusters, except insurance
377 Eligibility clerks, social welfare
378 Bill and account collectors

Miscellaneous Administrative Support Occupations:
379 General office clerks
383 Bank tellers
384 Proofreaders
385 Data-entry keyers
386 Statistical clerks
387 Teachers' aides
389 Administrative support occupations, n.e.c.

SERVICE OCCUPATIONS

Private Households Occupations

403 Launderers and Ironers
404 Cooks, private household
405 Housekeepers and butlers
406 Child care workers, private household
407 Private household cleaners and servants

Protective Service Occupations

Supervisors, Protective Service Occupations:
413 Supervisors, firefighting and fire prevention occupations
414 Supervisors, police and detectives
415 Supervisors, guards

Firefighting and Fire Prevention Occupations:
416 Fire inspection and fire prevention occupations
417 Firefighting occupations

Police and Detectives:
418 Police and detectives, public service
423 Sheriffs, bailiffs, and other law enforcement officers
424 Correctional institution officers

Guards:
425 Crossing guards
426 Guards and police, except public service
427 Protective service occupations, n.e.c.

Service Occupations, Except Protective and Household:
Food Preparation and Service Occupations:

433 Supervisors, food preparation and service occupations
434 Bartenders
435 Waiters and waitresses
436 Cooks, except short order
437 Short-order cooks
438 Food counter, fountain, and related occupations
439 Kitchen workers, food preparation
443 Waiters'/waitresses' assistants
444 Miscellaneous food preparation occupations

Health Service Occupations:

445 Dental assistants
446 Health aides, except nursing
447 Nursing aides, orderlies, and attendants

Cleaning and Building Service Occupations, except Household:

448 Supervisors, cleaning and building service workers
449 Maids and housemen
453 Janitors and cleaners
454 Elevator operators
455 Pest control occupations

Personal Service Occupations:

456 Supervisors, personal service occupations
457 Barbers
458 Hairdressers and cosmetologists
459 Attendants, amusement and recreation facilities
463 Guides
464 Ushers
465 Public transportation attendants
466 Baggage porters and bellhops
467 Welfare service aides
468 Child care workers, except private household
469 Personal service occupations, n.e.c.

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers:

473 Farmers, except horticultural
474 Horticultural specialty farmers
475 Managers, farms, except horticultural
476 Managers, horticultural specialty farms

Other Agricultural and Related Occupations:

Farm Occupations, Except Managerial:

477 Supervisors, farm workers
479 Farm workers
483 Marine life cultivation workers
484 Nursery workers

Related Agricultural Occupations:

485 Supervisors, related agricultural occupations
486 Groundskeepers and gardeners, except farm
487 Animal caretakers, except farm
Graders and sorters, agricultural products
Inspectors, agricultural products

Forestry and Logging Occupations:
Supervisors, forestry and logging workers
Forestry workers, except logging
Timber cutting and logging occupations

Fishers, Hunters, and Trappers:
Captains and other officers, fishing vessels
Fishers
Hunters and trappers

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers
Supervisors, mechanics and repairers

Mechanics and Repairers, Except Supervisors:
Vehicle and Mobile Equipment Mechanics and Repairers:
Automobile mechanics, except apprentices
Automobile mechanic apprentices
Bus, truck, and stationary engine mechanics
Aircraft engine mechanics
Small engine repairers
Automobile body and related repairers
Aircraft mechanics, except engine
Heavy equipment mechanics
Farm equipment mechanics
Industrial machinery repairers
Machinery maintenance occupations

Electrical and Electronic Equipment Repairers:
Electronic repairers, communications and industrial equipment
Data processing equipment repairers
Household appliance and power tool repairers
Telephone line installers and repairers
Telephone installers and repairers
Miscellaneous electrical and electronic equipment repairers
Heating, air conditioning, and refrigeration mechanics

Miscellaneous Mechanics and Repairers:
Camera, watch, and musical instrument repairers
Locksmiths and safe repairers
Office machine repairers
Mechanical controls and valve repairers
Elevator installers and repairers
Millwrights
Mechanics and repairers, n.e.c.
Mechanics and repairers, n.s.

Construction Trades
Supervisors, Construction Occupations:
553 Supervisors, brickmasons, stonemasons, and tile setters
554 Supervisors, carpenters and related workers
555 Supervisors, electricians and power transmission installers
556 Supervisors, painters, paperhangers, and plasterers
557 Supervisors, plumbers, pipefitters, and steamfitters
558 Supervisors, n.e.c.

Construction Trades, Except Supervisors:
563 Brickmasons and stonemasons, except apprentices
564 Brickmason and stonemason apprentices
565 Tile setters, hard and soft
566 Carpet installers
567 Carpenters, except apprentices
569 Carpenter apprentices
573 Drywall installers
575 Electricians, except apprentices
576 Electrician apprentices
577 Electrical power installers and repairers
579 Painters, construction and maintenance
583 Paperhangers
584 Plasterers
585 Plumbers, pipefitters, and steamfitters, except apprentices
587 Plumber, pipefitter, and steamfitter apprentices
588 Concrete and terrazzo finishers
589 Glaziers
593 Insulation workers
594 Paving, surfacing, and tamping equipment operators
595 Roofers
596 Sheetmetal duct installers
597 Structural metal workers
598 Drillers, earth
599 Construction trades, n.e.c.

Extractive Occupations
613 Supervisors, extractive occupations
614 Drillers, oil well
615 Explosives workers
616 Mining machine operators
617 Mining occupations, n.e.c.

Precision Production Occupations

633 Supervisors production occupations

Precision Metal Working Occupations:
634 Tool and die makers, except apprentices
635 Tool and die maker apprentices
636 Precision assemblers, metal
637 Machinists, except apprentices
639 Machinist apprentices
643 Boilermakers
644 Precision grinders, fitters, and tool sharpeners
645 Patternmakers and model makers, metal
646 Lay-out workers
647 Precious stones and metals workers
649 Engravers, metal
653  Sheet metal workers, except apprentices
654  Sheet metal worker apprentices
655  Miscellaneous precision metal workers

Precision Woodworking Occupations:
656  Patternmakers and model makers, wood
657  Cabinet makers and bench carpenters
658  Furniture and wood finishers
659  Miscellaneous precision woodworkers

Precision Textile, Apparel, and Furnishings Machine Workers:
666  Dressmakers
667  Tailors
668  Upholsterers
669  Shoe repairers
673  Apparel and fabric patternmakers
674  Misc. precision apparel and fabric workers

Precision Workers, Assorted Materials:
675  Hand molders and shapers, except jewelers
676  Patternmakers, lay-out workers, and cutters
677  Optical goods workers
678  Dental laboratory and medical appliance technicians
679  Bookbinders
683  Electrical and electronic equipment assemblers
684  Miscellaneous precision workers, n.e.c.

Precision Food Production Occupations:
686  Butchers and meat cutters
687  Bakers
688  Food batchmakers

Precision Inspectors, Testers, and Related Workers:
689  Inspectors, testers, and graders
693  Adjusters and calibrators

Plant and System Operators:
694  Water and sewage treatment plant operators
695  Power plant operators
696  Stationary engineers
699  Miscellaneous plant and system operators

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers and Inspectors

Machine Operators and Tenders, except Precision:

Metalworking and Plastic Working Machine Operators:
703  Lathe and turning machine set-up operators
704  Lathe and turning machine operators
705  Milling and planing machine operators
706  Punching and stamping press machine operators
707  Rolling machine operators
708  Drilling and boring machine operators
709  Grinding, abrading, buffing, and polishing machine operators
713  Forging machine operators
714  Numerical control machine operators
715  Miscellaneous metal, plastic, stone, and glass working machine operators
717  Fabricating machine operators, n.e.c.

Metal and Plastic Processing Machine Operators:
719  Molding and casting machine operators
723  Metal plating machine operators
724  Heat treating equipment operators
725  Miscellaneous metal and plastic processing machine operators

Woodworking Machine Operators:
726  Wood lathe, routing, and planing machine operators
727  Sawing machine operators
728  Shaping and joining machine operators
729  Nailing and tacking machine operators
733  Misc. woodworking machine operators

Printing Machine Operators:
734  Printing machine operators
735  Photoengravers and lithographers
736  Typesetters and compositors
737  Miscellaneous printing machine operators

Textile, Apparel, and Furnishings Machine Operators:
738  Winding and twisting machine operators
739  Knitting, looping, taping, and weaving machine operators
743  Textile cutting machine operators
744  Textile sewing machine operators
745  Shoe machine operators
747  Pressing machine operators
748  Laundering and dry cleaning machine operators
749  Miscellaneous textile machine operators

Machine Operators, Assorted Materials:
753  Cementing and gluing machine operators
754  Packaging and filling machine operators
755  Extruding and forming machine operators
756  Mixing and blending machine operators
757  Separating, filtering, and clarifying machine operators
758  Compressing and compacting machine operators
759  Painting and paint spraying machine operators
763  Roasting and baking machine operators, food
764  Washing, cleaning, and pickling machine operators
765  Folding machine operators
766  Furnace, kiln, and oven operators, except food
768  Crushing and grinding machine operators
769  Slicing and cutting machine operators
773  Motion picture projectionists
774  Photographic process machine operators

Miscellaneous and Not Specified Machine Operators:
777  Miscellaneous machine operators
779  Machine operators, n.s.
Fabricators, Assemblers, and Hand Working Occupations:
783  Welders and cutters
784  Solderers and blazers
785  Assemblers
786  Hand cutting and trimming occupations
787  Hand molding, casting, and forming occupations
789  Hand painting, coating, and decorating occupations
793  Hand engraving and printing occupations
794  Hand grinding and polishing occupations
795  Miscellaneous hand working occupations

Production Inspectors, Testers, Samplers, and Weighers:
796  Production inspectors, checkers, and examiners
797  Production testers
798  Production samplers and weighers
799  Graders and sorters, except agricultural

Transportation and Material Moving Occupations

Motor Vehicle Operators:
803  Supervisors, motor vehicle operators
804  Truck drivers, heavy
805  Truck drivers, light
806  Driver-sales workers
808  Bus drivers
809  Taxicab drivers and chauffeurs
813  Parking lot attendants
814  Motor transportation occupations, n.e.c.

Transportation Occupations, Except Motor Vehicles:

Rail Transportation Occupations:
823  Railroad conductors and yardmasters
824  Locomotive operating occupations
825  Railroad brake, signal, and switch operators
826  Rail vehicle operators, n.e.c.

Water Transportation Occupations:
828  Ship captains and mates, except fishing boats
829  Sailors and deckhands
833  Marine engineers
834  Bridge, lock, and lighthouse tenders

Material Moving Equipment Operators:
843  Supervisors, material moving equipment operators
844  Operating engineers
845  Longshore equipment operators
848  Hoist and winch operators
849  Crane and tower operators
853  Excavating and loading machine operators
855  Grader, dozer, and scraper operators
856  Industrial truck and tractor equipment operators
859  Misc. material moving equipment operators

Handlers, Equipment Cleaners, Helpers, and Laborers
863  Supervisors, handlers, equipment cleaners, and laborers, n.e.c.
864  Helpers, mechanics and repairers

Helpers, Construction and Extractive Occupations:
865  Helpers, construction trades
866  Helpers, surveyor
867  Helpers, extractive occupations
869  Construction laborers
873  Production helpers

Freight, Stock, and Material Handlers:
875  Garbage collectors
876  Stevedores
877  Stock handlers and baggers
878  Machine feeders and offbearers
883  Freight, stock, and material handlers, n.e.c.
885  Garage and service station related occupations
887  Vehicle washers and equipment cleaners
888  Hand packers and packagers
889  Laborers, except construction

900  Members of the Armed Forces
999  Not Ascertained occupation
998  Don’t Know occupation

NOT APPLICABLE
000  N/A (not applicable)

C. HRS Unmasked Industry

In 1992, 1994, and 1996, industry information for respondents belonging to the HRS cohort was coded using the 3-digit 1980 Census Standard Industrial Classification (SIC) codes. For surveys conducted in 1998, 2000, 2002, and 2004, these codes were used for all cohort members.

1980 Standard Industrial Classification System

Note: The abbreviation "n.s." means "not specified" and "n.e.c." means "not elsewhere classified."

AGRICULTURE, FORESTRY, AND FISHERIES

010  Agricultural production, crops
011  Agricultural production, livestock
020  Agricultural services, except horticultural
021  Horticultural services
030  Forestry
031  Fishing, hunting, and trapping

MINING

040  Metal mining
041  Coal mining
042  Crude petroleum and natural gas extraction
050  Nonmetallic mining and quarrying, except fuel

CONSTRUCTION
MANUFACTURING

Non-durable goods

Food and kindred products:
  100 Meat products
  101 Dairy products
  102 Canned and preserved fruits and vegetables
  110 Grain mill products
  111 Bakery products
  112 Sugar and confectionery products
  120 Beverage industries
  121 Miscellaneous food preparations and kindred products
  122 Food industries, n.s.
  130 Tobacco manufactures

Textile mill products:
  132 Knitting mills
  140 Dyeing and finishing textiles, except wool and knit goods
  141 Floor coverings, except hard surface
  142 Yarn, thread, and fabric mills
  150 Miscellaneous textile mill products

Apparel and other finished textile products:
  151 Apparel and accessories, except knit
  152 Miscellaneous fabricated textile products

Paper and allied products:
  160 Pulp, paper, and paperboard mills
  161 Miscellaneous paper and pulp products
  162 Paperboard containers and boxes

Printing, publishing, and allied industries:
  171 Newspaper publishing and printing
  172 Printing, publishing, and allied industries, except newspapers

Chemicals and allied products:
  180 Plastics, synthetics, and resins
  181 Drugs
  182 Soaps and cosmetics
  190 Paints, varnishes, and related products
  191 Agricultural chemicals
  192 Industrial and miscellaneous chemicals

Petroleum and coal products:
  200 Petroleum refining
  201 Miscellaneous petroleum and coal products

Rubber and miscellaneous plastics products:
  210 Tires and inner tubes
  211 Other rubber products, and plastics footwear and belting
  212 Miscellaneous plastics products

Leather and leather products:
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>Leather tanning and finishing</td>
</tr>
<tr>
<td>221</td>
<td>Footwear, except rubber and plastic</td>
</tr>
<tr>
<td>222</td>
<td>Leather products, except footwear</td>
</tr>
</tbody>
</table>

**Durable Goods**

**Lumber and wood products, except furniture:**
- 230  Logging
- 231  Sawmills, planing mills, and millwork
- 232  Wood buildings and mobile homes
- 241  Miscellaneous wood products
- 242  Furniture and fixtures

**Stone, clay, glass, and concrete products:**
- 250  Glass and glass products
- 251  Cement, concrete, gypsum, and plaster products
- 252  Structural clay products
- 261  Pottery and related products
- 262  Miscellaneous nonmetallic mineral and stone products

**Metal industries:**
- 270  Blast furnaces, steelworks, rolling and finishing mills
- 271  Iron and steel foundries
- 272  Primary aluminum industries
- 280  Other primary metal industries
- 281  Cutlery, hand tools, and other hardware
- 282  Fabricated structural metal products
- 290  Screw machine products
- 291  Metal forgings and stampings
- 292  Ordnance
- 300  Miscellaneous fabricated metal products
- 301  Metal industries, n.s.

**Machinery, except electrical:**
- 310  Engines and turbines
- 311  Farm machinery and equipment
- 312  Construction and material handling machines
- 320  Metalworking machinery
- 321  Office and accounting machines
- 322  Electronic computing equipment
- 331  Machinery, except electrical, n.e.c.
- 332  Machinery, n.s.

**Electrical machinery, equipment, and supplies:**
- 340  Household appliances
- 341  Radio, T.V., and communication equipment
- 342  Electrical machinery, equipment, and supplies, n.e.c.
- 350  Electrical machinery, equipment, and supplies, n.s.

**Transportation equipment:**
- 351  Motor vehicles and motor vehicle equipment
- 352  Aircraft and parts
- 360  Ship and boat building and repairing
- 361  Railroad locomotives and equipment
- 362  Guided missiles, space vehicles, and parts
- 370  Cycles and miscellaneous transportation equipment
Professional and photographic equipment, and watches:
371     Scientific and controlling instruments
372     Optical and health services and supplies
380     Photographic equipment and supplies
381     Watches, clocks, and clockwork-operated devices
382     Professional equipment, n.s.
390     Toys, amusement, and sporting goods
391     Miscellaneous manufacturing industries
392     Manufacturing industries, n.s.

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation:
400     Railroads
401     Bus service and urban transit
402     Taxicab service
410     Trucking service
411     Warehousing and storage
412     U.S. Postal Service
420     Water transportation
421     Air transportation
422     Pipelines, except natural gas
432     Services incidental to transportation

Communications:
440     Radio and television broadcasting
441     Telephone
442     Telegraph and miscellaneous communication services

Utilities and sanitary services:
460     Electric light and power
461     Gas and steam supply systems
462     Electric and gas, and other combinations
470     Water supply and irrigation
471     Sanitary services
472     Utilities, n.s.

WHOLESALE TRADE

Durable goods
500     Motor vehicles and equipment
501     Furniture and home furnishings
502     Lumber and construction materials
510     Sporting goods, toys, and hobby goods
511     Metals and minerals, except petroleum
512     Electrical goods
521     Hardware, plumbing and heating supplies
522     Electrical and hardware products, n.s.
530     Machinery, equipment, and supplies
531     Scrap and waste materials
532     Miscellaneous wholesale, durable goods

Non-durable goods
540     Paper and paper products
541     Drugs, chemicals, and allied products
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>542</td>
<td>Apparel, fabrics, and notions</td>
</tr>
<tr>
<td>550</td>
<td>Groceries and related products</td>
</tr>
<tr>
<td>551</td>
<td>Farm products--raw materials</td>
</tr>
<tr>
<td>552</td>
<td>Petroleum products</td>
</tr>
<tr>
<td>560</td>
<td>Alcoholic beverages</td>
</tr>
<tr>
<td>561</td>
<td>Farm supplies</td>
</tr>
<tr>
<td>562</td>
<td>Miscellaneous wholesale, non-durable goods</td>
</tr>
<tr>
<td>571</td>
<td>Wholesale trade, n.s.</td>
</tr>
</tbody>
</table>

**RETAIL TRADE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>580</td>
<td>Lumber and building material retailing</td>
</tr>
<tr>
<td>581</td>
<td>Hardware stores</td>
</tr>
<tr>
<td>582</td>
<td>Retail nurseries and garden stores</td>
</tr>
<tr>
<td>590</td>
<td>Mobile home dealers</td>
</tr>
<tr>
<td>591</td>
<td>Department stores</td>
</tr>
<tr>
<td>592</td>
<td>Variety stores</td>
</tr>
<tr>
<td>600</td>
<td>Miscellaneous general merchandise stores</td>
</tr>
<tr>
<td>601</td>
<td>Grocery stores</td>
</tr>
<tr>
<td>602</td>
<td>Dairy products stores</td>
</tr>
<tr>
<td>610</td>
<td>Retail bakeries</td>
</tr>
<tr>
<td>611</td>
<td>Food stores, n.e.c.</td>
</tr>
<tr>
<td>612</td>
<td>Motor vehicle dealers</td>
</tr>
<tr>
<td>620</td>
<td>Auto and home supply stores</td>
</tr>
<tr>
<td>621</td>
<td>Gasoline service stations</td>
</tr>
<tr>
<td>622</td>
<td>Miscellaneous vehicle dealers</td>
</tr>
<tr>
<td>630</td>
<td>Apparel and accessory stores, except shoe</td>
</tr>
<tr>
<td>631</td>
<td>Shoe stores</td>
</tr>
<tr>
<td>632</td>
<td>Furniture and home furnishings stores</td>
</tr>
<tr>
<td>640</td>
<td>Household appliances, T.V., and radio stores</td>
</tr>
<tr>
<td>641</td>
<td>Eating and drinking places</td>
</tr>
<tr>
<td>642</td>
<td>Drug stores</td>
</tr>
<tr>
<td>650</td>
<td>Liquor stores</td>
</tr>
<tr>
<td>651</td>
<td>Sporting goods, bicycles, and hobby stores</td>
</tr>
<tr>
<td>652</td>
<td>Book and stationery stores</td>
</tr>
<tr>
<td>660</td>
<td>Jewelry stores</td>
</tr>
<tr>
<td>661</td>
<td>Sewing, needlework, and piece goods stores</td>
</tr>
<tr>
<td>662</td>
<td>Mail order houses</td>
</tr>
<tr>
<td>670</td>
<td>Vending machine operators</td>
</tr>
<tr>
<td>671</td>
<td>Direct selling establishments</td>
</tr>
<tr>
<td>672</td>
<td>Fuel and ice dealers</td>
</tr>
<tr>
<td>681</td>
<td>Retail florists</td>
</tr>
<tr>
<td>682</td>
<td>Miscellaneous retail stores</td>
</tr>
<tr>
<td>691</td>
<td>Retail trade, n.s.</td>
</tr>
</tbody>
</table>

**FINANCE, INSURANCE, AND REAL ESTATE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>700</td>
<td>Banking</td>
</tr>
<tr>
<td>701</td>
<td>Savings and loan associations</td>
</tr>
<tr>
<td>702</td>
<td>Credit agencies, n.e.c.</td>
</tr>
<tr>
<td>710</td>
<td>Security, commodity brokerage, and investment companies</td>
</tr>
<tr>
<td>711</td>
<td>Insurance</td>
</tr>
<tr>
<td>712</td>
<td>Real estate, including real estate-insurance-law offices</td>
</tr>
</tbody>
</table>

**BUSINESS AND REPAIR SERVICES**
721 Advertising
722 Services to dwellings and other buildings
730 Commercial research, development, and testing labs
731 Personnel supply services
732 Business management and consulting services
740 Computer and data processing services
741 Detective and protective services
742 Business services, n.e.c.
750 Automotive services, except repair
751 Automotive repair shops
752 Electrical repair shops
760 Miscellaneous repair services

PERSONAL SERVICES

761 Private households
762 Hotels and motels
770 Lodging places, except hotels and motels
771 Laundry, cleaning, and garment services
772 Beauty shops
780 Barber shops
781 Funeral service and crematories
782 Shoe repair shops
790 Dressmaking shops
791 Miscellaneous personal services

ENTERTAINMENT AND RECREATION SERVICES

800 Theaters and motion pictures
801 Bowling alleys, billiard and pool parlors
802 Miscellaneous entertainment and recreation services

PROFESSIONAL AND RELATED SERVICES

812 Offices of physicians
820 Offices of dentists
821 Offices of chiropractors
822 Offices of optometrists
830 Offices of health practitioners, n.e.c.
831 Hospitals
832 Nursing and personal care facilities
840 Health services, n.e.c.
841 Legal services
842 Elementary and secondary schools
850 Colleges and universities
851 Business, trade, and vocational schools
852 Libraries
860 Educational services, n.e.c.
861 Job training and vocational rehabilitation services
862 Child day care services
870 Residential care facilities, without nursing
871 Social services, n.e.c.
872 Museums, art galleries, and zoos
880 Religious organizations
881 Membership organizations
882 Engineering, architectural, and surveying services
890  Accounting, auditing, and bookkeeping services
891  Noncommercial educational and scientific research
892  Miscellaneous professional and related services

PUBLIC ADMINISTRATION

900  Executive and legislative offices
901  General government, n.e.c.
910  Justice, public order, and safety
921  Public finance, taxation, and monetary policy
922  Administration of human resources programs
930  Administration of environmental quality and housing programs
931  Administration of economic programs
932  National security and international affairs
998  Don’t Know industry
999  Not Ascertained industry

**D. HRS 2006 Unmasked Occupation**

In 2006 and beyond, HRS study respondent occupation information was coded using the 3-digit 2002 Census Occupational Classification System.

**2002 Census Occupational Categories**

*Source: U.S. Census Bureau, Demographic Surveys Division (August 7, 2001)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>MGR: Management Occupations</strong></td>
</tr>
<tr>
<td>001</td>
<td>Chief Executives</td>
</tr>
<tr>
<td>002</td>
<td>General and Operations Managers</td>
</tr>
<tr>
<td>003</td>
<td>Legislators</td>
</tr>
<tr>
<td>004</td>
<td>Advertising and Promotions Managers</td>
</tr>
<tr>
<td>005</td>
<td>Marketing and Sales Managers</td>
</tr>
<tr>
<td>006</td>
<td>Public Relations Managers</td>
</tr>
<tr>
<td>010</td>
<td>Administrative Services Managers</td>
</tr>
<tr>
<td>011</td>
<td>Computer and Information Systems Managers</td>
</tr>
<tr>
<td>012</td>
<td>Financial Managers</td>
</tr>
<tr>
<td>013</td>
<td>Human Resources Managers</td>
</tr>
<tr>
<td>014</td>
<td>Industrial Production Managers</td>
</tr>
<tr>
<td>015</td>
<td>Purchasing Managers</td>
</tr>
<tr>
<td>016</td>
<td>Transportation, Storage, and Distribution Managers</td>
</tr>
<tr>
<td>020</td>
<td>Farm, Ranch, and Other Agricultural Managers</td>
</tr>
<tr>
<td>021</td>
<td>Farmers and Ranchers</td>
</tr>
<tr>
<td>022</td>
<td>Constructions Managers</td>
</tr>
<tr>
<td>023</td>
<td>Education Administrators</td>
</tr>
<tr>
<td>030</td>
<td>Engineering Managers</td>
</tr>
<tr>
<td>031</td>
<td>Food Service Managers</td>
</tr>
<tr>
<td>032</td>
<td>Funeral Directors</td>
</tr>
<tr>
<td>033</td>
<td>Gaming Managers</td>
</tr>
<tr>
<td>034</td>
<td>Lodging Managers</td>
</tr>
<tr>
<td>035</td>
<td>Medical and Health Services Managers</td>
</tr>
<tr>
<td>036</td>
<td>Natural Science Managers</td>
</tr>
<tr>
<td>040</td>
<td>Postmasters and Mail Superintendents</td>
</tr>
<tr>
<td>041</td>
<td>Property, Real Estate, and Community Association Managers</td>
</tr>
<tr>
<td>Code</td>
<td>Occupation</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>042</td>
<td>Social and Community Service Managers</td>
</tr>
<tr>
<td>043</td>
<td>Managers, All Other</td>
</tr>
<tr>
<td></td>
<td><strong>BUS: Business Operations Specialists</strong></td>
</tr>
<tr>
<td>050</td>
<td>Agents and Business Managers of Artists, Performers, and Athletes</td>
</tr>
<tr>
<td>051</td>
<td>Purchasing Agents and Buyers, Farm Products</td>
</tr>
<tr>
<td>052</td>
<td>Wholesale and Retail Buyers, Except Farm Products</td>
</tr>
<tr>
<td>053</td>
<td>Purchasing Agents, Except Wholesale, Retail, and Farm Products</td>
</tr>
<tr>
<td>054</td>
<td>Claims Adjusters, Appraisers, Examiners, and Investigators</td>
</tr>
<tr>
<td>056</td>
<td>Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation</td>
</tr>
<tr>
<td>060</td>
<td>Cost Estimators</td>
</tr>
<tr>
<td>062</td>
<td>Human Resources, Training, and Labor Relations Specialists</td>
</tr>
<tr>
<td>070</td>
<td>Logisticians</td>
</tr>
<tr>
<td>071</td>
<td>Management Analysts</td>
</tr>
<tr>
<td>072</td>
<td>Meeting and Convention Planners</td>
</tr>
<tr>
<td>073</td>
<td>Other Business Operations Specialists</td>
</tr>
<tr>
<td></td>
<td><strong>FIN: Financial Specialists</strong></td>
</tr>
<tr>
<td>080</td>
<td>Accountants and Auditors</td>
</tr>
<tr>
<td>081</td>
<td>Appraisers and Assessors of Real Estate</td>
</tr>
<tr>
<td>082</td>
<td>Budget Analysts</td>
</tr>
<tr>
<td>083</td>
<td>Credit Analysts</td>
</tr>
<tr>
<td>084</td>
<td>Financial Analysts</td>
</tr>
<tr>
<td>085</td>
<td>Personal Financial Advisors</td>
</tr>
<tr>
<td>086</td>
<td>Insurance Underwriters</td>
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<tr>
<td>090</td>
<td>Financial Examiners</td>
</tr>
<tr>
<td>091</td>
<td>Loan Counselors and Officers</td>
</tr>
<tr>
<td>093</td>
<td>Tax Examiners, Collectors, and Revenue Agents</td>
</tr>
<tr>
<td>094</td>
<td>Tax Preparers</td>
</tr>
<tr>
<td>095</td>
<td>Financial Specialists, All Other</td>
</tr>
<tr>
<td></td>
<td><strong>CMM: Computer and Mathematical Occupations</strong></td>
</tr>
<tr>
<td>100</td>
<td>Computer Scientists and Systems Analysts</td>
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<tr>
<td>101</td>
<td>Computer Programmers</td>
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<tr>
<td>102</td>
<td>Computer Software Engineers</td>
</tr>
<tr>
<td>104</td>
<td>Computer Support Specialists</td>
</tr>
<tr>
<td>106</td>
<td>Database Administrators</td>
</tr>
<tr>
<td>110</td>
<td>Network and Computer Systems Administrators</td>
</tr>
<tr>
<td>111</td>
<td>Network Systems and Data Communications Analysts</td>
</tr>
<tr>
<td>120</td>
<td>Actuaries</td>
</tr>
<tr>
<td>121</td>
<td>Mathematicians</td>
</tr>
<tr>
<td>122</td>
<td>Operations Research Analysts</td>
</tr>
<tr>
<td>123</td>
<td>Statisticians</td>
</tr>
<tr>
<td>124</td>
<td>Miscellaneous Mathematical Scientists and Technicians</td>
</tr>
<tr>
<td></td>
<td><strong>ENG: Architecture and Engineering Occupations</strong></td>
</tr>
<tr>
<td>130</td>
<td>Architects, Except Naval</td>
</tr>
<tr>
<td>131</td>
<td>Surveyors, Cartographers, and Photogrammetrists</td>
</tr>
<tr>
<td>132</td>
<td>Aerospace Engineers</td>
</tr>
<tr>
<td>133</td>
<td>Agricultural Engineers</td>
</tr>
<tr>
<td>134</td>
<td>Biomedical Engineers</td>
</tr>
<tr>
<td>135</td>
<td>Chemical Engineers</td>
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<tr>
<td>136</td>
<td>Civil Engineers</td>
</tr>
<tr>
<td>140</td>
<td>Computer Hardware Engineers</td>
</tr>
<tr>
<td>141</td>
<td>Electrical and Electronics Engineers</td>
</tr>
<tr>
<td>142</td>
<td>Environmental Engineers</td>
</tr>
<tr>
<td>Code</td>
<td>Occupation</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
</tr>
<tr>
<td>143</td>
<td>Industrial Engineers, including Health and Safety</td>
</tr>
<tr>
<td>144</td>
<td>Marine Engineers and Naval Architects</td>
</tr>
<tr>
<td>145</td>
<td>Materials Engineers</td>
</tr>
<tr>
<td>146</td>
<td>Mechanical Engineers</td>
</tr>
<tr>
<td>150</td>
<td>Mining and Geological Engineers, Including Mining Safety Engineers</td>
</tr>
<tr>
<td>151</td>
<td>Nuclear Engineers</td>
</tr>
<tr>
<td>152</td>
<td>Petroleum Engineers</td>
</tr>
<tr>
<td>153</td>
<td>Engineers, All Other</td>
</tr>
<tr>
<td>154</td>
<td>Drafters</td>
</tr>
<tr>
<td>155</td>
<td>Engineering Technicians, Except Drafters</td>
</tr>
<tr>
<td>156</td>
<td>Surveying and Mapping Technicians</td>
</tr>
<tr>
<td>157</td>
<td>Surveyors and Mapping Technicians</td>
</tr>
</tbody>
</table>

**SCI: Life, Physical, and Social Science Occupations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>160</td>
<td>Agricultural and Food Scientists</td>
</tr>
<tr>
<td>161</td>
<td>Biological Scientists</td>
</tr>
<tr>
<td>164</td>
<td>Conservation Scientists and Foresters</td>
</tr>
<tr>
<td>165</td>
<td>Medical Scientists</td>
</tr>
<tr>
<td>170</td>
<td>Astronomers and Physicists</td>
</tr>
<tr>
<td>171</td>
<td>Atmospheric and Space Scientists</td>
</tr>
<tr>
<td>172</td>
<td>Chemists and Materials Scientists</td>
</tr>
<tr>
<td>174</td>
<td>Environmental Scientists and Geoscientists</td>
</tr>
<tr>
<td>176</td>
<td>Physical Scientists, All Other</td>
</tr>
<tr>
<td>180</td>
<td>Economists</td>
</tr>
<tr>
<td>181</td>
<td>Market and Survey Researchers</td>
</tr>
<tr>
<td>182</td>
<td>Psychologists</td>
</tr>
<tr>
<td>183</td>
<td>Sociologists</td>
</tr>
<tr>
<td>184</td>
<td>Urban and Regional Planners</td>
</tr>
<tr>
<td>186</td>
<td>Miscellaneous Social Scientists and Related Workers</td>
</tr>
<tr>
<td>190</td>
<td>Agricultural and Food Science Technicians</td>
</tr>
<tr>
<td>191</td>
<td>Biological Technicians</td>
</tr>
<tr>
<td>192</td>
<td>Chemical Technicians</td>
</tr>
<tr>
<td>193</td>
<td>Geological and Petroleum Technicians</td>
</tr>
<tr>
<td>194</td>
<td>Nuclear Technicians</td>
</tr>
<tr>
<td>196</td>
<td>Other Life, Physical, and Social Science Technicians</td>
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</tbody>
</table>

**CMS: Community and Social Services Occupations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>200</td>
<td>Counselors</td>
</tr>
<tr>
<td>201</td>
<td>Social Workers</td>
</tr>
<tr>
<td>202</td>
<td>Miscellaneous Community and Social Service Specialists</td>
</tr>
<tr>
<td>204</td>
<td>Clergy</td>
</tr>
<tr>
<td>205</td>
<td>Directors, Religious Activities and Education</td>
</tr>
<tr>
<td>206</td>
<td>Religious Workers, All Other</td>
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</tbody>
</table>

**LGL: Legal Occupations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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</thead>
<tbody>
<tr>
<td>210</td>
<td>Lawyers</td>
</tr>
<tr>
<td>211</td>
<td>Judges, Magistrates, and Other Judicial Workers</td>
</tr>
<tr>
<td>214</td>
<td>Paralegals and Legal Assistants</td>
</tr>
<tr>
<td>215</td>
<td>Miscellaneous Legal Support Workers</td>
</tr>
</tbody>
</table>

**EDU: Education, Training, and Library Occupations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>Postsecondary Teachers</td>
</tr>
<tr>
<td>230</td>
<td>Preschool and Kindergarten Teachers</td>
</tr>
<tr>
<td>231</td>
<td>Elementary and Middle School Teachers</td>
</tr>
<tr>
<td>232</td>
<td>Secondary School Teachers</td>
</tr>
<tr>
<td>233</td>
<td>Special Education Teachers</td>
</tr>
<tr>
<td>234</td>
<td>Other Teachers and Instructors</td>
</tr>
</tbody>
</table>
Archivists, Curators, and Museum Technicians
Librarians
Library Technicians
Teacher Assistants
Other Education, Training, and Library Workers

**ENT: Arts, Design, Entertainment, Sports, and Media Occupations**
Artists and Related Workers
Designers
Producers and Directors
Athletes, Coaches, Umpires, and Related Workers
Dancers and Choreographers
Musicians, Singers, and Related Workers
Entertainers and Performers, Sports and Related Workers, All Other
Announcers
News Analysts, Reporters and Correspondents
Public Relations Specialists
Editors
Technical Writers
Technical Writers
Writers and Authors
Miscellaneous Media and Communication Workers
Broadcast and Sound Engineering Technicians and Radio Operators
Photographers
Television, Video, and Motion Picture Camera Operators and Editors
Media and Communication Equipment Workers, All Other

**MED: Healthcare Practitioners and Technical Occupations**
Chiropractors
Dentists
Dieticians and Nutritionists
Optometrists
Pharmacists
Physicians and Surgeons
Physician Assistants
Podiatrists
Registered Nurses
Audiologists
Occupational Therapists
Physical Therapists
Radiation Therapists
Recreational Therapists
Respiratory Therapists
Speech-Language Pathologists
Therapists, All Other
Veterinarians
Health Diagnosing and Treating Practitioners, All Other
Clinical Laboratory Technologists and Technicians
Dental Hygienists
Diagnostic Related Technologists and Technicians
Emergency Medical Technicians and Paramedics
Health Diagnosing and Treating Practitioner Support Technicians
Licensed Practical and Licensed Vocational Nurses
Medical Records and Health Information Technicians
Opticians, Dispensing
Miscellaneous Health Technologists and Technicians
Other Healthcare Practitioners and Technical Occupations

HLS: Healthcare Support Occupations
360 Nursing, Psychiatric, and Home Health Aides
361 Occupational Therapist Assistants and Aides
362 Physical Therapist Assistants and Aides
363 Massage Therapists
364 Dental Assistants
365 Medical Assistants and Other Healthcare Support Occupations

PRT: Protective Service Occupations
370 First-Line Supervisors/Managers of Correctional Officers
371 First-Line Supervisors/Managers of Police and Detectives
372 First-Line Supervisors/Managers of Fire Fighting and Prevention Workers
373 Supervisors, Protective Service Workers, All Other
374 Fire Fighters
375 Fire Inspectors
380 Bailiffs, Correctional Officers, and Jailers
382 Detectives and Criminal Investigators
383 Fish and Game Wardens
384 Parking Enforcement Workers
385 Police and Sheriff's Patrol Officers
386 Transit and Railroad Police
390 Animal Control Workers
391 Private Detectives and Investigators
392 Security Guards and Gaming Surveillance Officers
394 Crossing Guards
395 Lifeguards and Other Protective Service Workers

EAT: Food Preparation and Serving Occupations
400 Chefs and Head Cooks
401 First-Line Supervisors/Managers of Food Preparation and Serving Workers
402 Cooks
403 Food Preparation Workers
404 Bartenders
405 Combined Food Preparation and Serving Workers, Including Fast Food
406 Counter Attendant, Cafeteria, Food Concession, and Coffee Shop
411 Waiters and Waitresses
412 Food Servers, Nonrestaurant
413 Dining Room and Cafeteria Attendants and Bartender Helpers
414 Dishwashers
415 Host and Hostesses, Restaurant, Lounge, and Coffee Shop
416 Food Preparation and Serving Related Workers, All Other

CLN: Building and Grounds Cleaning and Maintenance Occupations
420 First-Line Supervisors/Managers of Housekeeping and Janitorial Workers
421 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers
422 Janitors and Building Cleaners
423 Maids and Housekeeping Cleaners
424 Pest Control Workers
425 Grounds Maintenance Workers

PRS: Personal Care and Service Occupations
430 First-Line Supervisors/Managers of Gaming Workers
432 First-Line Supervisors/Managers of Personal Service Workers
434 Animal Trainers
Nonfarm Animal Caretakers
Gaming Services Workers
Motion Picture Projectionists
Ushers, Lobby Attendants, and Ticket Takers
Miscellaneous Entertainment Attendants and Related Workers
Funeral Service Workers
Barbers
Hairdressers, Hairstylists, and Cosmetologists
Miscellaneous Personal Appearance Workers
Baggage Porters, Bellhops, and Concierges
Tour and Travel Guides
Transportation Attendants
Child Care Workers
Personal and Home Care Aides
Recreation and Fitness Workers
Residential Advisors
Personal Care and Service Workers, All Other

Sales Occupations
First-Line Supervisors/Managers of Retail Sales Workers
First-Line Supervisors/Managers of Non-Retail Sales
Cashiers
Counter and Rental Clerks
Parts Salespersons
Retail Salespersons
Advertising Sales Agents
Insurance Sales Agents
Securities, Commodities, and Financial Services Sales Agents
Travel Agents
Sales Representatives, Services, All Other
Sales Representatives, Wholesale and Manufacturing
Models, Demonstrators, and Product Promoters
Real Estate Brokers and Sales Agents
Sales Engineers
Telemarketers
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
Sales and Related Workers, All Other

Office and Administrative Support Occupations
First-Line Supervisors/Managers of Office and Administrative Support Workers
Switchboard Operators, Including Answering Service
Telephone Operators
Communications Equipment Operators, All Other
Bill and Account Collectors
Billing and Posting Clerks and Machine Operators
Bookkeeping, Accounting, and Auditing Clerks
Gaming Cage Workers
Payroll and Timekeeping Clerks
Procurement Clerks
Tellers
Brokerage Clerks
Correspondence Clerks
Court, Municipal, and License Clerks
Credit Authorizers, Checkers, and Clerks
Customer Service Representatives
Eligibility Interviewers, Government Programs
526 File Clerks
530 Hotel, Motel, and Resort Desk Clerks
531 Interviewers, Except Eligibility and Loan
532 Library Assistants, Clerical
533 Loan Interviewers and Clerks
534 New Account Clerks
535 Order Clerks
536 Human Resources Assistants, Except Payroll and Timekeeping
540 Receptionists and Information Clerks
541 Reservation and Transportation Ticket Agents and Travel Clerks
542 Information and Record Clerks, All Other
550 Cargo and Freight Agents
551 Couriers and Messengers
552 Dispatchers
553 Meter Readers, Utilities
554 Postal Service Clerks
555 Postal Service Mail Carriers
556 Postal Service Mail Sorters, Processors, and Processing Machine Operators
560 Production, Planning, and Expediting Clerks
561 Shipping, Receiving, and Traffic Clerks
562 Stock Clerks and Order Fillers
563 Weighers, Measurers, Checkers, and Samplers, Recordkeeping
570 Secretaries and Administrative Assistants
580 Computer Operators
581 Data Entry Keyers
582 Word Processors and Typists
583 Desktop Publishers
584 Insurance Claims and Policy Processing Clerks
585 Mail Clerks and Mail Machine Operators, Except Postal Service
586 Office Clerks, General
590 Office Machine Operators, Except Computer
591 Proofreaders and Copy Markers
592 Statistical Assistants
593 Office and Administrative Support Workers, All Other

**FFF: Farming, Fishing, and Forestry Occupations**

600 First-Line Supervisors/Managers/Contractors of Farming, Fishing, and Forestry Workers
601 Agricultural Inspectors
602 Animal Breeders
604 Graders and Sorters, Agricultural Products
605 Other Agricultural Workers
610 Fishers and Related Fishing Workers
611 Hunters and Trappers
612 Forest and Conservation Workers
613 Logging Workers

**CON: Construction Trades**

620 First-Line Supervisors/Managers of Construction Trades and Extraction Workers
621 Boilermakers
622 Brickmasons, Blockmasons, and Stonemasons
623 Carpenters
624 Carpet, Floor, and Tile Installers and Finishers
625 Cement Masons, Concrete Finishers, and Terrazzo Workers
626 Construction Laborers
630 Paving, Surfacing, and Tamping Equipment Operators
631 Pile-Driver Operators
632 Operating Engineers and Other Construction Equipment Operators
633 Drywall Installers, Ceiling Tile Installers, and Tapers
635 Electricians
636 Glaziers
640 Insulation Workers
642 Painters, Construction and Maintenance
643 Paperhangers
644 Pipelayers, Plumbers, Pipefitters, and Steamfitters
646 Plasterers and Stucco Masons
650 Reinforcing Iron and Rebar Workers
651 Roofers
652 Sheet Metal Workers
653 Structural Iron and Steel Workers
660 Helpers, Construction Trades
666 Construction and Building Inspectors
670 Elevator Installers and Repairers
671 Fence Erectors
672 Hazardous Materials Removal Workers
673 Highway Maintenance Workers
674 Rail-Track Laying and Maintenance Equipment Operators
675 Septic Tank Servicers and Sewer Pipe Cleaners
676 Miscellaneous Construction and Related Workers

EXT: Extraction Workers
680 Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining
682 Earth Drillers, Except Oil and Gas
683 Explosives Workers, Ordnance Handling Experts, and Blasters
684 Mining Machine Operators
691 Roof Bolters, Mining
692 Roustabouts, Oil and Gas
693 Helpers--Extraction Workers
694 Other Extraction Workers

RPR: Installation, Maintenance, and Repair Workers
700 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers
701 Computer, Automated Teller, and Office Machine Repairers
702 Radio and Telecommunications Equipment Installers and Repairers
703 Avionics Technicians
704 Electric Motor, Power Tool, and Related Repairers
705 Electrical and Electronics Installers and Repairers, Transportation Equipment
710 Electrical and Electronics Repairers, Industrial and Utility
711 Electronic Equipment Installers and Repairers, Motor Vehicles
712 Electronic Home Entertainment Equipment Installers and Repairers
713 Security and Fire Alarm Systems Installers
714 Aircraft Mechanics and Service Technicians
715 Automotive Body and Related Repairers
716 Automotive Glass Installers and Repairers
720 Automotive Service Technicians and Mechanics
721 Bus and Truck Mechanics and Diesel Engine Specialists
722 Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
724 Small Engine Mechanics
726 Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
730 Control and Valve Installers and Repairers
731 Heating, Air Conditioning, and Refrigeration Mechanics and Installers
732 Home Appliance Repairers
733 Industrial and Refractory Machinery Mechanics
734 Maintenance and Repair Workers, General
735 Maintenance Workers, Machinery
736 Millwrights
741 Electrical Power-Line Installers and Repairers
742 Telecommunications Line Installers and Repairers
743 Precision Instrument and Equipment Repairers
751 Coin, Vending, and Amusement Machine Servicers and Repairers
752 Commercial Divers
754 Locksmiths and Safe Repairers
755 Manufactured Building and Mobile Home Installers
756 Riggers
760 Signal and Track Switch Repairers
761 Helpers--Installation, Maintenance, and Repair Workers
762 Other Installation, Maintenance, and Repair Workers

**PRD: Production Occupations**
770 First-Line Supervisors/Managers of Production and Operating Workers
771 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
772 Electrical, Electronics, and Electromechanical Assemblers
773 Engine and Other Machine Assemblers
774 Structural Metal Fabricators and Fitters
775 Miscellaneous Assemblers and Fabricators
780 Bakers
781 Butchers and Other Meat, Poultry, and Fish Processing Workers
783 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
784 Food Batchmakers
785 Food Cooking Machine Operators and Tenders
790 Computer Control Programmers and Operators
792 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
793 Forging Machine Setters, Operators, and Tenders, Metal and Plastic
794 Rolling Machine Setters, Operators, and Tenders, metal and Plastic
795 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
796 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
800 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
801 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
802 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
803 Machinists
804 Metal Furnace and Kiln Operators and Tenders
806 Model Makers and Patternmakers, Metal and Plastic
810 Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
812 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
813 Tool and Die Makers
814 Welding, Soldering, and Brazing Workers
815 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
816 Lay-Out Workers, Metal and Plastic
820 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
821 Tool Grinders, Filers, and Sharpeners
822 Metalworkers and Plastic Workers, All Other
823 Bookbinders and Bindery Workers
824 Job Printers
825 Prepress Technicians and Workers
826 Printing Machine Operators
830 Laundry and Dry-Cleaning Workers
831 Pressers, Textile, Garment, and Related Materials
832 Sewing Machine Operators
833 Shoe and Leather Workers and Repairers
<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
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<tbody>
<tr>
<td>834</td>
<td>Shoe Machine Operators and Tenders</td>
</tr>
<tr>
<td>835</td>
<td>Tailors, Dressmakers, and Sewers</td>
</tr>
<tr>
<td>836</td>
<td>Textile Bleaching and Dyeing Machine Operators and Tenders</td>
</tr>
<tr>
<td>840</td>
<td>Textile Cutting Machine Setters, Operators, and Tenders</td>
</tr>
<tr>
<td>841</td>
<td>Textile Knitting and Weaving Machine Setters, Operators, and Tenders</td>
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<tr>
<td>842</td>
<td>Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders</td>
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<tr>
<td>843</td>
<td>Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers</td>
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<tr>
<td>844</td>
<td>Fabric and Apparel Patternmakers</td>
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<td>845</td>
<td>Upholsterers</td>
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<tr>
<td>846</td>
<td>Textile, Apparel, and Furnishings Workers, All Other</td>
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<tr>
<td>850</td>
<td>Cabinetmakers and Bench Carpenters</td>
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<td>851</td>
<td>Furniture Finishers</td>
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<td>852</td>
<td>Model Makers and Patternmakers, Wood</td>
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<td>853</td>
<td>Sawing Machine Setters, Operators, and Tenders, Wood</td>
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<td>854</td>
<td>Woodworking Machine Setters, Operators, and Tenders, Except Sawing</td>
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<td>Woodworkers, All Other</td>
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<td>860</td>
<td>Power Plant Operators, Distributors, and Dispatchers</td>
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<td>861</td>
<td>Stationary Engineers and Boiler Operators</td>
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<td>862</td>
<td>Water and Liquid Waste Treatment Plant and System Operators</td>
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<td>863</td>
<td>Miscellaneous Plant and System Operators</td>
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<td>864</td>
<td>Chemical Processing Machine Setters, Operators, and Tenders</td>
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<td>865</td>
<td>Crushing, Grinding, Polishing, Mixing, and Blending Workers</td>
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<td>871</td>
<td>Cutting Workers</td>
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<td>872</td>
<td>Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders</td>
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<td>873</td>
<td>Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders</td>
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<tr>
<td>874</td>
<td>Inspectors, Testers, Sorters, Samplers, and Weighers</td>
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<td>875</td>
<td>Jewelers and Precious Stone and Metal Workers</td>
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<tr>
<td>876</td>
<td>Medical, Dental, and Ophthalmic Laboratory Technicians</td>
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<td>880</td>
<td>Packaging and Filling Machine Operators and Tenders</td>
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<td>881</td>
<td>Painting Workers</td>
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<td>883</td>
<td>Photographic Process Workers and Processing Machine Operators</td>
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<td>884</td>
<td>Semiconductor Processors</td>
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<td>885</td>
<td>Cementing and Gluing Machine Operators and Tenders</td>
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<td>886</td>
<td>Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders</td>
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<td>890</td>
<td>Cooling and Freezing Equipment Operators and Tenders</td>
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<td>891</td>
<td>Etchers and Engravers</td>
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<td>892</td>
<td>Molders, Shapers, and Casters, Except Metal and Plastic</td>
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<td>894</td>
<td>Tire Builders</td>
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<td>895</td>
<td>Helpers--Production Workers</td>
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<td>Production Workers, All Other</td>
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**TRN: Transportation and Material Moving Occupations**

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<tr>
<th>Code</th>
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<tr>
<td>900</td>
<td>Supervisors, Transportation and Material Moving Workers</td>
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<tr>
<td>903</td>
<td>Aircraft Pilots and Flight Engineers</td>
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<tr>
<td>904</td>
<td>Air Traffic Controllers and Airfield Operations Specialists</td>
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<tr>
<td>911</td>
<td>Ambulance Drivers and Attendants, Except Emergency Medical Technicians</td>
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<tr>
<td>912</td>
<td>Bus Drivers</td>
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<tr>
<td>913</td>
<td>Driver/Sales Workers and Truck Drivers</td>
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<tr>
<td>914</td>
<td>Taxi Drivers and Chauffeurs</td>
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<tr>
<td>915</td>
<td>Motor Vehicle Operators, All Other</td>
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<tr>
<td>920</td>
<td>Locomotive Engineers and Operators</td>
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<td>923</td>
<td>Railroad Brake, Signal, and Switch Operators</td>
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<tr>
<td>924</td>
<td>Railroad Conductors and Yardmasters</td>
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<tr>
<td>926</td>
<td>Subway, Streetcar, and Other Rail Transportation Workers</td>
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<tr>
<td>930</td>
<td>Sailors and Marine Oilers</td>
</tr>
</tbody>
</table>
931 Ship and Boat Captains and Operators
933 Ship Engineers
934 Bridge and Lock Tenders
935 Parking Lot Attendants
936 Service Station Attendants
941 Transportation Inspectors
942 Other Transportation Workers
950 Conveyor Operators and Tenders
951 Crane and Tower Operators
952 Dredge, Excavating, and Loading Machine Operators
956 Hoist and Winch Operators
960 Industrial Truck and Tractor Operators
961 Cleaners of Vehicles and Equipment
962 Laborers and Freight, Stock, and Material Movers, Hand
963 Machine Feeders and Off bearers
964 Packers and Packagers, Hand
965 Pumping Station Operators
972 Refuse and Recyclable Material Collectors
973 Shuttle Car Operators
974 Tank Car, Truck, and Ship Loaders
975 Material Moving Workers, All Other

MIL: Military Specific Occupations
980 Military Officer Special and Tactical Operations Leaders/Managers
981 First-Line Enlisted Military Supervisors/Managers
982 Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members
983 Military, Rank Not Specified (Census only)
999 DK; NA; Don’t know; Not ascertained

E. HRS 2006 Unmasked Industry

For 2006 and beyond, industry information reported by HRS respondents was coded using the 2002 Census Industry Classification System. This coding system was derived from the 2002 North American Industry Classification System (NAICS) and was introduced into the Current Population Survey beginning in 2003.

2002 Census Industry Classification System (3-Digit)

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<thead>
<tr>
<th>2002 Census Code</th>
<th>Description</th>
<th>2002 NAICS Code</th>
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<tbody>
<tr>
<td>Agriculture, Forestry, Fishing, and Hunting</td>
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<tr>
<td>017 018 019 027 028 029</td>
<td>Crop production Animal production Forestry except logging Logging Fishing, hunting, and trapping Support activities for agriculture and forestry</td>
<td>111 112 1131, 1132 1133 114 115</td>
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<tr>
<td>Mining</td>
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<tr>
<td>037 038 039</td>
<td>Oil and gas extraction Coal mining Metal ore mining</td>
<td>211 2121 2122</td>
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<td>Code</td>
<td>Description</td>
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<tr>
<td>047</td>
<td>Nonmetallic mineral mining and quarrying</td>
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<tr>
<td>048</td>
<td>Not specified type of mining</td>
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<td>049</td>
<td>Support activities for mining</td>
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<td>057</td>
<td>Electric power generation, transmission and distribution</td>
<td>Pt. 2211</td>
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<td>058</td>
<td>Natural gas distribution</td>
<td>Pt. 2212</td>
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<td>059</td>
<td>Electric and gas, and other combinations</td>
<td>Pts. 2211, 2212</td>
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<td>067</td>
<td>Water, steam, air-conditioning, and irrigation systems</td>
<td>22131, 22133</td>
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<td>068</td>
<td>Sewage treatment facilities</td>
<td>22132</td>
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<tr>
<td>069</td>
<td>Not specified utilities</td>
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<tr>
<td>077</td>
<td>Construction</td>
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<tr>
<td>077</td>
<td>** Construction</td>
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<tr>
<td></td>
<td>(Includes the cleaning of buildings and dwellings incidental</td>
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<tr>
<td></td>
<td>to construction and immediately after construction)</td>
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<td>107</td>
<td>Animal food, grain and oilseed milling</td>
<td>3111, 3112</td>
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<td>108</td>
<td>Sugar and confectionery products</td>
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<td>109</td>
<td>Fruit and vegetable preserving and specialty food manufacturing</td>
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<td>117</td>
<td>Dairy product manufacturing</td>
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<td>118</td>
<td>Animal slaughtering and processing</td>
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<td>119</td>
<td>Retail bakeries</td>
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<td>127</td>
<td>Bakeries, except retail</td>
<td>3118 exc. 311811</td>
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<td>128</td>
<td>Seafood and other miscellaneous foods, n.e.c.</td>
<td>3117, 3119</td>
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<td>129</td>
<td>Not specified food industries</td>
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<td>137</td>
<td>Beverage manufacturing</td>
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<td>Tobacco manufacturing</td>
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<td>147</td>
<td>Fiber, yarn, and thread mills</td>
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<td>148</td>
<td>Fabric mills, except knitting</td>
<td>3132 exc. 31324</td>
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<td>149</td>
<td>Textile and fabric finishing and coating mills</td>
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<td>157</td>
<td>Carpet and rug mills</td>
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<td>159</td>
<td>Textile product mills, except carpets and rugs</td>
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<td>167</td>
<td>Knitting mills</td>
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<td>168</td>
<td>Cut and sew apparel manufacturing</td>
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<td>169</td>
<td>Apparel accessories and other apparel manufacturing</td>
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<td>177</td>
<td>Footwear manufacturing</td>
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<td>179</td>
<td>Leather tanning and products, except footwear manufacturing</td>
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<td>187</td>
<td>Pulp, paper, and paperboard mills</td>
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<td>188</td>
<td>Paperboard containers and boxes</td>
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<td>189</td>
<td>Miscellaneous paper and pulp products</td>
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<td>Printing and related support activities</td>
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<td>Petroleum refining</td>
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<td>Resin, synthetic rubber and fibers, and filaments manufacturing</td>
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<td>Agricultural chemical manufacturing</td>
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<td>219</td>
<td>Pharmaceutical and medicine manufacturing</td>
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<td>227</td>
<td>Paint, coating, and adhesive manufacturing B46</td>
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<td>228</td>
<td>Soap, cleaning compound, and cosmetics manufacturing</td>
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<td>Industrial and miscellaneous chemicals</td>
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<td>Plastics product manufacturing</td>
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<td>238</td>
<td>Tire manufacturing</td>
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<td>239</td>
<td>Rubber products, except tires, manufacturing</td>
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<td>Code</td>
<td>Description</td>
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<tr>
<td>247</td>
<td>Pottery, ceramics, and related products manufacturing</td>
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<td>Structural clay product manufacturing</td>
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<td>249</td>
<td>Glass and glass product manufacturing</td>
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<td>257</td>
<td>Cement, concrete, lime, and gypsum product manufacturing</td>
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<td>259</td>
<td>Miscellaneous nonmetallic mineral product manufacturing</td>
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<td>267</td>
<td>Iron and steel mills and steel product manufacturing</td>
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<td>268</td>
<td>Aluminum production and processing</td>
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<td>269</td>
<td>Nonferrous metal, except aluminum, production and processing</td>
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<td>277</td>
<td>Foundries</td>
<td>3315</td>
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<td>278</td>
<td>Metal forgings and stampings</td>
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<td>279</td>
<td>Cutlery and hand tool manufacturing</td>
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<td>287</td>
<td>Structural metals, and tank and shipping container manufacturing</td>
<td>3323, 3324</td>
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<td>288</td>
<td>Machine shops; turned product; screw, nut and bolt manufacturing</td>
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<td>289</td>
<td>Coating, engraving, heat treating and allied activities</td>
<td>3328</td>
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<td>297</td>
<td>Ordnance</td>
<td>332992 to 332995</td>
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<td>298</td>
<td>Miscellaneous fabricated metal products manufacturing</td>
<td>3325, 3326, 3329 exc. 332992, 332993, 332994, 332995</td>
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<td>299</td>
<td>Not specified metal industries</td>
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<td>307</td>
<td>Agricultural implement manufacturing</td>
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<td>308</td>
<td>Construction, mining and oil field machinery manufacturing</td>
<td>33312, 33313</td>
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<td>309</td>
<td>Commercial and service industry machinery manufacturing</td>
<td>3333</td>
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<td>317</td>
<td>Metalworking machinery manufacturing</td>
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<td>Engines, turbines, and power transmission equipment manufacturing</td>
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<td>Machinery manufacturing, n.e.c.</td>
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<td>Not specified machinery manufacturing</td>
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<tr>
<td>336</td>
<td>Computer and peripheral equipment manufacturing</td>
<td>3341</td>
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<td>Communications, audio, and video equipment manufacturing</td>
<td>3342, 3343</td>
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<td>Navigational, measuring, electromedical, and control instruments manufacturing</td>
<td>3344, 3346</td>
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<td>Electronic component and product manufacturing, n.e.c.</td>
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<td>Household appliance manufacturing</td>
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<td>3361, 3362, 3363</td>
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<td>357</td>
<td>Motor vehicles and motor vehicle equipment manufacturing</td>
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<td>358</td>
<td>Aircraft and parts manufacturing</td>
<td>336414, 336415, 336419</td>
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<td>Aerospace products and parts manufacturing</td>
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<td>367</td>
<td>Railroad rolling stock manufacturing</td>
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<td>368</td>
<td>Ship and boat building</td>
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<td>369</td>
<td>Other transportation equipment manufacturing</td>
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</tr>
<tr>
<td>377</td>
<td>Sawmills and wood preservation</td>
<td>3212</td>
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<td>378</td>
<td>Veneer, plywood, and engineered wood products</td>
<td>3219 to 321992</td>
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<tr>
<td>379</td>
<td>Prefabricated wood buildings and mobile homes</td>
<td>321991, 321992</td>
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<tr>
<td>387</td>
<td>Miscellaneous wood products</td>
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<tr>
<td>389</td>
<td>Furniture and related product manufacturing</td>
<td>3391</td>
</tr>
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<td>396</td>
<td>Medical equipment and supplies manufacturing</td>
<td>33992, 33993</td>
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<td>397</td>
<td>Toys, amusement, and sporting goods manufacturing</td>
<td>33999 exc. 33992, 33993</td>
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<td>Miscellaneous manufacturing, n.e.c.</td>
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<tr>
<td>399</td>
<td>Not specified manufacturing industries</td>
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### Wholesale Trade, Durable Goods Wholesale

<table>
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<th>Code</th>
<th>Description</th>
<th>NAICS Code(s)</th>
</tr>
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<tbody>
<tr>
<td>407</td>
<td>** Motor vehicles, parts and supplies, merchant wholesalers</td>
<td>*4231</td>
</tr>
<tr>
<td>408</td>
<td>** Furniture and home furnishing, merchant wholesalers</td>
<td>*4232</td>
</tr>
<tr>
<td>409</td>
<td>** Lumber and other construction materials, merchant wholesalers</td>
<td>*4233</td>
</tr>
<tr>
<td>417</td>
<td>** Professional and commercial equipment and supplies, merchant wholesalers</td>
<td>*4234</td>
</tr>
</tbody>
</table>
** Metals and minerals, except petroleum, merchant wholesalers  *4235
** Electrical goods, merchant wholesalers  *4236
** Hardware, plumbing and heating equipment, and supplies, merchant wholesalers  *4237
** Machinery, equipment, and supplies, merchant wholesalers  *4238
** Recyclable material, merchant wholesalers  *42393
** Miscellaneous durable goods, merchant wholesalers  *4239 exc. 42393

** Nondurable Goods Wholesale

** Paper and paper products, merchant wholesalers  *4241
** Drugs, sundries, and chemical and allied products, merchant wholesalers  *4242, 4246
** Apparel, fabrics, and notions, merchant wholesalers  *4243
** Groceries and related products, merchant wholesalers  *4244
** Farm product raw materials, merchant wholesalers  *4245
** Petroleum and petroleum products, merchant wholesalers  *4247
** Alcoholic beverages, merchant wholesalers  *4248
** Farm supplies, merchant wholesalers  *42491
** Miscellaneous nondurable goods, merchant wholesalers; *** Wholesale electronic markets, agents and brokers (*4585)
** Not specified wholesale trade  Part of 42

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Hardware stores  44413
Lawn and garden equipment and supplies stores  4442
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Beer, wine, and liquor stores  4453
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Health and personal care, except drug, stores  446 exc. 44611
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Clothing and accessories, except shoe, stores  448 exc. 44821, 4483
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Sewing, needlework, and piece goods stores  45113
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****Department stores and discount stores  45211
Miscellaneous general merchandise stores  4529
Retail florists  4531
Office supplies and stationery stores  45321
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Gift, novelty, and souvenir shops  45322
Miscellaneous retail stores  4539
**** Electronic shopping; *** Electronic auctions (*5591 ); ** Mail order houses (*5592 )

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Fuel dealers  45431
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609 Water transportation 483
617 Truck transportation 484
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619 Taxi and limousine service 4853
627 Pipeline transportation 486
628 Scenic and sightseeing transportation 487
629 Services incidental to transportation 488
637 Postal Service 491
638 Couriers and messengers 492
639 Warehousing and storage 493

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648 **Publishing, except newspapers and software 5111 exc. 51111
649 Software publishing 5112
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659 Sound recording industries 5122
667 Radio and television broadcasting and cable; *** Internet publishing and broadcasting (*6675 ) 5151, 5152, 5175; New industry, *5161
668 Wired telecommunications carriers *5171
669 Other telecommunications services; *** Internet service providers (*6692 ); **** Data processing, hosting, and related services (*6695 ) *5171 exc. 5175; New industry, *5181; *5182
677 Libraries and archives *51912
678 Other information services *5191 exc. 51912

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Finance and Insurance

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757 Management of companies and enterprises 551

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759 Business support services 5614
767 Travel arrangements and reservation services 5615
768 Investigation and security services 5616
769 ** Services to buildings and dwellings (except cleaning during construction and immediately after construction) 5617 exc. 56173
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798 Offices of dentists 6212
799 Offices of chiropractors 62131
807 Offices of optometrists 62132
808 Offices of other health practitioners 6213 exc. 62131, 62132
809 Outpatient care centers 6214
817 Home health care services 6215, 6219
818 Other health care services 622
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838 Community food and housing, and emergency services 6242
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857 Museums, art galleries, historical sites, and similar institutions 712
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859 Other amusement, gambling, and recreation industries 713 exc. 71395
### Accommodation and Food Services

<table>
<thead>
<tr>
<th>Code</th>
<th>Service Description</th>
<th>NAICS Codes</th>
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<td>Traveler accommodation</td>
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<tr>
<td>867</td>
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<td>7212, 7213</td>
</tr>
<tr>
<td>868</td>
<td>Restaurants and other food services</td>
<td>722 exc. 7224</td>
</tr>
<tr>
<td>869</td>
<td>Drinking places, alcoholic beverages</td>
<td>7224</td>
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</table>

### Other Services (Except Public Administration)

<table>
<thead>
<tr>
<th>Code</th>
<th>Service Description</th>
<th>NAICS Codes</th>
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</thead>
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<td>877</td>
<td>Automotive repair and maintenance</td>
<td>8111 exc. 81192</td>
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<tr>
<td>878</td>
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<td>811192</td>
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<tr>
<td>879</td>
<td>Electronic and precision equipment repair and maintenance</td>
<td>8112</td>
</tr>
<tr>
<td>887</td>
<td>Commercial and industrial machinery and equipment repair and maintenance</td>
<td>8113</td>
</tr>
<tr>
<td>888</td>
<td>Personal and household goods repair and maintenance</td>
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<tr>
<td>889</td>
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<td>Barber shops</td>
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<td>898</td>
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</tr>
<tr>
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<td>812113, 81219</td>
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<td>907</td>
<td>Dry cleaning and laundry services</td>
<td>8123</td>
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<tr>
<td>908</td>
<td>Funeral homes, cemeteries, and crematories</td>
<td>8122</td>
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<tr>
<td>909</td>
<td>Other personal services</td>
<td>8129</td>
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<tr>
<td>916</td>
<td>Religious organizations</td>
<td>8131</td>
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<tr>
<td>917</td>
<td>Civic, social, advocacy organizations, and grant-making and giving services</td>
<td>8132, 8133, 8134</td>
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<tr>
<td>918</td>
<td>Labor unions</td>
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<tr>
<td>919</td>
<td>Business, professional, political, and similar organizations</td>
<td>8139 exc. 81393</td>
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<tr>
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<td>Private households</td>
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### Public Administration

<table>
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<th>Code</th>
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<td>92111, 92112, 92114, pt. 92115</td>
</tr>
<tr>
<td>938</td>
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<td>92113</td>
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<tr>
<td>939</td>
<td>Other general government and support</td>
<td>92119</td>
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<tr>
<td>947</td>
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<td>948</td>
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<td>959</td>
<td>National security and international affairs</td>
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</table>

### Armed Forces

<table>
<thead>
<tr>
<th>Code</th>
<th>Branch Description</th>
<th>NAICS Codes</th>
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<tbody>
<tr>
<td>967</td>
<td>U.S. Army</td>
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<tr>
<td>986</td>
<td>U.S. Air Force</td>
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<td>969</td>
<td>U.S. Navy</td>
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<td>U.S. Marines</td>
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<td>978</td>
<td>U.S. Coast Guard</td>
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<td>979</td>
<td>U.S. Armed Forces, branch not specified</td>
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<tr>
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<td>Military Reserves or National Guard</td>
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<tr>
<td>989</td>
<td>Armed Forces</td>
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</tr>
</tbody>
</table>

### Notes

* Code changed from 2000 (In addition to adding of fourth digit)
** Industry content changed from 2000, name may have changed
*** New industry
**** Industry name changed, content did not