

Holland Codes for the 1960 and 1970 Census

Detailed Occupational Titles

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Abstract

Holland's (1973) classification of personality types and occupational environments has been widely used in vocational counseling and in research on occupational choice. Like other vocational classifications, however, it has seldom been used to describe the labor market realities that job seekers and job changers face. A vast amount of information about job opportunities, employment barriers, and other labor market conditions is routinely collected by the Federal government, but it is underutilized by both counselors and researchers. This report seeks to promote the use of census data on employment by providing Holland codes for the 297-category 1960 and the 440-category 1970 census taxonomies of occupations. Two measures of occupational level--general educational development (GED) level and occupational prestige rating--are also provided for each detailed census occupational title. Implications for research on careers and for testing the validity of Holland's classification and theory are discussed.

## Holland Codes for the 1960 and 1970 Census

## Detailed Occupational Titles

John L. Holland's classification of people and jobs has been widely used in vocational psychology and counseling, and methods have been developed to assign Holland codes to all occupational titles. Holland (1973) has described the method and empirical evidence by which he derived codes for approximately 450 occupations. Viernstein (1972) has developed a method for estimating codes for all 20,000 occupational titles listed in the Dictionary of Occupational Titles (U.S. Department of Labor, 1965).

The most frequently used grouping of occupational titles is that of the U.S. Bureau of the Census which groups the thousands of occupational titles into several hundred detailed categories (U.S. Bureau of the Census, 1971). The vast amount of information about jobs and workers routinely collected according to this set of occupational titles can be of great value to vocational counselors and researchers when it is associated with the psychological classifications of occupations which they use. For example, Gottfredson, Holland, and Gottfredson (1975) used census data to show that over half of the jobs in the U.S. may be classified as realistic according to Holland's scheme, while less than 2% may be classified as artistic. This labor market reality has obvious implications for counselors helping people to choose, locate, and compete for different kinds of work and for researchers studying the process of vocational choice and adjustment. Career stability (G. Gottfredson, 1977), age, sex, and time differences in employment (G. Gottfredson and D. Daiger, 1977), as well as racial inequality and income differences (L. Gottfredson, 1977) have also been investigated using census data grouped according to Holland categories.

The object of this paper is to provide a tool to researchers who wish to use both census data and Holland's classification of people and jobs. Holland codes for the 1960 and 1970 detailed census occupational titles are presented. These codes include the recent improvements in Holland's classification which are reflected in his (1977) revised Occupations Finder. General educational development (GED) level and occupational prestige rating are also provided for each detailed census title.

ProcedureHolland Codes for 1970 Detailed Census Occupational Titles

The approximately 500 occupations for which Holland (1977) lists empirically derived codes were matched to appropriate detailed occupational titles in the census classification. When 1970 census detailed titles matched a single occupation in Holland's list, the Holland code for that occupation was assigned to the corresponding census title. When more than one occupation in Holland's list corresponded to a single census title, the most common code among those occupations was assigned to the census title. When no occupation in Holland's list

could be matched to a census title, a code was assigned by looking that title up in the Dictionary of Occupational Titles and applying Viernstein's translation procedure.

Holland codes are provided here for 428 of the 440 detailed census occupational titles. Holland codes are not provided for the "allocated" categories in the census scheme. These categories include people whose occupation was not known but who were allocated to one of the major census categories (e.g. professional, technical, and kindred workers; managers and administrators, except farm; or sales workers) on the basis of their demographic characteristics. Neither is a Holland code provided for the census category "former members of the Armed Forces" (census code 580). On the other hand, Holland codes are presented here for 35 additional occupational subtitles under the detailed census title "managers and administrators, n.e.c." (245). These additional occupational titles are included here because of the large number and rather diverse nature of the occupations within the detailed census category of "managers and administrators, n.e.c.", and because Holland codes for these titles have been found useful in previous work.

Because the codes presented here are based on Holland's recently revised Occupations Finder, some of these Holland codes are different from those published by Holland in 1973 and from those used in the empirical work with census data cited above. However, most of these changes are minor. Of the 463 detailed census occupational titles presented here, the three-letter Holland codes differ for only 34 census titles. The first letter of the code has been changed for only 10 occupations: civil engineers (011), sales engineers (022), operations and systems researchers and analysts (055), mechanics and repairmen, farm implement (480), mechanics and repairmen, heavy equipment mechanics, incl. diesel (481), mechanics and repairmen, radio and television (485), photoengravers and lithographers (515), marshals and constables (963), policemen and detectives (964), and sheriffs and bailiffs (965).

#### Holland Codes for 1960 Detailed Census Occupational Titles

The U.S. Bureau of the Census classification of occupations for 1960 and 1970 differ. The major difference between these classifications is that the 1970 scheme is more detailed and therefore contains more occupational titles. In order to provide Holland codes for the 1960 detailed census occupational titles it was necessary to determine the degree of correspondence between 1960 and 1970 census titles. This was done by examining tabulations in the 1970 Occupation and Industry Classification Systems in Terms of Their 1960 Occupation and Industry Elements (U.S. Bureau of the Census, 1972). In many cases, more than one 1970 detailed census title corresponds to a single 1960 detailed census title. However, the first or second letter of the Holland codes for the 1970 titles corresponding to a single 1960 category are generally the same. Only two 1960 census titles are particularly heterogeneous with respect to Holland category of work-- professional, technical, and kindred workers, n.e.c. (195) and agents, n.e.c. (301). When more than one 1970 code was available for a 1960 title, the

Holland code for the 1970 title containing the greatest number of workers was assigned to the 1960 title.

### Occupational Level

Two indicators of occupational level are presented here-- general educational development (GED) level and occupational prestige. GED level, an estimate of the educational level required to perform a job, was obtained from the Dictionary of Occupational Titles (1965). Occupational prestige scores are derived from ratings by the general public of the desirability of jobs. The prestige scores for both 1960 and 1970 census titles were obtained from Temme (1975). GED is reported on a scale from 1 to 6; prestige on a scale from 0 to 96. The two scales are correlated about .9.

Appendix 1 provides information for the 1960 census titles; Appendix 2 for the 1970 titles. The census titles are listed in order according to their three-digit census code.

### Discussion

The list of Holland codes provided here for 1960 and 1970 detailed census occupational titles is useful to both researchers and practitioners in vocational psychology and in other disciplines. Holcomb and Anderson (1977) have noted that only 8% of the research in vocational guidance has been devoted to career information such as job descriptions and the availability of job opportunities. By providing Holland codes for census occupational titles, much information about jobs becomes more readily available to both vocational counselors and researchers. Census data provide much practical information about the reality job seekers and job changers face. Unemployment rates, the location of job openings, and current and projected demands for different types of workers, for example, provide a more complete information base with which to guide and examine occupational behavior. The census data can also be used to further test the validity of Holland's scheme. For example, theoretical predictions about vocational success and mobility can be tested using census data on income, job terminations, and job transfers. Use of this list of Holland codes should also promote the comparability of research employing Holland's classification of people and jobs.

Researchers in other disciplines such as sociology and economics commonly use census data in their studies of occupations and workers. By providing Holland codes for census titles, these researchers will have ready access to the vast amount of information about individual differences among workers which has been gathered using Holland's scheme.

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## Appendix 1: 1960 Occupational Titles

Holland Codes, General Educational Development (GED) Level,  
and Prestige of 1960 Census Detailed Occupational Titles

1960 Census Code	Holland Code	GED Level	Prestige	Occupational Title
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS				
000	CES	5	60.7	Accountants and auditors
010	AIS	5	56.8	Actors and actresses
012	IRC	5	59.7	Airplane pilots and navigators
013	AIR	6	65.5	Architects
014	ASI	5	55.9	Artists and art teachers
015	SRE	3	40.6	Athletes
020	ASI	6	64.7	Authors
021	IAR	6	68.5	Chemists
022	ISR	5	59.5	Chiropractors
023	SAI	6	62.8	Clergymen
030	SEI	6	76.4	College Presidents and deans
				Professors and instructors
031	IRS	6	73.9	Agricultural sciences
032	ISR	6	74.2	Biological sciences
034	IAR	6	74.1	Chemistry
035	IAS	6	73.3	Economics
040	IRE	6	74.3	Engineering
041	IRA	6	73.5	Geology and geophysics
042	IAS	6	72.7	Mathematics
043	ISA	6	75.8	Medical sciences
045	IAR	6	72.3	Physics
050	SIA	6	74.7	Psychology
051	IAS	6	73.6	Statistics
052	IRS	6	65.6	Natural sciences, n.e.c.*
053	SIA	6	74.0	Social sciences, n.e.c.
054	SIA	6	72.9	Nonscientific subjects
060	SIA	6	73.0	Subject not specified
070	AES	5	44.9	Dancers and dancing teachers
071	ISR	6	76.8	Dentists
072	AIS	5	55.7	Designers
073	SIE	4	48.8	Dietitians and nutritionists
074	RIE	5	52.1	Draftsmen
075	ASE	5	62.6	Editors and reporters
				Engineers
080	IRE	6	69.9	Aeronautical
081	IRE	6	70.6	Chemical
082	IRE	5	62.6	Civil
083	IRE	6	69.0	Electrical
084	ERI	5	63.6	Industrial
085	RIE	6	66.9	Mechanical
090	IRE	6	68.9	Metallurgical and metallurgists

091	RIE	5	66.0	Mining
092	EIS	5	64.6	Sales
093	IRE	6	66.5	Engineers, n.e.c.
101	AES	4	44.0	Entertainers, n.e.c.
102	SRI	5	62.3	Farm and home management advisors
103	RIS	5	47.5	Foresters and conservationists
104	SEC	5	55.2	Funeral directors and embalmers
105	EAS	6	76.5	Lawyers and judges
111	SAI	5	61.3	Librarians
120	ASI	5	55.4	Musicians and music teachers
				Natural scientists, n.e.c.
130	IRS	6	68.5	Agricultural scientists
131	ISR	6	70.6	Biological scientists
134	IRA	6	70.7	Geologists and geophysicists
135	IAS	6	74.9	Mathematicians
140	IAR	6	72.6	Physicists
145	IRS	6	61.0	Miscellaneous natural scientists
150	SIA	4	52.1	Nurses, professional
151	SIA	3	29.7	Nurses, student professional
152	ISR	5	63.3	Optometrists
153	ISR	6	73.5	Osteopaths
154	ESC	5	60.3	Personnel and labor relations workers
160	IES	5	60.4	Pharmacists
161	AIR	4	45.8	Photographers
162	ISA	6	88.5	Physicians and surgeons
163	AES	5	64.0	Public relations men and publicity writers
164	RIS	4	46.7	Radio operators
165	SCE	5	55.3	Recreation and group workers
170	SAI	5	50.8	Religious workers
171	SIA	5	61.7	Social and welfare workers, except group
				Social scientists
172	IAS	6	69.3	Economists
173	SIA	6	71.5	Psychologists
174	IAS	5	59.8	Statisticians and actuaries
175	SIA	6	64.8	Miscellaneous social scientists
180	SRE	5	59.9	Sports instructors and officials
181	RCI	5	51.8	Surveyors
182	SAE	5	62.2	Teachers, elementary schools
183	SAE	5	64.7	Teachers, secondary schools
184	SAE	5	58.0	Teachers, n.e.c.
185	ISR	4	47.3	Technicians, medical and dental
190	IRE	5	49.8	Technicians, electrical and electronic
191	IRE	4	47.5	Technicians, other engineering and physical sciences
192	RIE	4	47.3	Technicians, n.e.c.
193	SIR	4	54.6	Therapists and healers, n.e.c.
194	IRS	5	65.8	Veterinarians



195	IRC	5	61.6	Professional, technical, and kindred workers, n.e.c.
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## FARMERS AND FARM MANAGERS

200	RIE	4	27.8	Farmers (owners and tenants)
222	ERI	4	40.7	Farm managers

## MANAGERS, OFFICIALS, AND PROPRIETORS, EXCEPT FARM

250	ESC	5	50.5	Buyers and department heads, store
251	ECS	4	46.3	Buyers and shippers, farm produce
252	RSE	4	46.4	Conductors, railroad
253	CES	5	56.2	Credit men
254	ESC	4	41.8	Floor men and floor managers, store
260	SIE	4	48.7	Inspectors, public administration
262	SRE	5	35.4	Managers and superintendents, building
265	REI	4	45.1	Officers, pilots, pursers, and engineers, ship
270	ESC	5	54.0	Officials and administrators, n.e.c., public administration
275	SCE	5	55.1	Officials, lodge, society, union, etc.
280	ERC	4	48.4	Postmasters
285	ECS	4	50.2	Purchasing agents and buyers, n.e.c.
290	ESC	4	50.9	Managers, officials, and proprietors, n.e.c.

## CLERICAL AND KINDRED WORKERS

301	ECS	4	50.8	Agents, n.e.c.
302	CSA	4	36.5	Attendants and assistants, library
303	SAI	4	43.9	Attendants, physician's and dentist's office
304	RSC	2	27.6	Baggagemen, transportation
305	CSE	4	44.9	Bank tellers
310	CSI	4	45.8	Bookkeepers
312	CSI	3	32.2	Cashiers
313	RSC	3	35.4	Collectors, bill and account
314	ESC	3	39.4	Dispatchers and starters, vehicle
315	CER	3	36.3	Express messengers and railway mail clerks
320	CRS	3	35.2	File clerks
321	ESC	4	56.6	Insurance adjusters, examiners, and investigators
323	RCS	3	35.6	Mail carriers
324	CSR	2	18.2	Messengers and office boys
325	CRI	3	38.6	Office machine operators
333	CIE	4	43.7	Payroll and timekeeping clerks

340	CER	4	42.7	Postal clerks
341	CSE	3	36.7	Receptionists
342	CSA	4	47.5	Secretaries
343	RIC	3	33.0	Shipping and receiving clerks
345	CES	3	41.5	Stenographers
350	RES	3	34.8	Stock clerks and storekeepers
351	CSR	2	22.0	Telegraph messengers
352	CIR	3	42.1	Telegraph operators
353	CSE	3	36.2	Telephone operators
354	SCE	4	43.9	Ticket, station and express agents
360	CSE	3	37.8	Typists
370	CES	4	40.9	Clerical and kindred workers, n.e.c.

## SALES WORKERS

380	AES	5	48.8	Advertising agents and salesmen
381	ESC	3	42.9	Auctioneers
382	ESC	3	27.1	Demonstrators
383	ESC	3	25.9	Hucksters and peddlers
385	ECS	4	49.3	Insurance agents, brokers and underwriters
390	ESC	3	7.9	Newsboys
393	ECS	4	47.0	Real estate agents and brokers
394	ESC	3	37.9	Salesmen and sales clerks, n.e.c.
395	ESA	6	60.4	Stock and bond salesmen

## CRAFTSMEN, FOREMEN, AND KINDRED WORKERS

401	RIS	3	32.2	Bakers
402	RSE	4	34.6	Blacksmiths
403	RIE	4	38.0	Boilermakers
404	RAI	3	34.8	Bookbinders
405	RCS	3	35.8	Brickmasons, stonemasons and tile setters
410	RCI	4	37.6	Cabinetmakers
411	RCI	4	38.0	Carpenters
413	RCS	3	32.5	Cement and concrete finishers
414	RAI	4	46.4	Compositors and typesetters
415	RCE	3	31.6	Cranemen, derrickmen, and hoistmen
420	AIE	4	44.6	Decorators and window dressers
421	RIS	4	44.6	Electricians
423	RIC	3	43.8	Electrotypers and stereotypers
424	RIE	3	39.0	Engravers, except photoengravers
425	RIE	3	31.2	Excavating, grading, and road machinery operators
430	REI	4	44.9	Foremen, n.e.c.
431	RIE	3	33.8	Forgemen and hammermen
432	AIS	4	41.6	Furriers
434	RIS	3	34.4	Glaziers
435	RIS	3	37.6	Heat treaters, annealers, and temperers

444	RCI	3	29.9	Inspectors, scalers, and graders, log and lumber
450	RIC	3	41.0	Inspectors, n.e.c.
451	RIS	4	39.6	Jewelers, watchmakers, goldsmiths, and silversmiths
452	RIE	4	39.9	Job setters, metal
453	RIE	4	43.4	Linemen and servicemen, telegraph, telephone and power
454	RES	4	44.2	Locomotive engineers
460	RSE	4	45.0	Locomotive firemen
461	RIS	4	34.0	Loom fixers
465	RIE	4	41.6	Machinists
470	RIE	4	40.6	Mechanics and repairmen, air conditioning, heating, and refrigeration
471	RIE	4	44.8	Mechanics and repairmen, airplane
472	RIE	4	36.7	Mechanics and repairmen, automobile
473	RCI	4	44.6	Mechanics and repairmen, office machine
474	RIE	4	42.0	Mechanics and repairmen, radio and television
475	RIE	4	35.5	Mechanics and repairmen, railroad and car shop
480	RIE	4	38.4	Mechanics and repairmen, n.e.c.
490	RIS	4	19.4	Millers, grain, flour, feed, etc.
491	RIE	4	41.4	Millwrights
492	RSE	4	34.8	Molders, metal
493	RCI	4	38.4	Motion picture projectionists
494	RIS	3	36.1	Opticians, and lens grinders and polishers
495	RCI	3	30.8	Painters, construction and maintenance
501	RCS	3	28.5	Paperhangers
502	IRC	5	46.8	Pattern and model makers, except paper
503	AIR	4	45.1	Photoengravers and lithographers
504	RIC	4	40.1	Piano and organ tuners and repairmen
505	RCS	3	33.6	Plasterers
510	RIE	4	42.0	Plumbers and pipe fitters
512	RIC	3	44.8	Pressmen and plate printers, printing
513	RIC	3	30.1	Rollers and roll hands, metal
514	RIE	3	30.4	Roofers and slaters
515	RIC	3	25.4	Shoemakers and repairers, except factory
520	RIS	4	44.5	Stationary engineers
521	RIC	4	36.6	Stone cutters and stone carvers
523	RIC	3	37.4	Structural metal workers
524	RCS	4	34.9	Tailors and tailoresses
525	RIE	4	42.1	Tinsmiths, coppersmiths, and sheet metal workers

530	RIS	4	44.9	Toolmakers, and die makers and setters
535	RIE	3	29.7	Upholsterers
545	RIS	4	39.7	Craftsmen and kindred workers, n.e.c.
555	---	-	----	Members of the Armed Forces, and former members of the Armed Forces

## OPERATIVES AND KINDRED WORKERS

601	RIE	4	31.3	Apprentice auto mechanics
602	RCS	3	33.9	Apprentice bricklayers and masons
603	RCI	4	39.8	Apprentice carpenters
604	RIS	4	42.3	Apprentice electricians
605	RIE	4	41.5	Apprentice machinists, and toolmakers
610	RIE	4	40.8	Apprentice mechanics except auto
612	RIE	4	41.4	Apprentice plumbers and pipe fitters
613	RCI	3	31.0	Apprentices, building trades, n.e.c.
614	RIE	4	41.1	Apprentices, metalworking trades, n.e.c.
615	RAI	4	39.0	Apprentices, printing trades
620	RIS	4	34.7	Apprentices, other specified trades
621	RIS	4	34.4	Apprentices, trade not specified
630	RCS	2	37.2	Asbestos and insulation workers
631	RIC	3	28.6	Assemblers
632	RIS	3	24.3	Attendants, auto service and parking
634	RCS	3	37.6	Blasters and powdermen
635	RCS	3	28.0	Boatmen, canalmen, and lock keepers
640	RES	3	34.7	Brakemen, railroad
641	RCS	3	30.6	Bus drivers
642	RCI	3	35.7	Chainmen, rodmen, and axmen, surveying
643	RIC	3	34.6	Checkers, examiners, and inspectors, manufacturing
645	RSE	3	36.5	Conductors, bus and street railway
650	ESR	3	31.8	Deliverymen and routemen
651	RCS	3	26.9	Dressmakers and seamstresses, except factory
652	RCE	3	27.3	Dyers
653	RIC	3	28.9	Filers, grinders, and polishers, metal
654	RCE	3	13.4	Fruit, nut, and vegetable graders and packers, except factory
670	RCS	3	29.7	Furnacemen, smeltermen, and pourers
671	RCE	3	22.7	Graders and sorters, manufacturing
672	RCS	3	28.3	Heaters, metal
673	RSI	2	26.5	Knitters, loopers, and toppers, textile

674	RIC	3	19.9	Laundry and dry cleaning operatives
675	RSE	3	35.1	Meat cutters, except slaughter and packing house
680	RCS	4	31.2	Milliners
685	RCS	3	25.9	Mine operatives and laborers, n.e.c.
690	RSE	3	28.9	Motormen, mine, factory, logging camp, etc.
691	RSE	3	33.0	Motormen, street, subway, and elevated railway
692	RCI	2	26.3	Oilers and greasers, except auto
693	RES	3	22.9	Packers and wrappers, n.e.c.
694	RCI	3	29.7	Painters, except construction and maintenance
695	RIC	4	37.8	Photographic process workers
701	RIS	4	44.7	Power station operators
703	RCS	3	26.1	Sailors and deck hands
704	RIC	3	23.8	Sawyers
705	CRE	3	27.5	Sewers and stitchers, manufacturing
710	RCS	2	22.1	Spinners, textile
712	RIC	2	33.5	Stationary firemen
713	RES	3	32.2	Switchmen, railroad
714	RSE	3	24.5	Taxicab drivers and chauffeurs
715	RCE	3	28.1	Truck and tractor drivers
720	RSI	3	28.3	Weavers, textile
721	RIS	3	34.7	Welders and flame-cutters
775	RIE	3	27.7	Operatives and kindred workers, n.e.c.
PRIVATE HOUSEHOLD WORKERS				
801	SRE	4	18.2	Baby sitters, private household
802	SRE	4	22.3	Housekeepers, private household
803	REC	2	8.4	Laundresses, private household
804	REC	2	18.3	Private household workers, n.e.c.
SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLD				
810	SRC	3	31.3	Attendants, hospital and other institutions
812	SRC	3	27.5	Attendants, professional and personal service, n.e.c.
813	RCS	3	13.7	Attendants, recreation and amusement
814	RSE	3	29.4	Barbers
815	SEC	3	30.1	Bartenders
820	RIC	2	5.3	Bootblacks
821	ESC	4	21.4	Boarding and lodging housekeepers
823	REC	2	16.5	Chambermaids and maids, except private household
824	REC	2	17.2	Charwomen and cleaners
825	RIS	3	31.5	Cooks, except private household
830	RSE	2	19.0	Counter and fountain workers

831	RSC	2	20.7	Elevator operators
832	SRE	3	33.7	Housekeepers and stewards, except private household
834	RSE	2	22.0	Janitors and sextons
835	RSC	1	11.2	Kitchen workers, n.e.c., except private household
840	SAI	3	---	Midwives
841	REC	2	16.8	Porters
842	SAI	4	36.9	Practical nurses
843	SAC	4	40.2	Hairdressers and cosmetologists
850	RSE	3	39.4	Protective service workers
851	RSE	3	25.6	Firemen, fire protection
852	SRE	3	34.5	Guards, watchmen, doorkeepers
853	SRE	3	37.3	Marshals and constables
854	SRE	3	36.4	Policemen and detectives
860	RSC	3	23.2	Sheriffs and bailiffs
874	RCS	3	9.1	Watchmen (crossing) and bridge tenders
875	RSE	3	24.9	Ushers, recreation and amusement
890	RSC	2	15.0	Waiters and waitresses
				Service workers, except private household, n.e.c.

## FARM LABORERS AND FOREMEN

901	REI	4	34.9	Farm foremen
902	RIC	2	10.4	Farm laborers, wage workers
903	RSE	2	11.8	Farm laborers, unpaid family workers
905	RSE	2	28.5	Farm service laborers, self-employed

## LABORERS, EXCEPT FARM AND MINE

960	RSE	2	6.3	Carpenters' helpers, except logging and mining
962	RES	2	19.4	Fishermen and oystermen
963	RIC	2	13.1	Garage laborers, and car washers and greasers
964	RIC	2	15.5	Gardeners, except farm, and groundskeepers
965	RSE	2	23.6	Longshoremen and stevedores
970	RIE	2	16.6	Lumbermen, raftsmen, and wood-choppers
971	RIC	2	16.7	Teamsters
972	RIC	2	16.5	Truck drivers' helpers
973	RSE	2	25.7	Warehousemen, n.e.c.
985	RSE	2	19.2	Laborers, n.e.c.
995	---	-	----	OCCUPATION NOT REPORTED

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\* n.e.c.--not elsewhere classified

## Appendix 2: 1970 Occupational Titles

Holland Codes, General Educational Development (GED) Level,  
and Prestige of 1970 Census Detailed Occupational Titles

1970 Census Code	Holland Code	GED Level	Prestige	Occupational Title
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS				
001	CES	5	60.6	Accountants
002	AIR	6	70.9	Architects
				Computer specialists
003	IRC	5	62.5	Computer programmers
004	IRE	6	66.0	Computer systems analysts
005	IRC	5	65.3	Computer specialists, n.e.c.*
				Engineers
006	IRE	6	69.0	Aeronautical and astronautical engineers
010	IRE	6	69.7	Chemical engineers
011	IRE	5	62.6	Civil engineers
012	IRE	6	67.9	Electrical and electronic engineers
013	ERI	5	64.1	Industrial engineers
014	RIE	6	67.1	Mechanical engineers
015	IRE	6	68.4	Metallurgical and materials engineers
020	RIE	5	64.5	Mining engineers
021	RIE	5	67.0	Petroleum engineers
022	EIS	5	62.0	Sales engineers
023	IRE	6	66.0	Engineers, n.e.c.
024	SRI	5	60.8	Farm management advisors
025	RIS	5	45.3	Foresters and conservationists
026	SAE	5	61.9	Home management advisors
				Lawyers and judges
030	EAS	6	78.0	Judges
031	EAS	6	76.4	Lawyers
				Librarians, archivists, and curators
032	SAI	5	63.7	Librarians
033	SAI	6	56.4	Archivists and curators
				Mathematical specialists
034	IEC	5	68.9	Actuaries
035	IAS	6	74.7	Mathematicians
036	IAS	5	64.1	Statisticians
				Life and physical scientists
042	IRS	6	58.5	Agricultural scientists
043	IRA	6	65.2	Atmospheric and space scientists
044	ISR	6	68.0	Biological scientists
045	IAR	6	68.1	Chemists
051	IRA	6	71.8	Geologists

052	IRS	6	71.3	Marine scientists
053	IAR	6	73.6	Physicists and astronomers
054	IRS	6	74.2	Life and physical scientists, n.e.c.
055	ESI	6	59.5	Operations and systems researchers and analysts
056	ESC	5	58.3	Personnel and labor relations workers Physicians, dentists, and related practitioners
061	ISR	5	61.8	Chiropractors
062	ISR	6	76.7	Dentists
063	ISR	5	67.0	Optometrists
064	IES	5	61.4	Pharmacists
065	ISA	6	88.4	Physicians, medical and osteopathic
071	SIR	5	64.7	Podiatrists
072	IRS	5	68.8	Veterinarians
073	ISR	5	61.4	Health practitioners, n.e.c.
074	SIE	4	47.2	Nurses, dietitians, and therapists Dietitians
075	SIA	5	53.8	Registered nurses
076	SIR	4	56.0	Therapists
				Health technologists and technicians
080	ISC	4	52.4	Clinical laboratory technol- ogists and technicians
081	SAI	4	55.3	Dental hygienists
082	SAI	4	55.5	Health record technologists and technicians
083	IRS	4	47.1	Radiologic technologists and technicians
084	SRI	3	37.2	Therapy assistants
085	ISR	4	46.7	Health technologists and technicians, n.e.c.
				Religious workers
086	SAI	6	59.6	Clergymen
090	SAI	5	53.9	Religious workers, n.e.c.
				Social scientists
091	IAS	6	68.2	Economists
092	SIA	6	66.8	Political scientists
093	SIA	6	73.0	Psychologists
094	SIA	6	71.1	Sociologists
095	IRA	5	67.6	Urban and regional planners
096	SIA	6	69.0	Social scientists, n.e.c.
				Social and recreation workers
100	SIA	5	60.7	Social workers
101	SCE	5	51.9	Recreation workers
				Teachers, college and university
102	IRS	6	72.1	Agriculture teachers
103	IRA	6	71.4	Atmospheric, earth, marine, and space teachers



104	ISR	6	72.8	Biology teachers
105	IAR	6	72.8	Chemistry teachers
110	IAR	6	72.0	Physics teachers
111	IRE	6	73.2	Engineering teachers
112	IAS	6	71.0	Mathematics teachers
113	ISA	6	75.3	Health specialties teachers
114	SIA	6	75.3	Psychology teachers
115	CSE	6	73.3	Business and commerce teachers
116	IAS	6	73.2	Economics teachers
120	SEI	6	70.4	History teachers
121	SIA	6	72.0	Sociology teachers
122	SIA	6	73.7	Social science teachers, n.e.c.
123	ASI	6	68.1	Art, drama, and music teachers
124	SRE	6	68.8	Coaches and physical education teachers
125	SAE	6	74.9	Education teachers
126	ASE	6	70.3	English teachers
130	SAE	6	69.3	Foreign language teachers
131	SAE	6	73.4	Home economics teachers
132	EAS	6	77.1	Law teachers
133	SAI	6	69.2	Theology teachers
134	RIS	6	58.0	Trade, industrial, and technical teachers
135	SIA	6	71.9	Miscellaneous teachers, college and university
140	SIA	6	67.4	Teachers, college and univer- sity, subject not specified
				Teachers, except college and university
141	SIA	6	58.0	Adult education teachers
142	SAE	5	63.6	Elementary school teachers
143	SAE	5	50.9	Prekindergarten and kinder- garten teachers
144	SAE	5	62.7	Secondary school teachers
145	SAE	5	49.1	Teachers, except college and university, n.e.c.
150	RIC	5	42.1	Engineering and science technicians
151	IRE	5	45.5	Agriculture and biological technicians, except health
152	RIE	5	50.4	Chemical technicians
153	IRE	4	47.9	Draftsmen
154	RIE	5	46.0	Electrical and electronic engineering technicians
155	RIE	5	47.7	Industrial engineering technicians
156	IAS	5	56.5	Mechanical engineering technicians
161	RCI	5	49.4	Mathematical technicians
162	IRC	5	46.4	Surveyors
				Engineering and science technicians, n.e.c.

				Technicians, except health, and engineering and science
163	IRC	5	62.9	Airplane pilots
164	RIE	4	52.2	Air traffic controllers
165	SAC	4	50.3	Embalmers
170	RIE	4	51.2	Flight engineers
171	RIS	5	39.0	Radio operators
172	RIE	5	55.5	Tool programmers, numerical control
173	RIE	5	44.5	Technicians, n.e.c.
174	SAE	5	64.6	Vocational and educational counselors
				Writers, artists, and entertainers
175	AIS	5	51.8	Actors
180	SRE	3	38.9	Athletes and kindred workers
181	ASI	6	68.5	Authors
182	AES	4	40.4	Dancers
183	AIS	5	55.5	Designers
184	ASE	5	65.3	Editors and reporters
185	ASI	5	45.0	Musicians and composers
190	ASI	5	52.5	Painters and sculptors
191	AIR	4	42.9	Photographers
192	AES	5	62.0	Public relations men and publicity writers
193	EAR	5	48.8	Radio and television announcers
194	AES	5	53.7	Writers, artists, and entertainers, n.e.c.
195	ICR	4	62.7	Research workers, not specified
MANAGERS AND ADMINISTRATORS, EXCEPT FARM				
201	SCE	5	51.9	Assessors, controllers, and treasurers; local public administration
202	ECI	5	60.1	Bank officers and financial managers
203	ECS	4	49.0	Buyers and shippers, farm produce
205	ECS	4	50.7	Buyers, wholesale and retail trade
210	CES	5	56.4	Credit men
211	SEC	5	54.2	Funeral directors
212	SCE	5	60.9	Health administrators
213	SIE	4	49.6	Construction inspectors, public administration
215	SIE	4	45.8	Inspectors, except construction, public administration
216	SRE	5	41.5	Managers and superintendents, building
220	ESC	5	57.3	Office managers, n.e.c.
221	REI	4	43.2	Officers, pilots, and pursers; ship
222	ESC	5	55.8	Officials and administrators; public administration, n.e.c.

223	SCE	5	56.0	Officials of lodges, societies, and unions
224	ERC	4	49.0	Postmasters and mail superintendents
225	ECS	4	49.5	Purchasing agents and buyers, n.e.c.
226	RSE	4	45.9	Railroad conductors
230	ESC	5	43.7	Restaurant, cafeteria, and bar managers
231	ESC	5	48.0	Sales managers and department heads, retail trade
233	ESC	5	60.8	Sales managers, except retail trade
235	SEI	6	68.8	School administrators, college
240	SEI	6	71.2	School administrators, elementary and secondary
245	ESC	4	49.5	Managers and administrators, n.e.c. (Salaried)
	ESC	5	54.6	Construction
	ESC	5	61.8	Durable goods manufacturing
	ESC	5	61.3	Nondurable goods, incl. not specified manufacturing
	ESC	5	52.8	Transportation
	ESC	5	56.3	Communications, and utilities and sanitary services
	ESI	5	55.7	Wholesale trade
	ESI	4	48.0	Retail trade
				Hardware, farm equipment, and building material retailing
		4	48.4	General merchandise stores
		4	46.2	Food stores
		4	47.9	Motor vehicles and accessories retailing
	ESI	4	38.5	Gasoline service stations
	ESI	4	49.1	Apparel and accessories stores
	ESI	4	50.4	Furniture, home furnishings, and equipment stores
	ESI	4	47.7	Other retail trade
	ESC	5	61.7	Finance, insurance, and real estate
	ESC	5	56.1	Business and repair services
	ESC	5	46.1	Personal services
	ESC	5	60.1	All other industries
				(Self-employed)
	ESC	5	45.4	Construction
	ESC	5	49.1	Durable goods manufacturing
	ESC	5	49.3	Nondurable goods, incl. not specified manufacturing
	ESC	5	44.9	Transportation
	ESC	5	42.7	Communications, and utilities and sanitary services
	ESI	5	49.7	Wholesale trade

				Retail trade
	ESI	4	45.9	Hardware, farm equipment, and building material retailing
	ESI	4	45.6	General merchandise stores
	ESI	4	39.6	Food stores
	ESI	4	46.5	Motor vehicles and accessories retailing
	ESI	4	38.6	Gasoline service stations
	ESI	4	47.6	Apparel and accessories stores
	ESI	4	46.3	Furniture, home furnishings, and equipment stores
	ESI	4	44.5	Other retail trade
				Finance, insurance, and real estate
	ESC	5	57.3	Business and repair services
	ESC	5	46.4	Personal services
	ESC	5	42.7	All other industries
	ESC	5	48.3	
SALES WORKERS				
260	AES	5	53.5	Advertising agents and salesmen
261	ESC	3	38.4	Auctioneers
262	ESC	3	27.5	Demonstrators
264	ESC	3	25.2	Hucksters and peddlers
265	ECS	4	49.7	Insurance agents, brokers, and underwriters
266	ESC	3	5.3	Newsboys
270	ECS	4	47.8	Real estate agents and brokers
271	ESA	6	65.5	Stock and bond salesmen
281	ESI	4	47.1	Sales representatives, manufacturing industries
282	ESI	4	43.4	Sales representatives, wholesale trade
283	ESC	3	30.7	Sales clerks, retail trade
284	ESC	3	39.7	Salesmen, retail trade
285	ECS	4	41.0	Salesmen of services and construction
CLERICAL AND KINDRED WORKERS				
301	CSE	4	43.7	Bank tellers
303	CRI	3	38.5	Billing clerks
305	CSI	4	45.9	Bookkeepers
310	CSI	3	27.4	Cashiers
311	CES	3	35.3	Clerical assistants, social welfare
312	CES	3	52.3	Clerical supervisors, n.e.c.
313	RSC	3	34.9	Collectors, bill and account
314	CES	3	33.0	Counter clerks, except food
315	ESC	3	38.2	Dispatchers and starters, vehicle
320	SEC	5	30.3	Enumerators and interviewers
321	CIS	4	48.3	Estimators and investigators, n.e.c.

323	SER	5	43.6	Expeditors and production controllers
325	CRS	3	34.9	File clerks
326	ESC	4	56.3	Insurance adjusters, examiners, and investigators
330	CSA	4	33.1	Library attendants and assistants
331	RCS	3	34.5	Mail carriers, post office
332	CER	4	30.8	Mail handlers, except post office
333	CSR	2	16.7	Messengers and office boys
334	RCS	3	34.1	Meter readers, utilities
341	CIS	4	40.8	Office machine operators
342	CIS	3	37.7	Bookkeeping and billing machine operators
343	ICR	4	44.4	Calculating machine operators
344	CRI	3	30.1	Computer and peripheral equipment operators
345	CRI	3	39.9	Duplicating machine operators
350	CRI	3	36.4	Key punch operators
355	CIR	3	34.0	Tabulating machine operators
360	CIE	4	44.7	Office machine operators, n.e.c.
361	CER	4	41.2	Payroll and timekeeping clerks
362	CIE	3	40.7	Postal clerks
363	ECS	5	59.7	Proofreaders
364	CSE	3	36.3	Real estate appraisers
370	CSA	4	49.0	Receptionists
371	CSA	4	47.1	Secretaries
372	CSA	4	47.7	Secretaries, legal
374	RIC	3	32.3	Secretaries, medical
375	CIS	3	41.5	Secretaries, n.e.c.
376	CES	3	42.5	Shipping and receiving clerks
381	RES	3	33.6	Statistical clerks
382	SCE	4	29.1	Stenographers
383	CSR	2	16.7	Stock clerks and storekeepers
384	CIR	3	40.5	Teacher aides, exc. school monitors
385	CSE	3	35.7	Telegraph messengers
390	SCE	4	44.2	Telegraph operators
391	CSE	3	37.6	Telephone operators
392	REI	2	25.6	Ticket, station, and express agents
394	CES	3	39.6	Typists
395	CES	3	39.6	Weighers
				Miscellaneous clerical workers
				Not specified clerical workers

## CRAFTSMEN AND KINDRED WORKERS

401	RIE	4	34.8	Automobile accessories installers
402	RIS	3	33.9	Bakers
403	RSE	4	35.7	Blacksmiths
404	RIE	4	40.4	Boilermakers
405	RAI	3	36.2	Bookbinders
410	RCS	3	35.5	Brickmasons and stonemasons
411	RCS	3	35.8	Brickmasons and stonemasons, apprentices

412	RIE	3	29.6	Bulldozer operators
413	RCI	4	34.4	Cabinetmakers
415	RCI	4	38.7	Carpenters
416	RCI	4	36.7	Carpenter apprentices
420	RCS	3	33.7	Carpet installers
421	RCS	3	30.9	Cement and concrete finishers
422	RAI	4	43.6	Compositors and typesetters
423	RAI	4	35.9	Printing trades apprentices, exc. pressmen
424	RCE	3	31.8	Cranemen, derrickmen, and hoistmen
425	AIE	4	43.5	Decorators and window dressers
426	RIA	4	44.9	Dental laboratory technicians
430	RIS	4	43.8	Electricians
431	RIS	4	40.5	Electrician apprentices
433	RIE	4	43.6	Electric power linemen and cablemen
434	RIC	3	42.6	Electrotypers and stereotypers
435	RIE	3	36.3	Engravers, exc. photoengravers
436	RIE	3	31.2	Excavating, grading, and road machine operators; exc. bulldozer
440	RCS	3	34.1	Floor layers, exc. tile setters
441	REI	4	44.9	Foremen, n.e.c.
442	RIE	3	35.0	Forgemen and hammermen
443	RIC	4	32.7	Furniture and wood finishers
444	AIS	4	39.3	Furriers
445	RIS	3	36.7	Glaziers
446	RIS	3	33.2	Heat treaters, annealers, and temperers
450	RCI	3	28.7	Inspectors, scalers, and graders; log and lumber
452	RIC	3	40.7	Inspectors, n.e.c.
453	RIS	4	41.2	Jewelers and watchmakers
454	RIE	4	39.4	Job and die setters, metal
455	RES	4	47.5	Locomotive engineers
456	RSE	4	45.7	Locomotive firemen
461	RIE	4	41.5	Machinists
462	RIE	4	38.1	Machinist apprentices
470	RIE	4	41.4	Mechanics and repairmen Air conditioning, heating, and refrigeration
471	RIE	4	43.4	Aircraft
472	RIE	3	33.2	Automobile body repairmen
473	RIE	4	36.6	Automobile mechanics
474	RIE	4	31.1	Automobile mechanic apprentices
475	RIE	4	47.6	Data processing machine repairmen
480	RIE	4	36.6	Farm implement
481	RIE	4	39.8	Heavy equipment mechanics; incl. diesel
482	RSI	4	37.5	Household appliances and acces- sory installers and mechanics
483	RIS	4	32.8	Loom fixers

484	RCI	4	42.6	Office machine
485	RIE	4	41.0	Radio and television
486	RIE	4	38.2	Railroad and car shop
491	RIE	4	37.6	Mechanic, exc. auto, apprentices
492	RIE	4	38.4	Miscellaneous mechanics and repairmen
495	RIE	4	38.8	Not specified mechanics and repairmen
501	RIS	4	26.5	Millers; grain, flour, and feed
502	RIE	4	43.0	Millwrights
503	RSE	4	34.5	Molders, metal
504	RSE	4	32.7	Molder apprentices
505	RCI	4	37.9	Motion picture projectionists
506	RIS	3	36.6	Opticians, and lens grinders and polishers
510	RCI	3	31.3	Painters, construction and maintenance
511	RCI	3	32.6	Painter apprentices
512	RCS	3	34.0	Paperhangers
514	IRC	5	44.1	Pattern and model makers, exc. paper
515	AIR	4	44.7	Photoengravers and lithographers
516	RIC	4	37.5	Piano and organ tuners and repairmen
520	RCS	3	35.5	Plasterers
521	RCS	3	33.5	Plasterer apprentices
522	RIE	4	43.4	Plumbers and pipe fitters
523	RIE	4	40.7	Plumber and pipe fitter apprentices
525	RIS	4	46.8	Power station operators
530	RIC	3	43.2	Pressmen and plate printers, printing
531	RIC	3	37.3	Pressmen apprentices
533	RIC	3	30.3	Rollers and finishers, metal
534	RIE	3	29.7	Roofers and slaters
535	RIE	4	42.4	Sheetmetal workers and tinsmiths
536	RIE	4	39.8	Sheetmetal apprentices
540	RIE	4	43.2	Shipfitters
542	RIC	3	26.2	Shoe repairmen
543	AIR	4	39.2	Sign painters and letterers
545	RIS	4	42.4	Stationary engineers
546	RIC	4	28.4	Stone cutters and stone carvers
550	RIC	3	39.5	Structural metal craftsmen
551	RCS	4	31.7	Tailors
552	RCS	4	41.0	Telephone installers and repairmen
554	RIE	4	41.3	Telephone linemen and splicers
560	RCS	3	35.4	Tile setters
561	RIS	4	44.4	Tool and die makers
562	RIS	4	40.9	Tool and die maker apprentices
563	RIE	3	28.0	Upholsterers
571	RIS	4	34.1	Specified craft apprentices, n.e.c.
572	RIS	4	34.1	Not specified apprentices

575	RIS	4	34.1	Craftsmen and kindred workers, n.e.c.
580	---	-	----	Former members of the Armed Forces
OPERATIVES, EXCEPT TRANSPORT				
601	RCS	2	37.4	Asbestos and insulation workers
602	RIC	3	30.3	Assemblers
603	RCS	3	35.2	Blasters and powdermen
604	RIS	2	21.0	Bottling and canning operatives
605	RCI	3	29.2	Chainmen, rodmen, and axmen, surveying
610	RIC	3	34.4	Checkers, examiners, and inspectors; manufacturing
611	RIC	3	24.2	Clothing ironers and pressers
612	RCS	2	27.4	Cutting operatives, n.e.c.
613	RCS	3	29.3	Dressmakers and seamstresses, except factory
614	RIC	3	32.0	Drillers, earth
615	RCS	3	37.7	Dry wall installers and lathers
620	RCE	3	23.6	Dyers
621	RIC	3	24.2	Filers, polishers, sanders, and buffers
622	RCS	3	28.3	Furnacemen, smeltermen, and pourers
623	RIS	3	18.3	Garage workers and gas station attendants
624	RCE	3	21.3	Graders and sorters, manufacturing
625	RCE	3	13.8	Produce graders and packers, except factory and farm
626	RCS	3	37.3	Heaters, metal
630	RIC	3	19.2	Laundry and dry cleaning operatives, n.e.c.
631	RSE	3	36.2	Meat cutters and butchers, exc. manufacturing
633	RSE	3	28.0	Meat cutters and butchers, manufacturing
634	RSE	3	27.3	Meat wrappers, retail trade
635	RIE	3	33.5	Metal platers
636	RCS	4	30.3	Milliners
640	RCS	3	27.6	Mine operatives, n.e.c.
641	RIC	3	26.8	Mixing operatives
642	RCI	2	25.1	Oilers and greasers, exc. auto
643	RES	3	23.4	Packers and wrappers, except meat and produce
644	RCI	3	29.6	Painters, manufactured articles
645	RIC	4	36.0	Photographic process workers
650	RIC	3	32.3	Precision machine operatives Drill press operatives
651	RIC	3	31.8	Grinding machine operatives
652	RIC	4	31.7	Lathe and milling machine operatives
653	RIC	3	35.6	Precision machine operatives, n.e.c.



656	RIE	3	32.2	Punch and stamping press operatives
660	RIC	2	25.9	Riveters and fasteners
661	RCS	3	28.8	Sailors and deckhands
662	RIC	3	21.6	Sawyers
663	CRE	3	28.9	Sewers and stitchers
664	RIE	2	20.2	Shoemaking machine operatives
665	RIS	3	30.8	Solderers
666	RIC	2	34.1	Stationary firemen
				Textile operatives
670	RIE	2	19.9	Carding, lapping, and combing operatives
671	RSI	2	26.4	Knitters, loopers, and toppers
672	RCS	2	21.7	Spinners, twistors, and winders
673	RSI	3	29.3	Weavers
674	RIE	2	22.9	Textile operatives, n.e.c.
680	RIS	3	33.4	Welders and flame-cutters
681	RIE	2	32.1	Winding operatives, n.e.c.
690	RIE	3	29.3	Machine operatives, miscellaneous specified
692	RIE	3	29.3	Machine operatives, not specified
694	RIE	3	29.3	Miscellaneous operatives
695	RIE	3	29.3	Not specified operatives

## TRANSPORT EQUIPMENT OPERATIVES

701	RCS	3	30.8	Boatmen and canalmen
703	RCS	3	30.2	Bus drivers
704	RSE	3	35.5	Conductors and motormen, urban rail transit
705	ESR	3	30.5	Deliverymen and routemen
706	RCE	2	22.6	Fork lift and tow motor operatives
710	RSE	3	26.4	Motormen; mine, factory, logging camp, etc.
711	RSE	2	14.1	Parking attendants
712	RES	3	35.7	Railroad brakemen
713	RES	3	32.4	Railroad switchmen
714	RSE	3	24.2	Taxicab drivers and chauffeurs
715	RCE	3	29.1	Truck drivers

## LABORERS, EXCEPT FARM

740	RIC	3	23.3	Animal caretakers, exc. farm
750	RSE	2	9.3	Carpenters' helpers
751	RSE	2	20.5	Construction laborers, exc. carpenters' helpers
752	RES	2	18.1	Fishermen and oystermen
753	RSC	2	23.0	Freight and material handlers
754	RCE	1	11.5	Garbage collectors
755	RIC	2	15.5	Gardeners and groundskeepers, exc. farm
760	RSE	2	24.8	Longshoremen and stevedores
761	RIE	2	14.5	Lumbermen, raftsmen, and woodchoppers
762	RIC	2	15.3	Stock handlers

763	RIC	2	22.2	Teamsters
764	RIC	1	12.8	Vehicle washers and equipment cleaners
770	RSE	2	25.3	Warehousemen, n.e.c.
780	RSE	2	19.2	Miscellaneous laborers
785	RSE	2	19.2	Not specified laborers

## FARMERS AND FARM MANAGERS

801	RIE	4	30.9	Farmers (owners and tenants)
802	ERI	4	39.1	Farm managers

## FARM LABORERS AND FARM FOREMEN

821	REI	4	32.6	Farm foremen
822	RIC	2	10.8	Farm laborers, wage workers
823	RSE	2	8.5	Farm laborers, unpaid family workers
824	RSE	2	29.8	Farm service laborers, self- employed

## SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD

901	REC	2	16.9	Cleaning service workers Chambermaids and maids, except private household
902	REC	2	18.2	Cleaners and charwomen
903	RSE	2	22.7	Janitors and sextons
910	SEC	3	31.0	Food service workers Bartenders
911	RSC	1	0.0	Busboys
912	RIS	3	30.2	Cooks, except private household
913	RSC	1	0.0	Dishwashers
914	RSE	2	14.6	Food counter and fountain workers
915	RSE	3	23.5	Waiters
916	RSE	2	13.8	Food service workers, n.e.c., except private household
921	SAI	4	43.9	Health service workers Dental assistants
922	SRC	3	38.5	Health aides, exc. nursing
923	SIA	3	27.0	Health trainees
924	SAI	3	33.3	Lay midwives
925	SRC	3	33.6	Nursing aides, orderlies, and attendants
926	SAI	4	43.3	Practical nurses
931	ESA	3	44.7	Personal service workers Airline stewardesses
932	RCS	3	17.2	Attendants, recreation and amusement
933	RSE	3	26.4	Attendants, personal service, n.e.c.
934	SCE	3	20.9	Baggage porters and bellhops

935	RSE	3	27.9	Barbers
940	ESC	4	33.4	Boarding and lodging house keepers
941	RIC	2	1.6	Bootblacks
942	SRE	4	23.0	Child care workers, exc. private household
943	RSC	2	18.3	Elevator operators
944	SAC	4	38.5	Hairdressers and cosmetologists
945	SAC	4	21.1	Personal service apprentices
950	SRE	4	36.6	Housekeepers, exc. private household
952	SCE	2	19.0	School monitors
953	RCS	3	3.7	Ushers, recreation and amusement
954	SAE	3	43.2	Welfare service aides
960	RSC	3	15.0	Protective service workers
961	RSE	3	41.2	Crossing guards and bridge tenders
962	RSE	2	26.0	Firemen, fire protection
963	SRE	3	33.7	Guards and watchmen
964	SRE	3	37.3	Marshals and constables
965	SRE	3	35.1	Policemen and detectives
				Sheriffs and bailiffs

## PRIVATE HOUSEHOLD WORKERS

980	SRE	4	9.8	Child care workers, private household
981	RIS	3	17.4	Cooks, private household
982	SRE	4	15.8	Housekeepers, private household
983	REC	2	2.0	Laundresses, private household
984	REC	2	11.4	Maids and servants, private household

## ALLOCATION CATEGORIES

196	---	-	----	Professional, technical, and kindred workers--allocated
246	---	-	----	Managers and administrators, except farm--allocated
296	---	-	----	Sales workers--allocated
396	---	-	----	Clerical and kindred workers--allocated
586	---	-	----	Craftsmen and kindred workers--allocated
696	---	-	----	Operatives, except transport--allocated
726	---	-	----	Transport equipment operatives--allocated
796	---	-	----	Laborers, except farm--allocated
806	---	-	----	Farmers and farm managers--allocated

846	---	-	----	Farm laborers and farm foremen-- allocated
976	---	-	----	Service workers, exc. private household--allocated
986	---	-	----	Private household workers-- allocated

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\* n.e.c.--not elsewhere classified