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# CONTENTS

## SUBJECT REPORTS

# Occupation by Industry

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	page
Introduction	IV
Appendix A, General Information Concerning the Data	App-1
Appendix B, Definitions and Explanations of Subject Characteristics	App-3
Appendix C, Accuracy of the Data	App-5
Appendix D, Publication and Computer Summary Tape Program	App-12

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### TABLES

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1	Industry Group of Employed Persons by Occupation, Age, and Sex: 1970	1
2	Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970	81
3	Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970	129
4	Mean Earnings in 1969 of Employed Persons With Earnings in 1969 According to Industry by Occupation: 1970	145
5	Industry Group of Employed Wage and Salary Workers by Occupation, Race, and Sex: 1970	161
6	Industry Group of Self-Employed Workers by Occupation, Race, and Sex: 1970	193
7	Last Industry of the Experienced Unemployed by Occupation and Sex: 1970	225
8	Detailed Occupation of Employed Persons by Detailed Industry and Sex: 1970	241

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# INTRODUCTION

## APPENDIXES

A. General Information Concerning the Data .....	App-1
B. Definitions and Explanations of Subject Characteristics .....	App-3
C. Accuracy of the Data .....	App-5
D. Publication and Computer Summary Tape Program .....	App-12

<b>GENERAL</b> .....	IV
Organization of the text .....	IV
Content of the tables .....	IV
Sample size .....	IV
<b>RELATED MATERIALS</b> .....	IV
1970 census reports .....	IV
Reports from earlier censuses .....	V
Current Population Survey .....	V
Unpublished data .....	V
<b>DEFINITIONS AND EXPLANATIONS OF PRINCIPAL SUBJECTS</b> .....	V
Occupation classification system .....	VI
Industry classification system .....	VI
Class of worker .....	VII
Special edit and allocation procedures .....	VII
Comparability .....	VIII
Facsimile of the job activity questions on the 1970 census questionnaire .....	IX
Occupation and industry classification lists A, B, and C .....	X

## GENERAL

This report presents national statistics from the 1970 Census of Population cross-classifying occupation by industry for the employed and the experienced unemployed. Legal provision for this census, which was conducted as of April 1, 1970, was made in the Act of Congress of August 31, 1954 (amended August 1957), which codified Title 13, United States Code.

A major portion of the information compiled from the 1970 Census of Population appears in Volume I, **Characteristics of the Population**, which focuses on the presentation of data for States, counties, places, and other areas of the United States. The present report is part of Volume II, **Subject Reports**, wherein most reports concentrate on the presentation of national and regional data for a particular subject. For a description of Volumes I and II, as well as other elements of the data dissemination program of the 1970 Population and Housing Census, see Appendix D

"Publication and Computer Summary Tape Program."

The content and procedures of the 1970 census were determined after evaluation of the results of the 1960 census, consultation with a wide variety of users of census data, and extensive field pretesting. A number of changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960. The effect of changes in the occupation and industry classification systems for 1970 is discussed in the section on "Comparability."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in later reports of the 1970 census.

**Organization of the text.**—The text consists of this introduction and Appendixes A through D, which appear after the tables. Appendix A contains general information concerning the presentation of the data and the collection and processing procedures. Appendix B provides brief definitions and explanations of subjects covered in cross-classifications in this report. (The principal subjects of this report are discussed in the introduction.) Appendix C presents information on sources of error in the data, sampling variability, ratio estimation, and editing procedures. Appendix D summarizes the data dissemination program.

**Content of the tables.**—Tables 1 to 7 present cross-classifications of occu-

pation and industry by selected social and economic characteristics, and table 8 presents cross-classifications of detailed occupation and detailed industry for employed persons.

**Sample size.**—The statistics in this report are based on a sample inflated to represent the total population. Tables 1 to 7 are based on the 5-percent sample and table 8 on the 20-percent sample. (See "Data Collection Procedures" in Appendix A.) Statistics for a given occupation or industry category in table 8 may differ from the corresponding figure in tables 1 to 7 because of sampling variability. An explanation of the ratio estimation procedure and information on the sampling variability associated with the data are contained in Appendix C.

## RELATED MATERIALS

**1970 census reports.**—Statistics on occupation and industry for the United States, regions, divisions, States, standard metropolitan statistical areas, urbanized areas, places of 2,500 or more, and counties have been published in chapter C of the 1970 Census of Population Volume I, **Characteristics of the Population**. Statistics on detailed occupation and industry classifications and cross-classifications of intermediate occupation or industry groups with other characteristics are published in chapter D of Volume I for the United States, regions, States, and standard metropolitan statistical areas of 250,000 or more. Chapter D includes cross-classifications of occupation by industry in terms of intermediate groups; whereas the present report, which shows data only for the country as a whole, presents cross-classifications in terms of detailed categories.

The statistics shown in each of the State parts of Volume I are summarized for the United States in Volume I, Part 1, **United States Summary**. Chapters C and D were originally published as separate paper-bound reports in Series PC(1)-C, **General Social and Economic Characteristics**, and PC(1)-D, **Detailed Characteristics**.

Statistics on occupation and industry are also included in the reports for census tracts of standard metropolitan statistical areas. These data are presented for 241 areas in Series PHC(1), **Census Tracts**.

Several other reports on occupation and industry or closely related subjects are planned for Volume II. The report entitled **Occupational Characteristics** will cover such subjects as sex, age, race, urban and rural residence, size of family, marital status, mobility, years of school completed, hours worked, class of worker, weeks worked in 1969, and income in 1969 for persons in each of the detailed occupational categories. A report entitled **Industrial Characteristics** will have similar coverage. Additional proposed reports cover such subjects as occupation and residence 5 years ago and government employees. Many of the Volume II reports concentrating on other subjects will contain cross-classifications by occupation and industry.

**Reports from earlier censuses.**—Data for 1960 on occupation by industry similar to those shown here were presented in the Volume II report **Occupation by Industry**, PC(2)-7C. Similar data for 1950 were presented in Volume IV, **Special Reports**, Part 1, chapter C, **Occupation by Industry**. (For a discussion of the comparability of the 1960 and 1970 occupation and

industry classification systems see the section on "Comparability," below.)

**Current Population Survey.**—Data for selected occupation and industry groups are also collected by the Bureau of the Census in the Current Population Survey (CPS) and published monthly by the Bureau of Labor Statistics in **Employment and Earnings**. In April 1970, the data for this survey were collected from a sample of approximately 50,000 households in 449 areas throughout the country. In addition, CPS data on major occupation group (and, occasionally, on major industry group) in cross-classification with such characteristics as marital status, mobility, and income are published by the Census Bureau annually in Series P-20 and P-60, **Current Population Reports**. The intercensal statistics provided by the Current Population Survey are, in general, designed to be comparable with the decennial census statistics. There are, however, certain elements of difference, as explained in the section on "Comparability."

**Unpublished data.**—For most of the Volume II reports, statistics in addition to those published in the report are available on a reimbursable basis. For example, data shown for the United States as a whole are available for regions, divisions, and States. Data shown for selected types of residence (e.g. rural) may be available for all types of residence; and statistics shown for broad age groups may be available in greater age detail. Requests for unpublished data, giving a specific description of the figures desired, may be made by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Inquiries concerning unpublished data should be trans-

mitted to the Bureau as soon as possible because tape files are not maintained indefinitely.

#### DEFINITIONS AND EXPLANATIONS OF PRINCIPAL SUBJECTS

The information given below relates to the principal subjects of this report. Brief definitions of other subjects appearing in cross-classifications in the tables are presented in Appendix B. The data on current occupation, industry, and class of worker were obtained from answers to items 33 to 35 on the 1970 census questionnaire (see facsimile on page IX).

This series of questions was used to obtain industry, occupation, and class of worker information for the employed, the experienced unemployed, and experienced workers not currently in the labor force. Data for the last two categories apply to persons who had worked at some time during the previous ten years. All three items relate to one specific job held by the person. For an employed person, the information refers to the job held during the reference week. If he was employed at two or more jobs, the job at which he worked the greatest number of hours during the reference week was to be reported. For experienced unemployed persons and for those not in the labor force, the information refers to the last job the persons held.

The report presents industry and occupation data for the employed and for the experienced unemployed who worked at some time in 1960 or later. In the census, data on industry and occupation were collected only for persons who had worked in the last ten years; hence, no industry and occupation data are available for those unemployed persons who last worked

in 1959 or earlier. Class of worker data are shown only for employed persons.

The written occupation and industry descriptions from the questionnaire were converted to identifying codes by relating these descriptions to an entry in the **1970 Census of Population Alphabetical Index of Industries and Occupations**, U.S. Government Printing Office, Washington, D.C., 1971. For the industrial code, however, the first coding attempt was by reference to the **Company Name List**. This list, prepared from the master address list of the 1968 Censuses of Business, Construction, Manufactures, and Minerals, contains the name of the establishment and its Standard Industrial Code converted to its population census equivalent. This listing facilitates coding and helps maintain comparability of the industrial classification.

#### Occupation Classification System

The occupation classification system developed for the 1970 census consists of 441 specific occupation categories arranged in 12 major groups. Table 8, which lists 384 occupation categories, presents the most detailed classification used in this report. Most of the categories not shown separately are those that fall into one industry, such as the unique categories of "Teachers, college and university," and "Private household workers." An intermediate level is used in tables 1 through 7 for cross-tabulation of occupation by certain demographic and economic characteristics such as age, race, and mean earnings in 1969. The relationship between the detailed and intermediate levels of classification is provided at the end of this introduction in list A for males and list B for females. This intermediate listing

comprises 102 items for males and 65 items for females.

The population census occupational classification system is generally comparable with the system used in the **Dictionary of Occupational Titles (DOT)** with the exception of the blue collar workers.<sup>1</sup> The DOT structure for these occupations is quite different from that used by the Bureau of the Census. An important reason for this is that the two systems are designed to meet different needs and to be used under different circumstances. The DOT system is basically a job defining scheme and is more detailed than the system used by the Bureau of the Census, which is data collection oriented. Thus, job classification by DOT requires more detailed information than is often found on the census questionnaires.

#### Industry Classification System

The industry classification system developed for the 1970 census consists of 227 categories classified into 12 major industry groups. Both a detailed and an intermediate level of classification are presented in this report. Table 8 has the most detailed listing with 227 specific industries. The relationship between the detailed and intermediate industry classification is shown in list C at the end of this introduction. Each industry group is defined in terms of the Standard Industrial Classification (SIC)<sup>2</sup>, i.e., the numbers in parentheses after each of the group titles. The intermediate classification consists of 55 industries,

<sup>1</sup>See U.S. Department of Labor, Bureau of Employment Security, **Dictionary of Occupational Titles**, third edition, Volumes I and II, Washington, 1965.

<sup>2</sup>See Executive Office of the President, Bureau of the Budget, **Standard Industrial Classification Manual**, 1967.

which are combinations of the detailed systems. Additional information on the industry classification system, as well as the occupation classification, is presented in the publication **1970 Census of Population Classified Index of Industries and Occupations**, U.S. Government Printing Office, Washington, D.C., 1971.

**Relation to Standard Industrial Classification.**—The Standard Industrial Classification (SIC) was developed under the sponsorship of the Office of Management and Budget and is designed for the classification of establishments by type of industrial activity in which they are engaged. One of the major purposes of the SIC is to promote uniformity and comparability in the presentation of statistical data collected by various agencies. Accordingly, in the Census of Population, the industry categories are defined in these terms. However, census reports, which are collected from households, differ in nature and detail from those obtained from establishment reports. Therefore, the census classification systems, though defined in SIC terms, cannot reflect the full detail in all categories. Moreover, there is an important distinction between the census and SIC classification of government establishments. The census system distributes all activities into their respective industrial categories regardless of whether government-operated or not. The SIC, however, incorporates all government-related activities, regardless of the industry, in government categories 91 to 94. The SIC does allow for some industrial detail (two-digit) within this framework. Thus, uniquely governmental activities, e.g., judicial and legislative, are identified by code 90 in the third

and fourth digits. This is the equivalent of the industry "Public Administration" in the census.

The census identifies all government workers in its "class of worker" item (see below). This identification allows for cross-classification with industry data, thus providing the full array of industry categories in both government and nongovernment terms.

In addition to such classification differences census data may differ from other industrial data because of differences in reporting, as described below in the section on "Comparability - Data from other sources."

**Relation to certain occupation groups.**—Although some occupation groups are closely related to certain industries, the industry categories are broader and include occupations other than those concentrated in that industry. For example, persons employed in agriculture include truck drivers and bookkeepers in addition to farm workers; persons employed in the transportation industry include mechanics and secretaries in addition to transport operatives; and persons employed in the private household industry include occupations such as chauffeur, gardener, and secretary.

#### Class of Worker

As noted earlier, the economic activity of each person is classified in three distinct dimensions—occupation, industrial attachment, and class of worker. The last dimension shows the type of ownership of the employing organization. Placement of a person in a particular class-of-worker category is, in most cases, independent of the occupation or industry in which he worked. The class of worker item on the questionnaire consists of seven

categories which are defined as follows:

1. *Private wage and salary workers.*—Persons who worked for a private employer for wages, salary, commission, tips, pay-in-kind, or pay at piece rates.
2. *Government workers.*—Persons who worked for any governmental unit, regardless of the activity of the particular agency. This category is subdivided by the level of government: a) Federal, b) State, and c) local (county, city, village, township, etc.).
3. *Self-employed workers.*—
  - a. *Own business not incorporated.*—Persons who worked for profit or fees in their own unincorporated business, profession, or trade, or who operated a farm. Included here are the owner-operators of large stores and manufacturing establishments as well as small merchants, independent craftsmen and professional men, farmers, peddlers, and other persons who conducted enterprises on their own.
  - b. *Own business incorporated.*—Persons who consider themselves self-employed but work for corporations. (In most cases the respondents will own or be part of a group that owns controlling interest in the corporation.) Since all workers of a corporation are defined as wage and salary workers, this category is tabulated with "private wage and salary workers."

4. *Unpaid family workers.*—Persons who worked without pay on a farm or in a business operated by a person to whom they are related by blood or marriage. These are usually the children or the wife of the owner of a business or farm.

In tables 5 and 6 statistics are shown for "wage and salary workers" and "self-employed workers;" these groups represent combinations of the class-of-worker categories.

**Wage and salary workers** include private wage and salary workers and government workers, as defined above.

**Self-employed workers** shown in table 6 include only those described in 3a above. However, the category "self-employed," shown as a subcategory of "manager," includes the small number of managers reported as unpaid family workers.

#### Special Edit and Allocation Procedures

A factor to be considered in the interpretation of these data is that occasionally respondents returned occupation, industry, or class of worker designations which were not sufficiently specific for precise classification. Many such cases were corrected through the field editing process and during the coding and editing operations. In the coding operation certain types of incomplete entries or errors were corrected using the **Alphabetic Index of Industries and Occupations**. The **Index**, besides providing a code for each occupation or industry, also reflects some restrictions such as occupations that occur only within one industry or for which only one class of worker code is allowed. Moreover, in certain situations, it pro-

vides for the assignment of an industry code on the basis of the occupation reported.

Following the coding operation, there was a computer edit and allocation process. The edit first determined whether a respondent was in the universe which required an occupation and industry code. For those with an incomplete code or one for which no valid category exists (impossible codes), a valid code was assigned. The items (industry, occupation, and class of worker) were then edited for internal consistency. For example, the occupation "buyers, wholesale and retail trade" was required to have one of the wholesale or retail trade industry codes. If it did not, the industry code was changed to "not specified retail trade."

If one or more of the occupation, industry, or class of worker items were blank after edit, the respondent was "allocated" to a major group on the basis of sex, age, farm or non-farm residence, education, and weeks worked. Lists A, B, and C indicate to which intermediate occupation or industry category the allocated cases were assigned in the tabulations for tables 1 to 7. Additional information on edit and allocation procedures is presented in Appendix C, "Accuracy of the Data."

#### Comparability

**Data from earlier censuses.**—Changes made in the classification systems for each of the three decennial censuses since 1940 limit the comparability of the data from one census to another. Between 1960 and 1970 the number of categories was greatly increased. This change had the effect of decreasing the size of the largest categories in the 1960 systems.

The only important change which involved a transfer between major industry groups was the movement of governmental welfare services from "public administration" to the "welfare services" category. The changes in the occupational classification system were more complex. A new major group, "transport equipment operatives," added to the occupation classification in 1970, includes occupations formerly part of the "operatives" major group. The arrangement of some major groups was changed to form more "families" of occupations. This applies especially to the "professional" and "service" major groups. Although there was an effort to limit changes between major groups there were many cases where such changes were necessary. One such change that may not be apparent in this report is the treatment of apprentices. They were moved from "operatives" to "craftsmen" and are classified as a subcategory of their craft. In this report they are not shown separately but are included with their craft.

Two other changes in the census have an important effect on comparability: (1) The allocation of "not reported" cases to the major groups in 1970 (see preceding section) increased the size of those totals relative to the totals for 1960, when there was no allocation of these characteristics. (2) The age coverage for statistics on these subjects in 1960 included persons 14 years old and over, in accordance with the definition of the labor force at that time; whereas, the statistics in this report are shown for persons 16 years old and over, to agree with the current definition of the labor force.

Two additional occupation questions were included on the 1970 census questionnaire. These questions were added to obtain more complete

answers from respondents and, therefore, facilitate more accurate coding. This change may have some effect on comparability. In the question on class of worker, the addition of the category "own business incorporated," responses to which were counted as private wage and salary workers, will affect comparability by decreasing the number of self-employed and increasing the number of private wage and salary workers.

The following publications contain information on the various factors affecting comparability and are particularly useful for understanding differences in the occupation and industry information from earlier censuses: U.S. Bureau of the Census, *Sixteenth Census Reports, Population, Comparative Occupation Statistics for the United States, 1870 to 1940*; U.S. Bureau of the Census, *Occupation Trends in the United States, 1900 to 1950*, Working Paper No. 5, 1959; U.S. Bureau of the Census, *Changes Between the 1950 and 1960 Occupation and Industry Classifications—With Detailed Adjustments of 1950 Data to the 1960 Classifications*, Technical Paper No. 18, 1968; and U.S. Bureau of the Census, *Technical Paper No. 26, 1970 Occupation and Industry Classification Systems in Terms of Their 1960 Occupation and Industry Elements*.

**Data from other sources.**—Comparability between the statistics presented in this report and statistics from other sources is frequently affected by the use of different classification systems, and by differences in reporting. The dates to which the data refer may not be the same; workers who live in one geographic area and work in another may be reported at

INTRODUCTION—Continued

their place of residence by the census but at their place of work in other surveys; and dual jobholders may be counted in the reports of two establishments but counted in the census for only their major job. Data from other sources may exclude private household workers, unpaid family workers, and self-employed persons, but may include workers less than 16

years of age. Persons who had a job but were not at work are included with the employed in the statistics shown here; whereas, many of these persons are likely to be excluded from employment figures based on establishment payroll reports. Occupation data from the census and data from government licensing agencies, professional associations, trade unions, etc.,

are not directly comparable. Such listings may include persons not in the labor force or persons devoting all or most of their time to another occupation; or the same person may be included in two or more different listings. Moreover, relatively few organizational listings attain complete coverage of membership in a particular occupation field.

Facsimile of the Job Activity Questions on the 1970 Census Questionnaire

**33-35. Current or most recent job activity**

*Describe clearly this person's chief job activity or business last week, if any. If he had more than one job, describe the one at which he worked the most hours.*

*If this person had no job or business last week, give information for last job or business since 1960.*

---

**33. Industry**

**a. For whom did he work?** *If now on active duty in the Armed Forces, print "AF" and skip to question 37.*

-----  
*(Name of company, business, organization, or other employer)*

---

**b. What kind of business or industry was this?**  
*Describe activity at location where employed.*

-----  
*(For example: junior high school, retail supermarket, dairy farm, TV and radio service, auto assembly plant, road construction)*

---

**c. Is this mainly—** *(Fill one circle)*

Manufacturing                       Retail trade

Wholesale trade                       Other *(agriculture, construction, service, government, etc.)*

**34. Occupation**

**a. What kind of work was he doing?**

-----  
*(For example: TV repairman, sewing machine operator, spray painter, civil engineer, farm operator, farm hand, junior high English teacher)*

---

**b. What were his most important activities or duties?**

-----  
*(For example: Types, keeps account books, files, sells cars, operates printing press, cleans buildings, finishes concrete)*

---

**c. What was his job title?**

-----

---

**35. Was this person—** *(Fill one circle)*

Employee of private company, business, or individual, for wages, salary, or commissions...

Federal government employee .....

State government employee.....

Local government employee *(city, county, etc.)*...

Self-employed in own business, professional practice, or farm—

    Own business not incorporated .....

    Own business incorporated .....

Working without pay in family business or farm

## INTRODUCTION—Continued

### List A. Intermediate Occupation Classification for Males (102 Items) with Component Detailed Items

This listing presents the relationship between the detailed occupation classification used in table 8 and the intermediate occupation classification used in tables 1 through 7. The occupation groups marked with an asterisk (\*) are not shown in the tables using the intermediate classification but can be derived by subtraction. The category "Secretaries, n.e.c.," with a double asterisk (\*\*), is not shown in the detailed table but can be derived by subtraction.

#### *Professional, technical, and kindred workers*

1. Accountants
2. Architects
3. Computer specialists
  - Computer programmers
  - Computer systems analysts
  - Computer specialists, n.e.c.
4. Engineers, aeronautical and astronautical
5. Engineers, chemical
6. Engineers, civil
7. Engineers, electrical and electronic
8. Engineers, industrial
9. Engineers, mechanical
10. Other engineers
  - Engineers, metallurgical and materials
  - Engineers, mining
  - Engineers, petroleum
  - Engineers, sales
  - Engineers, n.e.c.
11. Lawyers and judges
  - Judges
  - Lawyers
12. Librarians, archivists, and curators
  - Librarians
  - Archivists and curators
13. Mathematical specialists
  - Actuaries
  - Mathematicians
  - Statisticians
14. Life and physical scientists
15. Chemists
- \* Other life and physical scientists
  - Agricultural scientists
  - Atmospheric and space scientists
  - Biological scientists
  - Geologists
  - Marine scientists
  - Physicists and astronomers
  - Life and physical scientists, n.e.c.
16. Operations and systems researchers and analysts
17. Personnel and labor relations workers
18. Dentists
19. Pharmacists
20. Physicians, medical and osteopathic
21. Other related practitioners
  - Chiropractors
  - Optometrists
  - Podiatrists
  - Veterinarians
  - Health practitioners, n.e.c.
22. Nurses, dietitians, and therapists
  - Dietitians
  - Registered nurses
  - Therapists
23. Health technologists and technicians
  - Clinical laboratory technologists and technicians
  - Dental hygienists
  - Health record technologists and technicians
  - Radiologic technologists and technicians
  - Therapy assistants
  - Health technologists and technicians, n.e.c.
24. Religious workers
  - Clergymen
  - Religious workers, n.e.c.
25. Social scientists
  - Economists
  - Political scientists
  - Psychologists
  - Sociologists
  - Urban and regional planners
  - Social scientists, n.e.c.
26. Social and recreation workers
  - Social workers
  - Recreation workers
27. Teachers, college and university

28. Teachers, except college and university
    - Adult education teachers
    - Elementary and secondary school teachers
    - Prekindergarten and kindergarten teachers
    - Teachers, except college and university, n.e.c.
  29. Draftsmen
  30. Electrical and electronic engineering technicians
  31. Industrial and mechanical engineering technicians
    - Industrial engineering technicians
    - Mechanical engineering technicians
  32. Other engineering and science technicians
    - Agriculture and biological technicians, except health
    - Chemical technicians
    - Mathematical technicians
    - Surveyors
    - Engineering and science technicians, n.e.c.
  33. Airplane pilots
  34. Embalmers
  35. Radio operators and air traffic controllers
    - Air traffic controllers
    - Radio operators
  36. Other technicians, except health, and engineering and science
    - Flight engineers
    - Tool programmers, numerical control
    - Technicians, n.e.c.
  37. Writers, artists, and entertainers
    - Actors
    - Athletes and kindred workers
    - Authors
    - Dancers
    - Designers
    - Editors and reporters
    - Musicians and composers
    - Painters and sculptors
    - Photographers
    - Public relations men and publicity writers
    - Radio and television announcers
    - Writers, artists, and entertainers, n.e.c.
  38. Other professional, technical, and kindred workers
    - Farm management advisors
    - Foresters and conservationists
    - Home management advisors
    - Research workers, not specified
    - Vocational and educational counselors
    - Professional, technical, and kindred workers—allocated
- Managers and administrators, except farm*
39. Buyers, purchasing agents, and sales managers
    - Buyers and shippers, farm products
    - Buyers, wholesale and retail trade
    - Purchasing agents and buyers, n.e.c.
    - Sales managers and department heads, retail trade
    - Sales managers, except retail trade
  40. Other managers and administrators—salaried
    - Assessors, controllers, and treasurers; local public administration
    - Bank officers and financial managers
    - Credit men
    - Funeral directors
    - Health administrators
    - Construction inspectors, public administration

- Inspectors, except construction; public administration
  - Managers and superintendents, building
  - Office managers, n.e.c.
  - Officers, pilots, and pursers; ship
  - Officials and administrators; public administration, n.e.c.
  - Officials of lodges, societies, and unions
  - Postmasters and mail superintendents
  - Railroad conductors
  - Restaurant, cafeteria, and bar managers
  - School administrators, college
  - School administrators, elementary and secondary
  - Managers and administrators, n.e.c.
  - Managers and administrators, except farm—allocated
41. Other managers and administrators—self-employed
    - (This group includes all of the occupations shown in number 40 with class of worker entry "self-employed in own incorporated business.")

#### *Sales workers*

42. Newsboys
43. Other specified sales workers
  - Advertising agents and salesmen
  - Auctioneers
  - Demonstrators
  - Hucksters and peddlers
  - Insurance agents, brokers, and underwriters
  - Real estate agents and brokers
  - Stock and bond salesmen
  - Sales workers—allocated
44. Salesmen and sales clerks, n.e.c.

#### *Clerical and kindred workers*

45. Bookkeepers
46. Cashiers
47. Estimators and investigators, n.e.c.
48. Office machine operators
  - Bookkeeping and billing machine operators
  - Calculating machine operators
  - Computer and peripheral equipment operators
  - Duplicating machine operators
  - Key punch operators
  - Tabulating machine operators
  - Office machine operators, n.e.c.
49. Secretaries, stenographers, and typists
  - Secretaries
  - Secretaries, legal
  - Secretaries, medical
  - Secretaries, n.e.c.
  - \*\* Stenographers
  - Typists
50. Shipping and receiving clerks
51. Stock clerks and storekeepers
52. Other clerical and kindred workers
  - Bank tellers
  - Billing clerks
  - Clerical assistants, social welfare
  - Clerical supervisors, n.e.c.
  - Collectors, bill and account
  - Counter clerks, except food
  - Dispatchers and starters, vehicle
  - Enumerators and interviewers
  - Expeditors and production controllers
  - File clerks
  - Insurance adjusters, examiners, and investigators
  - Library attendants and assistants



# INTRODUCTION—Continued

## List A.—Continued

- Mail carriers, post office
  - Mail handlers, except post office
  - Messengers, including telegraph, and office boys
  - Meter readers, utilities
  - Payroll and timekeeping clerks
  - Postal clerks
  - Proofreaders
  - Real estate appraisers
  - Receptionists
  - Statistical clerks
  - Teacher aides, except school monitors
  - Telegraph operators
  - Telephone operators
  - Ticket, station, and express agents
  - Weighers
  - Miscellaneous clerical workers
  - Not specified clerical workers
  - Clerical and kindred workers—allocated
- Craftsmen and kindred workers*
- 53. Brickmasons and stonemasons
  - 54. Carpenters
  - 55. Electricians
  - 56. Excavating, grading, and road machine operators
    - Bulldozer operators
    - Excavating, grading, and road machine operators, except bulldozer
  - 57. Painters (construction and maintenance), plasterers and paperhangers
    - Painters, construction and maintenance
    - Paperhangers
    - Plasterers
  - 58. Plumbers and pipe fitters
  - 59. Other construction craftsmen
    - Cement and concrete finishers
    - Floor layers, except tile setters
    - Roofers and slaters
    - Structural metal craftsmen
    - Tile setters
  - 60. Foremen, n.e.c.
  - 61. Mechanics and repairmen
  - 62. Mechanics and repairmen, automobile including body
    - Automobile body repairmen
    - Automobile mechanics
  - \* Other mechanics and repairmen
    - Air conditioning, heating, and refrigeration
    - Aircraft
    - Data processing machine repairmen
    - Farm implement
    - Heavy equipment mechanics, including diesel
    - Household appliance and accessory installers and mechanics
    - Loom fixers
    - Office machine
    - Radio and television
    - Railroad and car shop
    - Miscellaneous mechanics and repairmen
    - Not specified mechanics and repairmen
  - 63. Machinists, job setters, and toolmakers
    - Job and die setters, metal
    - Machinists
    - Tool and die makers
  - 64. Blacksmiths, forgers, hammermen, and boilermakers
    - Blacksmiths
    - Boilermakers
    - Forgers and hammermen
  - 65. Other metal craftsmen
    - Heat treaters, annealers, and temperers
    - Millwrights

- Molders, metal
  - Pattern and model makers, except paper
  - Rollers and finishers, metal
  - Sheetmetal workers and tinsmiths
  - Shipfitters
- 66. Printing craftsmen
    - Bookbinders
    - Compositors and typesetters
    - Electrotypers and stereotypers
    - Photoengravers and lithographers
    - Pressmen and plate printers, printing
  - 67. Stationary engineers and power station operators
    - Power station operators
    - Stationary engineers
  - 68. Other craftsmen and kindred workers
    - Automobile accessories installers
    - Bakers
    - Cabinetmakers
    - Carpet installers
    - Cranemen, derrickmen, and hoistmen
    - Decorators and window dressers
    - Dental laboratory technicians
    - Electric power linemen and cablemen
    - Engravers, except photoengravers
    - Furniture and wood finishers
    - Furriers
    - Glaziers
    - Inspectors, scalers, and graders; log and lumber
    - Inspectors, n.e.c.
    - Jewelers and watchmakers
    - Locomotive engineers
    - Locomotive firemen
    - Millers; grain, flour, and feed
    - Motion picture projectionists
    - Opticians, and lens grinders and polishers
    - Piano and organ tuners and repairmen
    - Shoe repairmen
    - Sign painters and letterers
    - Stone cutters and stone carvers
    - Tailors
    - Telephone installers and repairmen
    - Telephone linemen and splicers
    - Upholsterers
    - Craftsmen and kindred workers, n.e.c.
    - Craftsmen and kindred workers—allocated
- Operatives, except transport*
- 69. Assemblers
  - 70. Checkers, examiners, and inspectors; manufacturing
  - 71. Filers, polishers, sanders, and buffers
  - 72. Painters, manufactured articles
  - 73. Drill press operatives
  - 74. Grinding machine operatives
  - 75. Lathe and milling machine operatives
  - 76. Precision machine operatives, n.e.c.
  - 77. Punch and stamping press operatives
  - 78. Solderers
  - 79. Stationary firemen
  - 80. Welders and flame cutters
  - 81. Other specified operatives
    - Asbestos and insulation workers
    - Blasters and powdermen
    - Bottling and canning operatives
    - Chainmen, rodmen, and axmen; surveying
    - Clothing ironers and pressers
    - Cutting operatives, n.e.c.
    - Dressmakers and seamstresses, except factory

- Drillers; earth
  - Dry wall installers and lathers
  - Dyers
  - Furnacemen, smeltermen, and pourers
  - Garage workers and gas station attendants
  - Graders and sorters, manufacturing
  - Produce graders and packers, except factory and farm
  - Heaters, metal
  - Laundry and drycleaning operatives, n.e.c.
  - Meat cutters and butchers
  - Meat wrappers, retail trade
  - Metal platers
  - Milliners
  - Mine operative, n.e.c.
  - Mixing operatives
  - Oilers and greasers, except auto
  - Packers and wrappers, except meat and produce
  - Photographic process workers
  - Riveters and fasteners
  - Sailors and deckhands
  - Sawyers
  - Sewers and stitchers
  - Shoemaking machine operatives
  - Textile operatives
  - Winding operatives, n.e.c.
  - Operatives, except transport—allocated
- 82. Machine operatives, miscellaneous specified
  - 83. Machine operatives, not specified
  - 84. Miscellaneous operatives
  - 85. Not specified operatives
- Transport equipment operatives*
- 86. Deliverymen and routemen
  - 87. Forklift and tow motor operatives
  - 88. Truck drivers
  - 89. Other transport equipment operatives
    - Boatmen and canalmen
    - Bus drivers
    - Conductors and motormen, urban rail transit
    - Motormen; mine, factory, logging camp, etc.
    - Parking attendants
    - Railroad brakemen
    - Railroad switchmen
    - Taxicab drivers and chauffeurs
    - Transport equipment operatives—allocated
- Laborers, except farm*
- 90. Construction laborers
    - Carpenters' helpers
    - Construction laborers, except carpenters' helpers
  - 91. Freight, stock, and material handlers
    - Freight and materials handlers
    - Garbage collectors
    - Longshoremen and stevedores
    - Stock handlers
    - Warehousemen, n.e.c.
  - 92. Vehicle washers and equipment cleaners
  - 93. Other specified laborers
    - Animal caretakers, except farm
    - Fishermen and oystermen
    - Gardeners and groundskeepers, except farm
    - Lumbermen, raftsmen, and woodchoppers
    - Teamsters
    - Laborers, except farm—allocated
  - 94. Miscellaneous laborers
  - 95. Not specified laborers

INTRODUCTION—Continued

List A.—Continued

*Farm workers*

- 96. Farm workers
  - Farmers and farm managers
  - Farm foremen
  - Farm laborers, wage workers
  - Farm laborers, unpaid family workers
  - Farm service laborers, self-employed
  - Farm laborers and farm foremen—allocated

*Service workers, including private household*

- 97. Cleaning service workers
  - Chambermaids and maids, except private household
  - Cleaners and charwomen
  - Janitors and sextons
- 98. Food service workers
  - Bartenders

- Busboys
- Cooks, except private household
- Dishwashers
- Food counter and fountain workers
- Waiters
- Food service workers, n.e.c., except private household
- 99. Health service workers
  - Dental assistants
  - Health aides, except nursing
  - Health trainees
  - Lay midwives
  - Nursing aides, orderlies, and attendants
  - Practical nurses
- 100. Personal service workers
  - Airline stewardesses
  - Attendants, recreation and amusement
  - Attendants, personal service, n.e.c.
  - Baggage porters and bellhops
  - Barbers

- Boarding and lodging housekeepers
- Bootblacks
- Child care workers, except private household
- Elevator operators
- Hairdressers and cosmetologists
- Housekeepers, except private household
- School monitors
- Ushers, recreation and amusement
- Welfare service aides
- 101. Guards and watchmen
- 102. Other service workers, including private household
  - Crossing guards and bridge tenders
  - Firemen, fire protection
  - Marshalls and constables
  - Policemen and detectives
  - Sheriffs and bailiffs
  - Service workers, except private household—allocated
  - Private household workers

## INTRODUCTION—Continued

### List B. Intermediate Occupation Classification for Females (65 items) with Component Detailed Items

This listing presents the relationship between the detailed occupation classification used in table 8 and the intermediate occupation classification used in tables 1 through 7. The occupation groups marked with an asterisk (\*) are not shown in the tables using the intermediate classification but can be derived by subtraction. "Secretaries, n.e.c.," with a double asterisk (\*\*), is not shown in the detailed table but can be derived by subtraction.

#### *Professional, technical, and kindred workers*

1. Accountants
2. Computer specialists
  - Computer programmers
  - Computer systems analysts
  - Computer specialists, n.e.c.
3. Engineers
  - Aeronautical and astronautical
  - Chemical
  - Civil
  - Electrical and electronic
  - Industrial
  - Mechanical
  - Metallurgical and materials
  - Mining
  - Petroleum
  - Sales
  - Engineers, n.e.c.
4. Librarians, archivists, and curators
  - Librarians
  - Archivists and curators
5. Life and physical scientists
  - Agricultural scientists
  - Atmospheric and space scientists
  - Biological scientists
  - Chemists
  - Geologists
  - Marine scientists
  - Physicists and astronomers
  - Life and physical scientists, n.e.c.
6. Physicians, dentists, and related practitioners
  - Chiropractors
  - Dentists
  - Optometrists
  - Pharmacists
  - Physicians, medical and osteopathic
  - Podiatrists
  - Veterinarians
  - Health practitioners, n.e.c.
7. Nurses, dietitians, and therapists
  - Dietitians
  - Registered nurses
  - Therapists
8. Health technologists and technicians
  - Clinical laboratory technologists and technicians
  - Dental hygienists
  - Health record technologists and technicians
  - Radiologic technologists and technicians
  - Therapy assistants
  - Health technologists and technicians, n.e.c.
9. Social scientists
  - Economists
  - Political scientists
  - Psychologists
  - Sociologists
  - Urban and regional planners
  - Social scientists, n.e.c.
10. Social and recreation workers
  - Social workers
  - Recreation workers
11. Teachers, except college and university
  - Adult education teachers
  - Elementary and secondary school teachers
  - Prekindergarten and kindergarten teachers
  - Teachers, except college and university, n.e.c.
12. Engineering and science technicians
  - Agriculture and biological technicians, except health
  - Chemical technicians
  - Draftsmen
  - Electrical and electronic engineering technicians
  - Industrial engineering technicians

- Mechanical engineering technicians
  - Mathematical technicians
  - Surveyors
  - Engineering and science technicians, n.e.c.
13. Technicians, except health, and engineering and science
    - Airplane pilots
    - Air traffic controllers
    - Embalmers
    - Flight engineers
    - Radio operators
    - Tool programmers, numerical control
    - Technicians, n.e.c.
  14. Writers, artists, and entertainers
    - Actors
    - Athletes and kindred workers
    - Authors
    - Dancers
    - Designers
    - Editors and reporters
    - Musicians and composers
    - Painters and sculptors
    - Photographers
    - Public relations men and publicity writers
    - Radio and television announcers
    - Writers, artists, and entertainers, n.e.c.
  15. Other professional, technical, and kindred workers
    - Actuaries
    - Architects
    - Clergymen
    - Farm management advisors
    - Foresters and conservationists
    - Home management advisors
    - Judges
    - Lawyers
    - Mathematicians
    - Operations and systems researchers and analysts
    - Personnel and labor relations workers
    - Religious workers, n.e.c.
    - Research workers, not specified
    - Statisticians
    - Teachers, college and university
    - Vocational and educational counselors
    - Professional, technical, and kindred workers—allocated

#### *Managers and administrators, except farm*

16. Buyers, purchasing agents, and sales managers
  - Buyers and shippers, farm products
  - Buyers, wholesale and retail trade
  - Purchasing agents and buyers, n.e.c.
  - Sales managers and department heads, retail trade
  - Sales managers, except retail trade
17. Other managers and administrators—salaried
  - Assessors, controllers, and treasurers; local public administration
  - Bank officers and financial managers
  - Credit men
  - Funeral directors
  - Health administrators
  - Construction inspectors, public administration
  - Inspectors, except construction, public administration
  - Managers and superintendents, building
  - Office managers, n.e.c.
  - Officers, pilots, and pursers; ship officials and administrators; public administration, n.e.c.

- Officials of lodges, societies, and unions
  - Postmasters and mail superintendents
  - Railroad conductors
  - Restaurant, cafeteria, and bar managers
  - School administrators, college
  - School administrators, elementary and secondary
  - Managers and administrators, n.e.c.
  - Managers and administrators, except farm—allocated
18. Other managers and administrators—self-employed
    - (This group includes all of the occupations shown in number 17 with class of worker entry "self-employed in own incorporated business.")

#### *Sales workers*

19. Sales workers
  - Advertising agents and salesmen
  - Auctioneers
  - Demonstrators
  - Hucksters and peddlers
  - Insurance agents, brokers, and underwriters
  - Newsboys
  - Real estate agents and brokers
  - Stock and bond salesmen
  - Salesmen and sales clerks, n.e.c.
  - Sales workers—allocated

#### *Clerical and kindred workers*

20. Billing clerks
21. Bookkeepers
22. Cashiers
23. Counter clerks, except food
24. File clerks
25. Office machine operators
26. Bookkeeping and billing machine operators
27. Keypunch operators
  - Other office machine operators
  - Calculating machine operators
  - Computer and peripheral equipment operators
  - Duplicating machine operators
  - Tabulating machine operators
  - Office machine operators, n.e.c.
28. Payroll and timekeeping clerks
29. Receptionists
30. Secretaries
  - Secretaries, legal
  - Secretaries, medical
  - \*\* Secretaries, n.e.c.
31. Statistical clerks
32. Stenographers
33. Telephone operators
34. Typists
35. Other clerical and kindred workers
  - Bank tellers
  - Clerical assistants, social welfare
  - Clerical supervisors, n.e.c.
  - Collectors, bill and account
  - Dispatchers and starters, vehicle
  - Enumerators and interviewers
  - Estimators and investigators, n.e.c.
  - Expeditors and production controllers
  - Insurance adjusters, examiners, and investigators
  - Library attendants and assistants
  - Mail carriers, post office
  - Mailhandlers, except post office
  - Messengers, including telegraph, and office boys
  - Meter readers, utilities

INTRODUCTION—Continued

List B.—Continued

Postal clerks  
 Proofreaders  
 Real estate appraisers  
 Shipping and receiving clerks  
 Stock clerks and storekeepers  
 Teacher aides, except school moni-  
 tors  
 Telegraph operators  
 Ticket, station, and express agents  
 Weighers  
 Miscellaneous clerical workers  
 Not specified clerical workers  
 Clerical and kindred workers—allo-  
 cated

*Craftsmen and kindred workers*

- 36. Craftsmen and kindred workers
- 37. Foremen, n.e.c.
- 38. Mechanics and repairmen
  - Air-conditioning, heating, and refrigeration
  - Aircraft
  - Automobile body repairmen
  - Automobile mechanics
  - Data processing machine repairmen
  - Farm implement
  - Heavy equipment mechanics, including diesel
  - Household appliance and accessory installers and mechanics
  - Loom fixers
  - Office machine
  - Radio and television
  - Railroad and car shop
  - Miscellaneous mechanics and repairmen
  - Not specified mechanics and repairmen
- 39. Printing craftsmen
  - Bookbinders
  - Compositors and typesetters
  - Electrotypers and stereotypers
  - Photoengravers and lithographers
  - Pressmen and plate printers, printing
  - \* Other craftsmen and kindred workers (This category includes all occupations in the major group "Craftsmen and kindred workers" except those shown above. These are shown in numbers 53-59, 63-65, 67, and 68 of List A.)

*Operatives, except transport*

- 40. Assemblers
- 41. Bottling and canning operatives
- 42. Checkers, examiners, and inspectors; manufacturing
- 43. Graders and sorters, manufacturing
- 44. Packers and wrappers, except produce
  - Meat wrappers, retail trade
  - Packers and wrappers, except meat and produce
- 45. Produce graders and packers, except factory and farm
- 46. Mixing operatives
- 47. Sewers and stitchers
- 48. Other specified operatives
  - Asbestos and insulation workers

Blasters and powdermen  
 Chainmen, rodmen, and axmen; sur-  
 veying  
 Clothing ironers and pressers  
 Cutting operatives, n.e.c.  
 Dressmakers and seamstresses, except factory  
 Drillers; earth  
 Dry wall installers and lathers  
 Dyers  
 Filers, polishers, sanders, and buffers  
 Furnacemen, smeltermen, and pourers  
 Garage workers and gas station attendants  
 Heaters, metal  
 Laundry and drycleaning opera-  
 tives, n.e.c.  
 Meat cutters and butchers  
 Metal platers  
 Milliners  
 Mine operatives, n.e.c.  
 Oilers and greasers, except auto  
 Painters, manufactured articles  
 Photographic process workers  
 Drill press operatives  
 Grinding machine operatives  
 Lathe and milling machine opera-  
 tives  
 Precision machine operatives, n.e.c.  
 Punch and stamping press opera-  
 tives  
 Riveters and fasteners  
 Sailors and deckhands  
 Savyers  
 Shoemaking machine operatives  
 Solderers  
 Stationary firemen  
 Textile operatives  
 Welders and flame cutters  
 Winding operatives, n.e.c.  
 Operatives, except transport—allo-  
 cated

- 49. Machine operatives, miscellaneous specified
- 50. Machine operatives, not specified
- 51. Miscellaneous operatives
- 52. Not specified operatives

*Transport equipment operatives*

- 53. Transport equipment operatives
- 54. Deliverymen and routemen
  - \* Other transport equipment opera-  
 tives  
 (This category includes all occu-  
 pations in the major group  
 "Transport equipment opera-  
 tives" except "Deliverymen and  
 routemen." These are shown in  
 numbers 87 through 89 of List  
 A.)

*Laborers, except farm*

- 55. Laborers, except farm  
 (This category includes all occupa-  
 tions in this major group. These  
 are shown in numbers 90 through  
 95 of List A.)

*Farm workers*

- 56. Farm workers  
 Farmers and farm managers

Farm foremen  
 Farm laborers, wage workers  
 Farm laborers, unpaid family workers  
 Farm service laborers, self-employ-  
 ed  
 Farm laborers and farm foremen—  
 allocated

*Service workers, except private household*

57. Service workers, except private house-  
 hold

- 58. Cleaning service workers
- 59. Cleaners and charwomen
  - \* Other cleaning service workers  
 Chambermaids and maids,  
 except private household
  - Janitors and sextons
- 60. Food service workers
- 61. Waiters and food counter  
 workers  
 Food counter and fountain  
 workers  
 Waiters  
 \* Other food service workers  
 Bartenders  
 Busboys  
 Cooks, except private house-  
 hold  
 Dishwashers  
 Food service workers, n.e.c.,  
 except private household
- 62. Health service workers  
 Dental assistants  
 Health aides, except nursing  
 Health trainees  
 Lay midwives  
 Nursing aides, orderlies, and  
 attendants  
 Practical nurses
- 63. Personal service workers  
 Airline stewardesses  
 Attendants, recreation and  
 amusement  
 Attendants, personal service,  
 n.e.c.  
 Baggage porters and bellhops  
 Barbers  
 Boarding and lodging housekeep-  
 ers  
 Bootblacks  
 Child care workers, except pri-  
 vate household  
 Elevator operators  
 Hairdressers and cosmetologists  
 Housekeepers, except private  
 household  
 School monitors  
 Ushers, recreation and amuse-  
 ment  
 Welfare service aides
- 64. Protective service workers  
 Crossing guards and bridge tenders  
 Firemen, fire protection  
 Guards and watchmen  
 Marshals and constables  
 Policemen and detectives  
 Sheriffs and bailiffs  
 \* Service workers, except private  
 household—allocated

*Private household workers*

- 65. Private household workers

## INTRODUCTION—Continued

### List C. Intermediate Industry Classification (55 items) with Component Detailed Items

This listing presents the relationship between the detailed industry classification used in table B and the intermediate industry classification used in tables 1 through 7. The industry groups marked with an asterisk (\*) are not shown in the tables using the intermediate classification but can be derived by subtraction. The numbers in parentheses are code designations from the Standard Industrial Classification (see text).

<i>Agriculture, forestry, and fisheries</i>	Construction and material handling machines (353)	Miscellaneous paper and pulp products (264)
1. Agriculture, forestry, and fisheries Agricultural production (01) Agricultural services, except horticultural (07 except 0713 and 073) Horticultural services (073) Forestry (08) Fisheries (09) Agriculture, forestry, and fisheries—allocated	Metalworking machinery (354) Office and accounting machines (357 except 3573) Electronic computing equipment (3573) Machinery, except electrical, n.e.c. (355, 356, 358, 359) Not specified machinery	Paperboard containers and boxes (265)
<i>Mining</i>	12. Electrical machinery, equipment, and supplies	22. Printing, publishing, and allied industries
2. Mining Metal mining (10) Coal mining (11, 12) Crude petroleum and natural gas extractions (13) Nonmetallic mining and quarrying, except fuel (14) Mining—allocated	Household appliances (363) Radio, television, and communication equipment (365, 366) Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369) Not specified electrical machinery, equipment, and supplies	Newspaper publishing and printing (271) Printing, publishing, and allied industries, except newspapers (272-279)
<i>Construction</i>	13. Motor vehicles and motor vehicle equipment (371)	23. Chemicals and allied products
3. Construction 4. Special trade contractors (17) Salaried Self-employed * Other construction General building contractors (15) General contractors, except building (16) Not specified construction Construction—allocated	Aircraft and parts (372) 15. Other transportation equipment Ship and boat building and repairing (373) Railroad locomotives and equipment (374) Mobile dwellings and campers (3791) Cycles and miscellaneous transportation equipment (375, 3799)	Industrial chemicals (281) Plastics, synthetics and resins, except fibers (282, except 2823 and 2824) Synthetic fibers (2823, 2824) Drugs and medicines (283) Soaps and cosmetics (284) Paints, varnishes, and related products (285) Agricultural chemicals (287) Miscellaneous chemicals (286, 289) Not specified chemicals and allied products
<i>Manufacturing</i>	16. Ordnance (19)	24. Rubber and miscellaneous plastic products
5. Lumber and wood products, except furniture Logging (241) Sawmills, planing mills, and millwork (242, 243) Miscellaneous wood products (244, 249) 6. Furniture and fixtures (25) 7. Stone, clay, and glass products Glass and glass products (321-323) Cement, concrete, gypsum, and plaster products (324, 327) Structural clay products (325) Pottery and related products (326) Miscellaneous nonmetallic mineral and stone products (328, 329) 8. Primary ferrous industries Blast furnaces, steelworks, rolling and finishing mills (3312, 3313) Other primary iron and steel industries (3315-3317, 332, 3391, part 3399) 9. Primary nonferrous industries Primary aluminum industries (3334, part 334, 3352, 3361, part 3392, part 3399) Other primary nonferrous industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, part 3392, part 3399) 10. Fabricated metal industries (including not specified metal) Cutlery, hand tools, and other hardware (342) Fabricated structural metal products (344) Screw machine products (345) Metal stamping (346) Miscellaneous fabricated metal products (341, 343, 347, 348, 349) Not specified metal industries 11. Machinery, except electrical Engines and turbines (351) Farm machinery and equipment (352)	17. Other durable goods Scientific and controlling instruments (381, 382) Optical and health services supplies (383, 384, 385) Photographic equipment and supplies (386) Watches, clocks, and clockwork-operated devices (387) Not specified professional equipment Miscellaneous manufacturing industries (39) Manufacturing, durable goods—allocated 18. Food and kindred products Meat products (201) Dairy products (202) Canning and preserving fruits, vegetables, and seafoods (203) Grain-mill products (204, 0713) Bakery products (205) Confectionery and related products (207) Beverage industries (208) Miscellaneous food preparation and kindred products (206, 209) Not specified food industries 19. Textile mill products Knitting mills (225) Dyeing and finishing textiles, except wool and knit goods (226) Floor coverings, except hard surface (227) Yarn, thread, and fabric mills (221-224, 228) Miscellaneous textile mill products (229) 20. Apparel and other fabricated textile products Apparel and accessories (231-238) Miscellaneous fabricated textile products (239) 21. Paper and allied products Pulp, paper, and paperboard mills (261-263, 266)	Rubber products (301-303, 306) Miscellaneous plastic products (307) 25. Other nondurable goods Tobacco manufactures (21) Petroleum refining (291) Miscellaneous petroleum and coal products (295, 299), Tanned, curried, and finished leather (311) Footwear, except rubber (313, 314) Leather products, except footwear (312, 315-317, 319) Manufacturing, nondurable goods—allocated Not specified manufacturing industries <i>Transportation, communications, and other public utilities</i> 26. Transportation, communications, and other public utilities 27. Railroads and railway express service (40) 28. Trucking service and warehousing Trucking service (421, 423) Warehousing and storage (422) 29. Other transportation Street railways and bus lines (411, 413-415, 417) Government workers Other workers Taxicab service (412) Water transportation (44) Air transportation (45) Pipe lines, except natural gas (46) Service incidental to transportation (47) 30. Communications Radio broadcasting and television (483) Telephone (wire and radio) (481) Telegraph and miscellaneous communication services (482, 489) 31. Utilities and sanitary services Electric light and power and electric-gas utilities (491, 493) Gas and steam supply systems (492, 496) Water supply (494) Government workers Other workers Sanitary services (495) Government workers

INTRODUCTION—Continued

List C.—Continued

- Other workers
- Other and not specified utilities (497)
- \* Transportation, communications, and other public utilities—allocated
- Wholesale and retail trade*
- 32. Wholesale trade
- 33. Food and farm products
  - Food and related products (504)
  - Farm products—raw materials (505)
  - \* Other wholesale trade
  - Motor vehicles and equipment (501)
  - Drugs, chemicals, and allied products (502)
  - Dry goods and apparel (503)
  - Electrical goods (506)
  - Hardware, plumbing, and heating supplies (507)
  - Not specified electrical and hardware products
  - Machinery, equipment, and supplies (508)
  - Metals and minerals, n.e.c. (5091)
  - Petroleum products (5092)
  - Scrap and waste materials (5093)
  - Alcoholic beverages (5095)
  - Paper and its products (5096)
  - Lumber and construction materials (5098)
  - Wholesalers, n.e.c. (5094, 5097, 5099)
  - Not specified wholesale trade
  - Wholesale trade—allocated
- 34. General merchandise stores
  - Department and mail order establishments (531, 532)
  - Limited price variety stores (533)
  - Vending machine operators (534)
  - Direct selling establishments (535)
  - Miscellaneous general merchandise stores (539)
- 35. Food stores
  - Grocery stores (541)
  - Dairy products stores (545)
  - Retail bakeries (546)
  - Food stores, n.e.c. (542-544, 549)
- 36. Automotive dealers and gasoline stations
  - Motor vehicle dealers (551, 552)
  - Tire, battery, and accessory dealers (533)
  - Gasoline service stations (554)
  - Miscellaneous vehicle dealers (559)
- 37. Apparel and accessories stores
  - Apparel and accessories stores, except shoe stores (56 except 566)
  - Shoe stores (566)
- 38. Eating and drinking places (58)
- 39. Other retail trade
  - Lumber and building material retailing (521-524)
  - Hardware and farm equipment stores (525)
  - Furniture and home furnishings stores (571)
  - Household appliances, television and radio stores (572, 573)

- Drug stores (591)
- Liquor stores (592)
- Farm and garden supply stores (596)
- Jewelry stores (597)
- Fuel and ice dealers (598)
- Retail florists (5992)
- Miscellaneous retail stores (593-595, 599 except 5992)
- Not specified retail trade
- Retail trade—allocated
- Finance, insurance, and real estate*
- 40. Banking and credit agencies
  - Banking (60)
  - Credit agencies (61)
- 41. Insurance (63, 64)
- 42. Other finance and real estate
  - Security, commodity brokerage, and investment companies (62, 67)
  - Real estate, including real estate—insurance-law offices (65, 66)
  - Finance, insurance, and real estate—allocated
- Business and repair services*
- 43. Business services
  - Advertising (731)
  - Services to dwellings and other buildings (734)
  - Commercial research, development, and testing labs (7391, 7397)
  - Employment and temporary help agencies (736, 7398)
  - Business management and consulting services (part 7392)
  - Computer programming services (part 7392)
  - Detective and protective services (7393)
  - Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
- 44. Automobile services
  - Automobile services, except repair (751, 752, 754)
  - Automobile repair and related services (753)
- 45. Other repair services
  - Electrical repair shops (762, 7694)
  - Miscellaneous repair services (763, 764, 769, except 7694)
  - Business and repair services—allocated
- Personal services*
- 46. Hotels and lodging places
  - Hotels and motels (701)
  - Lodging places, except hotels and motels (702, 703, 704)
- 47. Other personal services, including private household
  - Private households (88)
  - Laundrying, cleaning, and other garment services (721, 727)
  - Beauty shops (723)
  - Barber shops (724)
  - Shoe repair shops (725)
  - Dressmaking shops (part 729)
  - Miscellaneous personal services (722, 726, part 729)

- Personal services—allocated
- Entertainment and recreating services*
- 48. Entertainment and recreation services
  - Theaters and motion pictures (78, 792)
  - Bowling alleys, billiard and pool parlors (793)
  - Miscellaneous entertainment and recreation services (791, 794)
  - Entertainment and recreation services—allocated
- Professional and related services*
- 49. Hospitals (806)
- 50. Health services, except hospitals
  - Offices of physicians (801, 803)
  - Offices of dentists (802)
  - Offices of chiropractors (804)
  - Convalescent institutions (8092)
  - Offices of health practitioners, n.e.c. (part 8099)
  - Health services, n.e.c. (807, part 8099)
- 51. Educational and kindred services, government
  - Elementary and secondary schools (821)
  - Colleges and universities (822)
  - Libraries (823)
  - Educational services, n.e.c. (824, 829)
  - Not specified educational services
  - Museums, art galleries, and zoos (84)
  - (These categories include all class of worker entries of federal, state, and local government.)
- 52. Educational and kindred services, private
  - (This group includes all of the industries shown in number 51 with class of worker entries other than federal, state, and local government.)
- 53. Welfare, religious, and nonprofit membership organizations
  - Religious organizations (866)
  - Welfare services (part 867)
  - Residential welfare facilities (part 867)
  - Nonprofit membership organizations (861-865, 869)
- 54. Other professional and related services
  - Legal services (81)
  - Engineering and architectural services (891)
  - Accounting, auditing, and book-keeping services (893)
  - Miscellaneous professional and related services (892, 899)
  - Professional and related services—allocated
- 55. Public administration
  - Postal service (part 9190)
  - Federal public administration (part 9190, 9490)
  - State public administration (9290)
  - Local public administration (9390)
  - Public administration—allocated

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Total		Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Motor vehicles and motor vehicle equipment	
	Male	Female	Total	Male	Female	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies
<b>United States</b>	<b>47 730 661</b>	<b>2 537 907</b>	<b>585 060</b>	<b>1 786 546</b>	<b>14 185 558</b>	<b>497 482</b>	<b>308 787</b>	<b>473 519</b>	<b>819 961</b>	<b>294 735</b>	<b>945 119</b>	<b>1 662 489</b>	<b>1 193 845</b>	<b>902 788</b>		
<b>PERSONS 16 YEARS OLD AND OVER</b>	<b>47 730 661</b>	<b>2 537 907</b>	<b>585 060</b>	<b>1 786 546</b>	<b>14 185 558</b>	<b>497 482</b>	<b>308 787</b>	<b>473 519</b>	<b>819 961</b>	<b>294 735</b>	<b>945 119</b>	<b>1 662 489</b>	<b>1 193 845</b>	<b>902 788</b>		
Male, employed	263 506	35	1 110	649	8 482	69	92	423	155	229	836	1 269	500			
Professional, technical, and kindred workers	27 323	94	140	187	5 393	—	46	166	113	38	556	81	586			
Accountants	531 518	1 233	8 906	13 420	75 877	261	38	2 161	5 275	2 003	3 097	3 492	1 030			
Architects	54 194	4 844	42	2 533	64 330	272	38	1 887	5 255	1 808	2 387	1 904	965			
Computer specialists	209 018	2 229	2 248	1 699	44 928	149	227	875	1 627	638	6 565	6 716	2 410			
Engineers	1 213 071	3 813	19 133	97 915	68 103	875	1 153	1 668	2 963	1 234	8 822	9 508	5 155			
Aeronautical and astronautical	67 235	—	—	38	2 502	23	—	22	103	—	62	154	180			
Civil	53 170	21	1 211	1 065	1 157	—	—	—	—	—	—	15	—			
Electrical and electronic	173 775	1 973	1 082	74 073	4 783	261	42	948	1 402	1 226	1 694	1 756	462			
Industrial	280 429	1 688	814	6 264	154 941	379	22	514	1 486	1 688	16 716	93 458	1 521			
Mechanical	185 369	230	1 013	3 225	131 382	620	1 164	3 132	5 261	2 668	7 084	25 305	9 361			
Other engineers	179 457	1 889	1 620	6 249	120 542	320	1 199	1 266	1 925	1 481	31 944	14 289	15 906			
Other engineers	273 616	1 073	13 393	7 001	139 939	860	1 037	4 162	3 836	11 006	33 739	22 326	4 514			
Lawyers and judges	263 506	35	1 110	649	8 482	69	92	423	155	229	836	1 269	500			
Librarians, archivists, and curators	27 323	94	140	187	5 393	—	46	166	113	38	556	81	586			
Mathematical specialists	23 515	—	—	—	—	—	—	—	—	—	—	—	—			
Life and physical scientists	178 869	3 687	15 014	1 355	75 877	261	38	2 161	5 275	2 003	3 097	3 492	1 030			
Chemists	97 166	1 779	2 884	407	64 330	272	38	1 887	5 255	1 808	2 387	1 904	965			
Operations and systems researchers and analysts	71 787	41	376	64	44 928	149	227	875	1 627	638	6 565	6 716	2 410			
Personnel and labor relations workers	200 959	732	1 827	3 410	68 103	875	1 153	1 668	2 963	1 234	8 822	9 508	5 155			
Physicians, dentists, and related practitioners	494 779	15 485	80	19	2 502	23	—	22	103	—	62	154	180			
Dentists	89 800	39	39	19	157	—	—	—	—	—	—	—	—			
Pharmacists	97 181	—	21	41	601	—	—	—	—	—	—	—	—			
Physicians, medical and osteopathic	254 854	84	20	59	1 403	23	—	18	103	—	62	173	180			
Other related practitioners	52 944	15 401	—	—	341	—	—	—	—	—	—	—	—			
Registered nurses, dietitians, and therapists	52 610	239	26	75	702	30	—	—	47	20	32	42	65			
Health technologists and technicians	79 189	282	82	118	3 302	—	16	42	19	—	22	42	130			
Religious workers	231 270	19	—	20	153	—	—	—	—	—	—	—	—			
Social scientists	89 508	143	528	497	24 509	124	85	499	749	387	728	4 208	1 580			
Social and recreation workers	111 050	189	—	94	565	—	—	—	44	—	—	—	84			
Teachers, college and university	352 429	—	—	324	7 999	21	167	80	276	52	—	1 908	371			
Teachers, except college and university	813 269	149	69	—	378 426	1 828	2 504	8 634	14 235	6 472	23 101	59 456	16 776			
Engineers and science technicians	731 409	6 520	10 761	53 477	136 830	1 199	2 174	2 621	4 815	1 768	16 502	34 282	26 568			
Draftsmen	268 562	1 155	3 094	21 852	44 928	113	46	443	570	304	11 316	11 316	47 022			
Electrical and electronic engineering technicians	150 934	72	733	1 844	87 085	38	129	621	2 428	468	927	3 984	3 580			
Industrial and mechanical engineering technicians	31 845	—	71	205	27 430	—	—	—	—	—	—	—	—			
Other engineering and science technicians	280 088	5 293	6 863	29 576	133 081	478	155	4 949	6 422	3 932	4 994	9 874	2 954			
Technicians, exc. health, and eng. and science	139 820	3 034	1 510	2 520	11 571	133	24	250	248	209	348	1 699	104			
Airplane pilots	51 374	2 320	461	519	3 365	114	24	98	105	61	132	169	266			
Aviators	4 759	—	—	—	43	—	—	—	—	21	—	—	—			
Radio operators and air traffic controllers	44 700	187	96	774	645	19	—	42	44	—	216	21	76			
Other technicians, exc. health, and eng. and science	38 987	527	953	1 227	7 518	—	—	110	99	177	216	1 509	104			
Writers, artists, and entertainers	531 785	8 117	808	6 825	166 415	394	1 664	2 305	1 206	528	3 089	15 194	5 308			
Other professional, technical, and kindred workers	475 009	25 903	2 221	10 481	92 102	2 429	260	1 302	930	548	1 937	3 804	1 139			
Managers and administrators, except farm	5 325 901	22 080	38 267	422 282	967 934	31 929	20 729	34 792	21 599	13 575	67 442	117 773	26 251			
Buyers, purchasing agents, and sales managers	692 492	1 476	6 049	13 359	198 521	4 103	4 131	5 312	4 852	2 746	13 313	26 358	6 345			
Other managers and administrators	4 633 409	20 604	32 218	408 923	769 413	27 826	16 598	29 480	16 747	10 829	54 129	91 415	19 906			
Salaries	3 716 865	12 021	25 857	263 370	704 858	17 500	14 627	26 750	16 307	10 395	49 476	84 965	19 346			
Self-employed	916 544	8 583	6 361	145 553	64 555	10 326	1 971	2 730	440	434	4 713	6 450	560			
Sales workers	3 290 969	8 702	4 669	30 656	477 859	5 822	10 374	13 340	7 244	4 640	22 293	45 739	8 312			
Newsboys	53 733	901	161	—	48 812	155	176	345	400	174	673	1 451	498			
Other specified sales workers	918 113	7 801	4 508	27 344	378 659	5 667	10 138	12 995	6 844	4 466	21 620	44 288	7 814			
Salesmen and sales clerks, n.e.c.	2 318 423	—	—	—	—	—	—	—	—	—	—	—	—			

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

United States	Total		Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing					Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment		
	Total	Mining	Total	Special trade contractors	Total	Stone, clay, and glass products, except furniture	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)	Machinery, except electrical	Total	Lumber and wood products, except furniture	Furniture and fixtures				
Male, employed—Continued	3 632 956	23 222	10 381	37 418	102 377	23 426	15 028	915 152	11 578	15 028	23 426	55 028	16 640	59 144	110 743	88 005	56 118
Clerical and kindred workers	278 213	4 301	2 658	5 584	15 543	2 400	1 135	63 768	1 503	1 135	2 400	3 386	1 413	4 312	7 196	5 610	3 934
Bookkeepers	132 575	88	133	157	336	59	—	2 043	20	—	59	3 386	1 413	4 123	123	203	83
Cashiers	163 496	1 880	831	18 503	34 622	722	511	31 135	511	522	1 416	1 416	300	4 139	4 121	2 946	1 465
Estimators and investigators, n.e.c.	149 103	1 877	335	1 347	2 275	823	399	47 366	399	352	823	1 836	705	2 147	7 526	5 475	2 939
Office machine operators	128 256	796	519	1 383	4 558	506	403	24 816	3 004	397	506	1 738	3 971	1 730	2 685	1 803	8 835
Secretaries, stenographers, and typists	353 729	734	704	1 383	2 920	4 719	3 004	47 366	3 004	6 406	4 719	8 861	3 971	16 584	19 742	15 254	8 137
Shipping and receiving clerks	351 589	734	734	1 874	2 920	1 011	1 187	137 251	1 187	2 069	3 186	6 016	2 598	8 750	23 190	17 191	14 137
Stock clerks and storekeepers	2 075 995	11 112	4 467	8 315	37 977	11 011	4 551	415 890	4 551	4 551	11 011	31 645	7 146	21 359	46 160	39 327	22 932
Other clerical and kindred workers	10 121 156	157 808	43 101	1 307 378	2 576 630	103 447	97 384	3 636 289	88 441	97 384	103 447	285 826	82 029	264 409	456 381	250 891	227 932
Craftsmen and kindred workers	2 775 379	42 550	14 686	1 079 159	1 898 616	17 699	12 786	412 584	21 994	12 786	17 699	43 321	11 052	33 574	28 817	23 132	27 397
Construction craftsmen	163 188	7 262	487	88 452	142 236	1 756	—	13 448	67	—	1 756	7 254	6 114	1 172	3 728	260	410
Brickmasons and stonemasons	841 024	10 723	421	193 828	640 783	2 528	9 954	87 253	9 497	9 954	2 528	3 986	1 615	3 839	3 729	2 701	2 255
Carpenters	472 332	20 512	6 098	31 142	211 753	4 560	233	141 592	2 211	4 560	4 560	5 584	1 059	7 561	12 525	13 458	12 306
Electricians	312 617	993	941	215 639	242 157	564	1 907	38 761	591	1 907	564	924	456	2 997	4 157	2 993	4 053
Excavating, grading and road machine operators	355 583	2 249	884	139 649	233 768	1 725	7 341	76 547	571	1 725	1 725	7 341	456	3 954	5 427	3 177	7 237
Painters (const. & maint.), plasterers, & paperhangers	380 311	594	484	193 277	204 524	890	87	25 882	213	87	890	158	1 126	13 042	1 126	388	418
Plumbers and pipefitters	250 324	40 375	10 757	45 987	151 960	32 992	20 971	839 034	22 287	20 971	32 992	55 246	22 614	62 942	87 132	74 385	50 879
Other construction craftsmen	1 444 326	34 117	9 637	63 173	118 216	24 379	5 823	614 194	10 135	5 823	24 379	30 545	11 940	29 505	75 585	45 483	59 807
Foremen, n.e.c.	2 409 844	4 171	2 299	2 208	1 154 148	3 774	1 759	65 589	1 759	3 774	1 759	1 360	518	1 393	2 857	1 242	37 260
Mechanics and repairmen	1 068 311	5 906	1 382	60 141	76 956	12 833	8 395	884 116	8 395	12 833	12 833	90 470	27 346	116 303	242 630	77 012	76 607
Automobile, including body	649 148	3 988	683	1 576	4 761	3 879	2 748	584 770	2 748	3 879	3 879	7 171	1 064	66 815	205 417	58 903	54 495
Metal craftsmen, except mechanics	54 772	1 040	243	2 443	5 949	3 071	1 197	31 345	5 450	3 071	3 071	60 507	12 000	39 660	34 703	17 670	20 827
Machinists, job setters, and toolmakers	364 391	207	456	56 122	66 246	4 461	2 000	268 001	5 450	4 461	4 461	60 507	12 000	39 660	34 703	17 670	20 827
Blacksmiths, forgemen, hammermen, boilermakers	333 117	1 040	88	746	1 928	334	200	303 371	200	334	334	1 191	1 191	2 758	3 151	2 092	529
Other metal craftsmen	189 249	18 385	408	1 492	4 731	4 435	756	51 695	756	4 435	4 435	1 314	1 314	2 758	3 151	2 092	529
Printing craftsmen	1 900 730	15 936	6 125	56 680	324 223	13 635	5 694	531 275	24 674	13 635	13 635	60 344	7 572	17 480	16 429	25 794	10 534
Stationary engineers and power station operators	6 480 089	216 468	20 414	109 241	224 583	152 454	123 319	4 626 788	154 911	123 319	152 454	259 822	115 315	364 514	578 644	336 714	410 160
Other craftsmen and kindred workers	484 066	2 422	390	1 122	463 208	3 790	22 920	463 208	7 690	22 920	3 790	4 702	2 508	30 308	93 412	74 227	127 934
Operatives, except transport	360 105	245	140	419	360 105	8 028	4 418	360 105	2 738	4 418	8 028	17 401	9 325	22 770	51 593	57 629	49 234
Assemblers	92 884	207	81	265	609	2 044	1 135	81 899	5 626	1 135	2 044	2 044	2 980	13 290	8 961	4 036	10 768
Checkers, examiners, and inspectors, manufacturing	99 041	1 523	436	817	2 465	1 346	817	75 186	3 980	1 346	1 346	2 289	995	8 129	9 961	8 991	13 225
Filters, polishers, sanders, and buffers	376 508	267	112	70	353	755	504	358 504	3 980	755	755	2 780	6 355	36 898	153 629	25 655	37 930
Painters, manufactured articles	55 770	656	63	80	301	271	620	53 544	620	271	1 173	17 254	3 445	12 698	23 045	5 392	5 377
Precision machine operatives	125 189	396	112	606	1 411	309	2 371	119 173	2 371	309	309	1 715	1 664	54 313	47 559	6 096	16 075
Drill press operatives	131 611	204	119	61	400	413	645	124 836	645	413	413	1 618	1 385	10 181	54 313	9 621	9 912
Grinding machine operatives	63 938	85	119	61	400	232	2 279	60 961	2 279	232	232	1 618	1 385	8 277	28 712	4 346	6 566
Lathe and milling machine operatives	114 990	165	145	498	950	1 202	499	110 951	499	1 202	1 202	6 567	3 559	16 619	18 619	16 146	23 205
Precision machine operatives, n.e.c.	6 788	1 055	534	284	1 050	8 028	3 092	5 967	—	3 092	8 028	3 092	1 629	510	755	1 864	1 011
Punch and stamping press operatives	90 106	10 989	2 458	26 546	61 927	2 042	6 202	346 473	4 246	2 042	2 042	30 168	5 342	1 196	1 396	1 490	330
Solders	518 921	201 308	6 451	69 451	121 624	30 685	25 830	46 573	2 151	6 202	30 168	30 168	5 342	72 303	73 922	20 772	48 631
Stationary firemen	2 738 305	39	4 549	1 084	5 786	37 208	14 420	659 229	65 360	25 830	30 685	60 513	25 956	46 577	35 799	35 582	23 461
Welders and flame-cutters	407 172	22	2 063	3 700	13 572	9 897	9 897	366 369	24 287	14 420	37 208	40 586	12 436	39 414	35 799	30 763	22 461
Other specified operatives	444 699	189	1 665	2 659	4 912	18 484	9 090	306 948	13 511	9 090	18 484	19 052	10 364	33 269	55 196	24 101	28 535
Machine operatives, miscellaneous specified	214 282	45 547	28 490	28 811	174 656	54 166	10 478	180 064	45 547	10 478	54 166	26 266	12 083	19 729	21 968	12 099	13 683
Machine operatives, not specified	2 821 034	1 689	4 472	3 272	6 656	1 789	1 930	596 183	45 644	1 930	54 166	26 266	12 083	28 773	27 294	17 127	31 814
Miscellaneous operatives	214 282	1 601	1 106	1 696	144 151	11 368	2 369	154 492	1 789	2 369	11 368	8 653	6 060	11 843	11 971	7 881	15 275
Not specified operatives	645 428	32 648	20 212	22 717	144 151	37 102	5 194	247 817	28 703	5 194	37 102	10 647	4 864	12 774	11 198	5 979	10 930
Transport equipment operatives	1 369 678	9 609	2 700	1 126	18 393	56 262	—	56 262	—	—	—	—	—	—	—	—	—
Transport equipment operatives	1 369 678	9 609	2 700	1 126	18 393	56 262	—	56 262	—	—	—	—	—	—	—	—	—
Deliverymen and rouletmen	591 866	1 601	1 106	1 696	144 151	11 368	2 369	154 492	1 789	2 369	11 368	8 653	6 060	11 843	11 971	7 881	15 275
Fork lift and tow motor operatives	214 062	32 648	20 212	22 717	144 151	37 102	5 194	247 817	28 703	5 194	37 102	10 647	4 864	12 774	11 198	5 979	10 930
Truck drivers	1 369 678	9 609	2 700	1 126	18 393	56 262	—	56 262	—	—	—	—	—	—	—	—	—
Other transport equipment operatives	645 428	9 609	2 700	1 126	18 393	56 262	—	56 262	—	—	—	—	—	—	—	—	—



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)			Machinery, except electrical
<b>United States</b>															
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>	3 150 252	163 193	24 985	599 097	121 859	806 039	14 396	45 869	86 818	16 364	40 879	39 642	27 402	35 899	
Construction laborers	590 648	1 082	3 302	513 674	113 376	24 453	1 339	3 771	4 943	4 853	1 886	1 274	407	526	
Freight, stock, and material handlers	1 200 094	2 120	13 657	13 857	6 286	315 248	7 386	20 180	18 869	4 438	16 340	17 107	16 167	20 482	
Vehicle washers and equipment cleaners	105 663	230	631	860	280	32 587	209	1 287	1 763	693	1 569	3 083	1 710	2 959	
Other specified laborers	705 681	151	655	69 529	1 899	155 015	78 773	1 204	1 412	570	1 834	1 544	1 553	1 166	
Miscellaneous laborers	185 372	5 200	2 193	42		81 615	6 819	572	3 205	2 772	7 119	5 181	1 540	2 920	
Not specified laborers	362 794	3 025	3 547	1 135	18	197 121	13 067	4 666	28 706	7 038	12 131	11 453	6 625	7 646	
<b>Farm workers</b>	2 155 568	2 155 568													
<b>Service workers, including private household</b>	3 877 558	11 190	9 356	37 698	5 465	382 714	9 321	11 410	24 592	7 640	19 778	30 227	28 070	26 510	
Cleaning service workers	1 257 185	5 669	5 283	21 003	3 336	243 965	4 797	8 450	16 644	5 315	14 191	22 190	18 947	18 439	
Food service workers	867 705	834	874	1 013	211	10 367	144	92	164	71	83	569	530	231	
Health service workers	143 098	695	89	63	63	772			147	112		58	40	99	
Personnel service workers	391 644	461	184	1 794	274	7 836	45	211	231	154	305	389	270	414	
Guards and watchmen	305 902	1 737	2 325	6 250	485	76 949	3 583	2 225	6 108	1 769	4 012	5 516	7 122	6 185	
Other service workers, including private household	912 024	1 794	601	7 578	1 096	42 825	364	432	1 298	219	1 187	1 505	1 161	1 142	
<b>Female, employed</b>	29 074 510	329 602	51 367	269 784	111 970	5 678 651	53 678	108 136	61 700	49 684	220 035	327 935	736 368	130 940	
<b>Professional, technical, and kindred workers</b>	4 575 990	7 646	4 258	11 736	2 483	220 966	934	4 702	2 877	2 126	5 601	15 409	27 950	4 086	
Accountants	179 845	644	1 144	3 802	955	27 514	427	811	535	457	1 901	3 027	3 973	574	
Computer specialists	50 254	144	324	454	20	13 537	91	154	146	66	270	3 685	2 122	507	
Engineers	20 077	32	168	1 516	105	8 448	60	23	178	58	229	938	2 433	193	
Librarians, archivists, and curators	101 008	21	163	74		2 565	17	18	105	21	21	173	258	40	
Life and physical scientists	26 886	21	583	30		7 563	17	184	149	157	223	293	253	34	
Physicians, dentists, and related practitioners	44 417	909	192	273	17	508		401	965	365	21	1 569	45		
Registered nurses, dietitians, and therapists	899 102	355	192	273	17	13 788	27	115	34	20	777	1 857	1 857	1 306	
Health technologists and technicians	182 173	105	40			1 578			23		43	21	22	67	
Social scientists	20 217	66				1 731	33					127	208		
Social and recreation workers	157 337			22		222		19					38		
Teachers, except college and university	1 936 646	55		104	54	4 490	23	175		22		313		45	
Engineering and science technicians	88 305	580	999	2 289	230	44 198	95	86	398	468	1 003	2 550	9 788	378	
Technicians, exc. health, and engineering and science	16 992	147	69	176	16	698		22	16			63	129	18	
Writers, artists, and entertainers	229 309	1 995	76	1 292	707	63 698	161	1 448	22	164	346	1 089	2 528	161	
Other professional, technical, and kindred workers	623 422	2 028	500	1 704	395	31 428	242	490	306	308	726	1 561	3 571	363	
<b>Managers and administrators, except farm</b>	1 061 076	2 892	1 509	12 114	5 203	68 838	1 212	1 596	799	722	3 486	5 841	5 551	733	
Buyers, purchasing agents, and sales managers	134 825	212	226	640	199	12 584	158	294	163	136	1 518	1 518	1 585	131	
Other managers and administrators	926 251	2 680	1 283	11 474	5 004	56 254	1 054	1 623	610	586	2 715	4 323	3 966	602	
Self-employed	714 912	1 377	1 093	8 872	3 814	49 172	855	1 370	610	586	2 470	4 090	3 807	514	
Self-employed	211 339	1 303	192	2 602	1 190	7 082	199	253	401		245	233	159	88	
<b>Sales workers</b>	2 142 509	3 616	242	3 759	1 693	57 465	370	692	819	207	909	1 425	2 459	164	
<b>Clerical and kindred workers</b>	10 149 827	43 732	36 359	189 516	76 488	1 560 562	17 764	25 882	37 592	20 827	82 786	160 676	175 060	45 394	
Billing clerks	84 408	167	298	914	540	25 390	356	922	903	447	1 483	2 586	2 506	506	
Bookkeepers	1 273 708	13 372	5 279	53 115	27 793	196 753	5 571	4 738	3 983	2 582	12 556	18 954	16 109	4 128	
Cashiers	691 729	326	66	350	57	85	111	85	36	81	100	160	601	417	
Counter clerks, except food	149 635	157	127	196	102	20 833	374	289	402	163	481	1 425	1 947	306	
File clerks	297 452	497	909	2 751	942	53 310	177	639	987	709	2 342	6 140	7 273	1 941	
Office machine operators	413 611	862	2 043	4 022	2 466	104 642	720	1 417	4 019	1 508	4 878	13 260	13 087	5 617	
Bookkeeping and billing machine operators	57 812	75	134	701	246	7 765	98	121	224	125	547	867	636	120	
Keypunch operators	247 862	457	1 488	2 685	442	68 360	428	875	1 232	2 888	3 197	9 266	9 047	3 751	

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

	Agriculture, forestry, and fisheries		Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total	Female		Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)			Machinery, except electrical
<b>United States</b>														
<b>PERSONS 16 YEARS OLD AND OVER - Continued</b>														
<b>Female, employed - Continued</b>														
<b>Clerical and kindred workers - Continued</b>														
Payroll and timekeeping clerks	107 484	530	732	1 565	574	1 230	1 336	1 413	837	3 108	5 169	4 254	1 302	
Receptionists	288 964	4 170	805	1 324	247	708	1 801	439	418	2 104	3 033	2 280	818	
Secretaries	2 642 576	11 330	17 020	30 932	6 376	13 825	13 825	12 792	8 389	29 899	62 708	64 919	16 339	
Statistical clerks	158 040	484	520	188	200	335	506	805	175	1 035	2 792	4 081	1 112	
Stenographers	119 990	606	1 107	445	95	159	512	267	378	1 305	2 248	2 098	1 112	
Telephone operators	391 641	120	530	554	158	512	631	715	535	1 356	2 769	3 020	854	
Typists	922 777	3 110	2 649	3 850	876	2 413	2 709	5 215	2 265	9 505	17 841	22 420	5 122	
Other clerical and kindred workers	2 607 812	8 021	4 274	7 440	2 253	4 493	5 196	5 216	2 340	12 634	21 225	30 465	6 084	
<b>Craftsmen and kindred workers</b>														
Foremen, n.e.c.	517 648	1 854	1 768	18 375	3 588	11 002	2 914	4 109	2 625	8 898	11 939	29 354	5 035	
Mechanics and repairmen	126 344	220	633	405	434	1 679	974	549	546	2 206	2 433	9 045	9 881	
Printing craftsmen	49 170	149	240	719	80	130	230	212	212	6 353	1 825	6 353	1 363	
	57 860	41	-	41	101	121	67	33	35	536	1 720	1 048	1 114	
<b>Operatives, except transport</b>														
Assemblers	4 035 745	9 848	5 489	3 615	23 009	63 620	59 452	11 740	21 442	108 316	124 546	479 615	69 944	
Bottling and canning operatives	459 134	147	112	428	2 688	10 344	3 561	1 017	3 223	22 349	46 814	198 166	26 691	
Checkers, examiners, inspectors, manufacturing	16 082	62	-	-	27	3 556	18 784	1 901	3 482	13 571	18 301	77 128	8 710	
Graders and sorters, manufacturing	24 113	-	-	-	1 025	37	827	218	149	529	131	952	157	
Packers and wrappers, except produce	355 696	-	43	66	1 694	3 332	11 068	772	1 441	8 874	4 793	12 450	2 305	
Produce graders and packers, exc. factory and farm	20 207	992	23	-	-	42	145	-	38	42	37	202	22	
Aixing operatives	2 616	-	-	-	-	15 278	580	30	59	543	660	1 397	3 729	
Sewers and slitchers	816 441	90	23	198	167	17 170	6 173	3 521	5 783	32 241	30 334	81 728	14 701	
Other specified operatives	1 289 083	2 040	5 271	2 380	5 708	4 496	9 548	1 677	3 541	10 651	7 824	40 569	4 967	
Machine operatives, miscellaneous specified	290 945	665	21	111	4 496	2 987	2 151	1 250	1 903	12 325	8 781	22 711	5 101	
Machine operatives, not specified	150 621	86	19	111	3 050	3 955	4 879	628	1 230	4 074	3 967	27 334	1 805	
Miscellaneous operatives	187 870	1 163	-	146	1 230	1 499	1 736	726	593	2 884	2 801	16 718	1 719	
Not specified operatives	90 299	-	-	-	582	154	786	334	104	454	289	618	721	
<b>Transport equipment operatives</b>														
Deliverymen and routemen	133 898	874	407	380	582	154	786	334	104	454	289	618	721	
	19 163	255	-	34	-	-	25	-	-	38	18	51	111	
<b>Laborers, except farm</b>														
Farm workers	280 385	18 941	329	2 141	5 175	2 434	3 457	1 715	1 013	7 392	3 142	9 818	2 005	
<b>Farm workers, except private household<sup>1</sup></b>														
Cleaning service workers	4 812 200	7 008	1 006	1 592	1 044	1 226	1 412	2 327	598	2 193	4 668	5 943	2 858	
Cleaners and charwomen	596 487	2 837	643	812	680	732	784	1 549	407	1 112	2 419	2 541	1 317	
Food service workers	249 295	1 686	238	440	312	304	419	587	188	448	984	1 104	461	
Waiters and food counter workers	1 913 363	2 235	135	125	168	151	147	502	384	384	319	244	940	
Health service workers	1 027 762	58	92	58	27	22	17	259	21	123	487	626	250	
Personal service workers	1 046 885	336	303	58	27	43	83	136	70	233	126	70	73	
Protective service workers	777 896	81	13	48	38	66	154	21	46	106	164	551	149	
Private household workers	59 350	81	-	40	33	38	56	-	87	53	53	290	145	
	1 131 981	-	-	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Other durable goods	Ordinance	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking and warehousing	Other transportation
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>	<b>Male, employed</b>															
Professional, technical, and kindred workers	607 470	377 125	205 624	979 328	1 026 525	520 967	270 129	508 505	787 529	762 804	363 672	677 155	4 085 682	595 859	979 460	872 079
Accountants	181 208	34 421	69 843	124 068	50 591	24 348	13 240	39 880	97 661	158 971	34 434	71 341	350 618	17 475	10 129	85 713
Architects	7 958	2 413	2 827	7 052	9 676	2 991	1 611	5 043	5 936	11 039	3 623	7 633	31 013	4 330	3 505	6 761
Computer specialists	21	762	82	89	103	37	—	35	59	94	—	41	684	37	—	363
Engineers	7 367	703	3 639	3 075	2 270	1 434	996	2 489	2 459	4 388	1 272	2 818	11 303	1 165	546	2 230
Aeronautical and astronautical	103 115	13 769	39 246	33 270	11 280	6 244	2 534	10 398	2 575	42 931	12 241	16 907	105 697	4 750	1 216	14 360
Chemical	51 866	83	4 142	383	—	—	—	37	16	—	—	19	1 106	—	—	1 083
Civil	7 926	107	701	1 076	851	254	68	1 254	21	23 565	1 761	5 969	861	—	17	16
Electrical and electronic	2 506	437	895	512	452	46	40	485	40	1 546	219	902	13 360	2 436	117	1 542
Industrial	14 933	2 673	9 009	5 425	741	248	20	781	247	2 100	692	1 062	60 540	838	141	1 124
Mechanical	13 433	2 474	9 952	8 408	4 945	3 796	1 873	3 136	1 261	3 568	2 231	5 525	5 525	531	480	1 255
Other engineers	12 239	5 569	8 837	5 218	1 968	901	235	1 746	439	4 724	1 818	2 391	13 941	423	236	8 404
Lawyers and judges	7 412	2 406	9 710	12 248	2 323	999	298	2 959	551	4 861	4 183	4 343	10 364	522	225	936
Librarians, archivists, and curators	439	80	121	546	431	189	43	209	321	1 485	129	916	3 480	554	357	658
Mathematical specialists	71	19	19	21	21	—	—	20	257	132	—	60	754	—	—	38
Life and physical scientists	895	19	528	213	194	56	20	99	166	731	86	235	1 392	355	66	125
Chemists	2 410	514	1 473	3 026	5 263	1 592	81	2 134	326	32 162	2 591	5 148	3 912	111	25	427
Operations and systems researchers and analysts	1 388	325	564	2 056	1 057	1 547	60	1 424	171	28 988	2 554	4 167	2 144	92	25	171
Personnel and labor relations workers	7 769	1 479	2 481	2 111	1 057	706	294	1 408	1 045	2 377	1 064	1 094	3 230	410	132	1 021
Physicians, dentists, and related practitioners	4 042	1 079	1 931	3 068	3 834	2 910	924	2 669	1 913	5 517	2 063	2 818	15 965	1 524	2 083	3 274
Dentists	44	80	19	64	232	—	20	54	21	1 155	—	18	334	31	20	78
Pharmacists	19	—	—	22	22	—	—	19	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	44	61	19	20	65	—	—	35	—	559	—	—	56	—	20	—
Other related practitioners	—	—	—	22	145	—	—	—	21	460	—	18	204	31	—	19
Registered nurses, dietitians, and therapists	66	23	59	62	217	—	—	—	19	61	—	19	96	21	—	27
Health technologists and technicians	105	259	59	1 564	36	—	—	33	65	732	17	161	598	28	—	103
Religious workers	18	—	15	—	—	—	—	—	65	—	—	—	16	—	—	—
Social scientists	1 768	187	648	1 345	1 587	187	138	578	916	3 037	639	1 573	3 194	232	45	667
Social and recreation workers	43	—	21	27	16	132	—	—	59	—	77	—	155	—	19	—
Teachers, college and university	978	321	333	488	92	461	68	189	160	172	172	60	3 372	129	105	2 295
Teachers, except college and university	30 537	8 890	10 895	19 052	9 147	4 919	1 185	10 018	2 347	42 126	7 882	12 508	47 336	2 546	499	3 864
Engineering and science technicians	9 898	4 709	2 766	6 707	1 068	514	817	1 282	1 252	3 980	1 794	2 699	12 490	1 174	79	715
Draftsman	8 236	1 698	3 850	3 635	136	72	—	244	358	864	142	513	21 985	579	80	1 384
Electrical and electronic engineering technicians	5 079	432	907	1 151	674	578	61	375	138	1 504	584	239	12 388	58	58	1 169
Industrial and mechanical engineering technicians	7 324	2 051	3 372	7 541	7 269	3 755	307	8 117	599	35 778	5 362	9 057	12 388	756	282	1 596
Other engineering and science technicians	3 627	294	586	451	323	257	68	365	147	704	418	391	55 272	147	591	45 581
Technicians, exc. health, and eng. and science	1 113	98	84	68	263	128	68	121	18	207	58	170	39 888	—	173	39 332
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	110	49	95	—	60	—	—	22	—	36	—	47	7 205	89	83	4 823
Radio operators and air traffic controllers	2 404	147	407	383	—	129	—	201	104	461	360	174	8 159	58	315	1 426
Other technicians, exc. health, and eng. and science	7 758	2 889	3 267	8 039	2 510	1 742	5 205	2 843	77 220	3 505	1 590	2 278	45 940	515	671	2 906
Writers, artists, and entertainers	2 185	623	1 434	40 505	2 302	491	53	2 294	1 555	6 499	551	16 665	16 875	590	233	935
Other professional, technical, and kindred workers	32 116	16 728	13 056	73 351	90 923	25 593	33 735	31 226	81 291	70 651	26 591	43 541	341 537	75 117	69 370	70 566
Managers and administrators, except farm	7 085	3 740	2 280	10 252	22 123	3 613	4 533	7 441	20 052	16 218	5 263	6 543	21 858	2 245	3 130	4 879
Buyers, purchasing agents, and sales managers	25 031	12 988	10 776	63 099	68 800	21 980	29 202	23 785	61 239	54 433	21 328	36 998	319 679	72 872	66 240	65 687
Other managers and administrators	24 656	11 721	10 652	55 389	62 952	20 865	25 531	23 104	51 873	52 982	20 471	33 971	295 635	72 872	52 342	59 801
Salaries	375	1 267	124	7 710	5 848	1 115	3 671	681	9 366	1 451	857	3 027	24 044	—	13 898	5 886
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	2 985	3 674	881	33 415	51 661	9 996	20 104	16 476	102 052	47 871	10 419	37 197	53 396	3 052	12 297	7 794
Newsboys	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified sales workers	555	331	213	6 467	1 013	42	40	353	48 812	728	295	20 723	12 538	631	79	398
Salesmen and sales clerks, n.e.c.	2 430	3 343	668	26 948	50 648	9 954	20 064	16 123	38 609	47 143	10 124	16 474	40 858	2 421	12 218	7 396

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

United States	Manufacturing—Con.											Transportation, communications, and other public utilities					
	Manufacturing—Con.											Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Other transportation equipment	Ord-nance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabric-textile products	Paper and allied products	Printing, publishing and allied industries	Chem-icals and allied products	Rubber and miscel-laneous plastic products	Other non-durable goods	Total	Rail-roads and railway express service	Trucking service and ware-housing	Other transpor-tation
48 536	20 663	15 099	63 603	52 969	30 410	27 213	30 902	69 649	50 583	23 771	46 094	90 283	75 589	113 578	90 283	75 589	113 578
1 256	1 256	1 982	2 111	7 350	1 615	1 542	1 942	3 805	4 654	1 377	3 529	5 478	5 732	4 167	5 478	5 732	4 167
2 102	2 084	557	1 290	2 708	394	271	1 036	3 316	1 573	603	859	1 025	820	8 433	1 025	820	8 433
3 213	509	1 450	2 293	2 133	1 387	923	1 545	4 832	3 516	1 127	2 236	4 603	2 745	1 877	3 511	2 745	1 877
742	406	228	1 432	1 187	608	784	774	4 149	1 135	636	953	5 405	1 301	1 971	5 405	1 301	1 971
3 073	2 088	1 081	10 635	16 248	12 181	14 710	8 635	8 521	12 979	8 274	6 932	34 449	19 239	8 782	34 449	19 239	8 782
9 733	4 271	3 134	6 912	6 077	4 527	3 036	4 447	2 806	6 092	3 762	4 140	27 858	3 946	6 695	27 858	3 946	6 695
27 180	10 027	7 667	38 294	18 751	9 628	5 906	12 265	42 013	20 562	7 954	27 359	290 358	39 062	79 064	290 358	39 062	79 064
166 798	166 196	43 557	234 157	183 774	126 868	58 757	112 859	321 265	132 248	73 664	139 386	207 990	88 848	146 103	207 990	88 848	146 103
17 186	69 974	5 366	10 759	13 768	8 344	1 394	14 903	3 520	27 776	7 479	12 343	105 403	3 211	13 185	105 403	3 211	13 185
83	120	1	96	2 166	43	47	146	88	437	57	154	12 733	687	2 867	12 733	687	2 867
1 631	28 531	1 396	2 311	2 353	1 815	438	1 548	516	3 727	437	2 185	16 433	379	5 622	16 433	379	5 622
10 326	14 479	1 584	4 286	6 038	4 680	704	7 029	1 647	9 367	3 280	2 973	10 841	1 235	8 333	10 841	1 235	8 333
229	8 866	730	1 837	1 564	1 07	1 197	661	728	1 891	558	584	2 474	407	2 666	2 474	407	2 666
1 974	14 442	1 309	1 724	2 238	1 210	102	661	304	9 972	2 297	5 398	7 444	124	7 24	7 444	124	7 24
409	3 106	1 139	352	2 238	1 210	28	171	173	589	2 218	3 341	2 077	311	343	2 077	311	343
33 306	21 000	12 237	36 361	60 460	45 862	17 849	33 865	30 952	55 972	30 513	31 209	148 123	27 272	15 875	148 123	27 272	15 875
50 344	14 113	11 174	22 153	47 880	58 511	10 972	24 292	10 958	36 217	17 626	16 752	286 380	48 443	100 306	286 380	48 443	100 306
807	752	564	571	8 088	498	152	737	460	1 162	626	901	77 868	43 525	23 299	77 868	43 525	23 299
59 474	40 860	11 292	33 400	10 908	7 443	1 846	15 898	4 322	16 619	13 767	11 235	28 992	995	4 862	28 992	995	4 862
39 759	17 982	8 623	22 787	7 696	6 456	1 525	8 324	3 010	9 587	12 000	8 100	17 440	421	2 432	17 440	421	2 432
849	2 935	87	10 168	400	107	20	557	742	1 192	1 101	1 103	5 416	61	127	5 416	61	127
18 866	19 943	2 382	10 445	2 812	880	301	7 017	742	5 840	1 866	2 032	6 136	513	2 303	6 136	513	2 303
829	339	352	1 785	7 113	2 470	671	14 055	267 927	1 671	1 456	1 456	2 274	1 025	3 370	2 274	1 025	3 370
1 466	840	933	1 628	7 113	1 149	264	4 159	866	6 980	940	5 869	63 966	7 436	8 092	63 966	7 436	8 092
4 193	19 070	2 203	128 071	42 713	3 089	25 761	5 687	2 720	7 013	2 057	60 522	495 286	17 921	48 600	495 286	17 921	48 600
152 727	101 196	46 194	333 802	291 504	242 929	93 918	203 232	67 194	198 623	155 638	243 978	157 258	17 921	48 600	157 258	17 921	48 600
24 668	11 073	7 625	20 438	4 322	4 322	794	2 545	1 237	2 943	4 284	4 970	1 671	367	268	1 671	367	268
27 648	5 891	10 208	12 796	10 873	11 241	3 344	5 999	1 816	7 815	12 683	24 156	325	41	119	325	41	119
3 599	9 10	664	9 601	252	277	143	316	102	764	1 402	1 053	81	39	84	81	39	84
3 171	4 676	886	4 165	974	494	271	1 152	302	1 902	1 402	1 509	934	127	216	934	127	216
25 271	5 305	3 746	10 148	1 284	1 602	228	1 211	426	1 538	3 317	2 506	184	—	—	184	—	—
3 111	1 174	799	2 244	53	209	47	304	61	1 109	555	710	83	—	—	83	—	—
7 754	1 423	884	1 706	583	209	23	305	27	332	390	344	260	56	134	390	260	134
11 710	2 142	1 448	4 225	454	624	81	406	317	941	1 977	1 229	795	245	144	795	245	144
2 696	566	615	1 973	194	683	77	196	21	156	320	223	565	75	28	565	75	28
2 625	1 458	430	2 773	141	91	175	653	551	341	955	869	471	168	28	471	168	28
181	109	76	877	41	217	368	4 399	164	5 459	1 145	145	60	23	—	60	23	—
1 332	502	676	992	3 618	2 117	164	3 999	289	4 399	1 145	3 185	11 511	200	1 364	11 511	200	1 364
8 678	38 412	2 962	7 705	3 512	1 149	181	3 160	289	6 828	1 869	5 793	23 131	1 614	2 408	23 131	1 614	2 408
11 109	10 169	3 884	195 968	130 909	225 160	66 102	48 260	19 340	47 965	21 972	129 738	54 857	10 025	25 657	54 857	10 025	25 657
9 685	5 866	5 430	26 816	70 207	—	8 278	82 526	19 077	52 687	69 623	35 236	8 184	1 609	659	8 184	1 609	659
11 814	2 811	5 384	14 735	20 532	—	1 620	28 792	7 055	41 727	16 884	11 413	9 018	752	640	9 018	752	640
6 432	8 832	2 432	16 620	30 852	—	9 333	16 670	15 107	15 750	13 115	14 133	39 011	2 612	16 695	39 011	2 612	16 695
6 494	5 182	1 791	10 168	13 987	—	3 081	7 549	1 728	12 867	7 615	9 270	6 755	437	462	6 755	437	462
4 850	8 709	4 523	32 132	163 488	12 515	4 811	28 397	20 018	25 535	10 442	27 118	1 095 339	583 663	288 689	1 095 339	583 663	288 689
571	1 106	246	2 783	94 331	829	1 246	9 914	9 914	3 410	694	3 381	9 375	39 706	2 913	9 375	39 706	2 913
1 674	1 870	1 827	3 758	18 944	4 822	4 469	13 518	2 089	7 449	4 872	3 179	15 141	9 243	3 580	15 141	9 243	3 580
2 077	5 029	1 908	7 421	47 990	6 389	2 940	11 788	7 080	13 455	4 320	7 450	595 715	532 055	8 218	595 715	532 055	8 218
528	704	542	18 170	2 223	475	156	1 100	935	1 221	556	12 396	437 108	2 659	273 978	437 108	2 659	273 978

\*Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordinance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and express service	Trucking service and warehousing	Other transportation
<b>United States</b>																
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>																
<b>Male, employed—Continued</b>																
<b>Laborers, except farm</b>																
Construction laborers	6 612	17 446	5 856	53 148	97 744	29 938	8 429	31 710	14 909	33 898	18 170	42 284	411 919	57 884	112 358	71 886
Freight, stock, and material handlers	274	2 791	143	375	869	544	129	881	72	1 326	289	895	23 093	1 977	469	1 132
Vehicle washers and equipment cleaners	3 028	4 263	2 445	8 984	52 812	16 512	6 855	15 739	9 766	16 498	9 128	9 801	236 946	10 909	102 128	54 784
Other specified laborers	582	1 395	243	773	7 820	3 284	117	1 189	770	1 115	1 087	1 159	12 874	2 485	1 743	6 892
Miscellaneous laborers	581	4 411	398	35 721	2 775	7 999	90	1 553	619	2 603	3 533	20 139	44 255	1 445	1 801	1 801
Not specified laborers	396	2 065	864	1 218	6 056	2 364	45	2 254	580	898	1 836	1 786	59 031	31 723	9 222	2 537
	1 751	6 521	1 763	6 077	27 412	6 435	1 193	10 094	3 102	11 458	5 277	8 484	35 720	9 701	5 651	4 690
<b>Farm workers</b>																
Cleaning service workers	11 638	8 092	6 815	31 652	43 871	18 370	9 922	13 823	13 490	24 424	10 593	26 216	109 435	18 267	9 285	39 200
Food service workers	6 039	4 313	3 438	11 238	30 114	13 263	6 886	9 642	10 524	16 734	8 082	10 488	53 612	5 703	5 761	14 062
Health service workers	302	129	131	195	5 788	115	125	374	347	508	17	353	10 612	3 387	100	6 756
Personal service workers	—	—	—	—	—	24	—	16	—	103	—	20	1 437	—	48	1 272
Guards and watchmen	168	82	91	478	1 769	693	520	393	394	197	197	702	12 064	2 254	1 016	8 231
Other service workers, including private household	4 189	2 481	2 648	3 131	4 893	4 147	2 353	2 794	1 705	5 602	1 759	3 141	12 421	2 740	2 211	3 219
	940	1 047	489	16 589	1 249	128	38	604	520	1 187	462	11 512	19 269	4 183	149	5 680
<b>Female, employed</b>																
Accountants	9 915	2 002	4 232	13 936	11 997	7 858	9 417	4 889	53 398	23 498	3 829	11 101	47 205	1 483	1 897	7 043
Computer specialists	1 546	402	501	1 440	2 305	646	708	1 064	2 207	1 978	845	1 436	10 212	638	1 177	2 731
Engineers	1 264	217	855	626	1 822	304	181	323	822	947	198	554	3 372	218	76	433
Librarians, archivists, and curators	379	73	58	429	182	183	295	182	132	530	155	176	2 614	20	25	176
Life and physical scientists	144	—	81	349	128	64	21	105	39	425	60	169	373	—	—	35
Physicians, dentists, and related practitioners	—	—	—	—	757	64	—	—	—	4 262	168	247	260	9	—	123
Registered nurses, dietitians, and therapists	794	323	347	655	719	468	170	609	291	342	22	83	1 188	184	38	194
Health technologists and technicians	22	—	18	160	45	—	—	49	168	168	265	423	94	—	39	39
Social scientists	100	19	35	61	156	24	15	21	346	244	—	209	804	—	—	41
Social and recreation workers	—	—	—	17	—	—	60	—	21	—	—	44	211	—	—	19
Teachers, except college and university	64	—	17	196	84	1 170	991	79	53	158	79	137	733	11	—	180
Engineering and science technicians	1 818	296	675	2 593	5 221	2 980	723	1 244	863	9 926	1 130	1 109	5 822	160	73	147
Technicians, exc. health, and engineering and science	79	22	37	20	34	12	21	92	62	50	21	—	1 701	—	81	1 064
Writers, artists, and entertainers	813	286	452	1 774	312	1 327	5 163	429	45 077	1 004	281	763	7 672	42	154	616
Other professional, technical, and kindred workers	1 615	237	644	5 458	1 710	659	1 045	830	3 024	2 116	605	5 758	12 066	201	273	1 245
Managers and administrators, except farm	1 440	829	617	6 247	5 474	1 954	6 979	1 599	12 826	4 097	1 273	3 646	37 371	4 240	4 240	15 456
Buyers, purchasing agents, and sales managers	539	216	147	855	494	300	635	421	2 346	999	421	954	934	60	49	287
Other managers and administrators	901	613	470	5 392	4 980	1 778	6 344	1 178	10 480	3 098	998	3 234	36 437	1 245	4 191	15 169
Salaried	881	595	448	4 451	4 355	1 645	5 222	1 138	8 508	2 918	911	2 946	33 808	1 245	3 238	13 766
Self-employed	20	18	22	941	625	189	1 122	40	1 972	180	87	288	2 629	—	953	1 403
Sales workers	199	183	101	5 114	6 990	1 025	4 923	863	22 019	2 862	513	5 401	14 560	245	714	4 311
Clerical and kindred workers	65 277	19 590	25 634	133 779	97 490	54 464	68 231	47 424	202 564	108 121	37 370	99 196	831 888	34 170	85 333	111 038
Billing clerks	183	153	79	2 074	1 677	1 792	1 393	1 410	2 496	1 823	798	954	12 323	705	3 744	771
Bookkeepers	3 228	2 632	1 384	14 440	22 418	6 511	15 569	6 386	24 560	11 863	4 752	8 933	63 872	2 493	16 806	10 304
Cashiers	253	44	121	604	1 780	201	374	131	922	563	75	654	15 659	266	1 720	2 812
Counter clerks, except food	271	62	87	1 280	1 890	1 044	1 001	770	7 541	1 400	411	800	8 300	408	510	465
File clerks	4 116	788	953	3 675	1 748	2 021	2 357	1 153	9 228	3 013	827	2 615	20 301	1 306	3 441	1 961
Office machine operators	5 657	1 034	1 459	5 966	7 344	3 457	4 084	3 049	11 002	6 382	3 134	5 619	30 387	3 749	4 713	3 575
Bookkeeping and billing machine operators	73	120	—	772	524	352	590	379	1 223	296	208	351	2 620	123	845	155
Keypunch operators	3 998	724	940	3 897	4 036	2 554	2 510	1 905	5 562	4 511	2 194	3 748	19 561	2 563	3 038	2 629

\*Includes allocated cases not shown separately.



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	Transport., comm., and other public utilities—Cont.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>														
<b>Male, employed</b>														
Professional, technical, and kindred workers	550 391	865 918	2 374 100	550 696	6 636 955	1 183 966	1 502 658	264 243	938 083	2 093 205	1 930 169	503 742	693 583	732 844
Accountants	125 294	96 698	112 719	11 511	193 433	20 161	12 094	3 509	15 053	130 963	139 282	50 099	54 653	34 550
Architects	5 323	10 733	8 329	4 329	21 953	3 290	5 055	1 037	6 112	7 161	47 362	22 463	14 134	10 765
Engineers	3 954	3 273	8 330	832	4 906	1 833	443	183	139	1 621	21 001	9 287	9 582	2 132
Computer specialists	42 775	41 822	35 965	1 049	8 631	1 431	1 246	151	207	4 797	10 231	9 997	6 360	2 874
Aeronautical and astronautical	25	778	172	—	195	—	86	—	—	109	153	—	77	76
Chemical	1 298	7 798	1 119	139	838	178	173	23	61	109	1 699	145	697	857
Civil	37 048	21 304	3 440	91	1 557	202	20	17	23	808	4 492	132	44	316
Electrical and electronic	1 274	1 919	2 837	223	1 308	492	103	17	85	384	5 712	337	4 980	395
Industrial	1 576	4 164	3 301	264	1 203	139	212	21	17	687	435	68	122	245
Mechanical	2 554	5 836	23 934	332	3 930	420	652	90	21	2 565	1 721	315	421	985
Other engineers	833	1 078	654	145	746	176	69	84	86	239	8 513	1 726	4 855	1 932
Lawyers and judges	648	48	57	—	518	18	20	—	—	480	129	23	64	42
Librarians, archivists, and curators	390	456	509	40	201	102	37	—	—	480	4 002	303	3 488	211
Mathematical specialists	492	2 751	3 046	426	1 207	166	162	—	82	659	503	166	40	297
Life and physical scientists	82	1 710	2 062	325	683	101	67	—	63	361	286	85	15	186
Chemists	675	936	1 308	110	998	521	99	83	61	234	5 293	2 070	2 519	704
Operations and systems researchers and analysts	5 384	3 641	6 618	1 285	15 259	5 159	3 073	729	1 628	3 127	12 976	4 868	6 602	1 508
Personnel and labor relations workers	103	102	364	39	88 368	537	594	64	—	86 963	362	—	279	83
Physicians, dentists, and related practitioners	—	36	278	—	85 113	511	572	44	—	83 986	322	—	279	43
Dentists	—	66	29	—	1 086	26	22	—	—	1 064	40	—	—	40
Pharmacists	15	—	57	39	1 591	—	—	20	—	1 545	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other related practitioners	48	407	64	20	374	62	—	—	126	186	108	—	—	108
Registered nurses, dietitians, and therapists	—	—	230	—	413	—	—	—	—	376	114	—	—	24
Health technologists and technicians	—	—	39	—	125	—	—	—	—	106	56	—	—	18
Religious workers	1 445	766	3 522	288	1 504	319	185	50	89	450	6 788	3 089	1 545	2 154
Social scientists	35	84	19	—	76	16	18	—	—	20	454	173	41	240
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	527	295	908	—	4 058	291	324	—	90	3 133	301	64	175	62
Teachers, except college and university	19 111	20 612	11 432	62	5 562	1 044	220	184	164	3 213	3 188	423	578	2 187
Engineers and science technicians	1 855	8 264	4 482	77	3 173	524	352	143	125	1 870	1 729	246	290	1 193
Draftsmen	15 653	4 105	3 066	40	1 169	374	122	23	—	650	1 345	121	77	147
Electrical and electronic engineering technicians	62	124	3 398	62	1 442	44	22	—	19	57	99	20	20	59
Industrial and mechanical engineering technicians	1 541	8 119	3 486	820	1 078	102	139	18	20	636	1 015	36	191	788
Other engineering and science technicians	6 218	2 655	2 313	158	1 430	304	493	—	61	555	1 102	60	550	492
Technicians, exc. health, and eng. and science	140	243	408	102	419	64	214	—	18	123	1 352	61	61	291
Airplane pilots	—	—	—	—	—	—	—	—	—	—	330	—	—	—
Embalmers	4 346	993	143	—	276	16	73	—	43	144	101	—	—	76
Radio operators and air traffic controllers	1 732	5 045	1 762	56	735	224	206	—	—	288	319	60	134	125
Other technicians, exc. health, and eng. and science	36 686	5 045	8 253	1 020	24 323	3 684	775	885	10 622	7 559	7 593	2 385	2 944	2 064
Writers, artists, and entertainers	521	1 816	7 087	648	12 488	489	1 153	43	46	10 007	8 380	1 597	547	6 136
Other professional, technical, and kindred workers	64 393	48 180	444 177	93 612	1 440 004	166 784	318 415	75 255	206 975	411 998	489 117	254 575	101 835	132 707
Managers and administrators, except farm	5 702	5 664	131 667	38 252	244 922	68 592	29 945	20 789	4 845	70 264	28 357	3 144	18 299	6 914
Buyers, purchasing agents, and sales managers	58 691	42 516	312 510	55 360	1 195 082	98 192	288 470	54 466	202 130	341 734	460 760	251 431	83 536	125 793
Other managers and administrators	57 963	41 121	256 975	43 524	750 802	82 121	124 888	167 845	117 620	218 345	426 870	250 512	78 122	98 236
Salaries	728	1 395	55 535	11 836	444 280	16 071	85 202	14 483	84 510	123 389	33 890	5 414	27 557	27 557
Self-employed	15 299	12 469	605 856	100 659	1 295 599	190 751	269 039	127 340	16 717	569 225	698 738	8 404	394 530	295 804
Sales workers	—	—	177	—	4 744	3 657	—	—	—	1 087	—	—	—	—
Newsboys	8 266	817	22 298	1 126	96 159	27 634	934	136	59	66 870	695 354	5 808	394 530	295 016
Other specified sales workers	6 033	11 652	583 381	99 533	1 194 696	159 460	121 603	127 204	16 658	501 268	3 384	—	—	—
Salesmen and sales clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Transport., comm., and other public utilities—Con.	Utilities and sanitary services	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance
40 905	95 595	223 044	37 651	69 698	137 221	36 412	13 534	22 284	124 640	148 430	120 855	82 206
1 815	8 407	27 331	7 167	4 057	5 482	12 131	2 575	4 363	18 432	15 572	4 807	9 707
202	7 743	1 909	1 022	5 696	69 321	1 255	2 321	11 327	8 131	355	452	1 514
2 612	7 678	5 555	290	2 740	9 707	2 224	234	473	3 210	13 454	4 675	5 616
2 417	2 973	7 228	1 479	6 699	7 795	1 781	272	403	6 203	15 143	9 336	3 186
509	1 729	6 784	1 068	2 559	1 061	1 311	3 983	480	5 561	5 374	5 401	4 795
3 330	6 446	60 926	9 498	44 635	7 110	2 272	2 763	1 559	14 574	1 244	1 605	1 831
28 396	66 840	81 377	12 705	14 728	17 093	11 583	2 266	3 202	18 508	96 969	93 943	54 771
285 548	361 548	283 407	48 437	75 111	64 619	386 761	21 628	10 266	353 308	8 657	10 279	42 129
5 262	58 896	21 283	2 418	5 443	2 399	5 177	501	1 606	46 793	1 291	1 624	20 854
21	404	432	122	42	19	2 165	357	39	46 993	516	26	323
541	2 749	5 312	527	2 791	1 350	3 733	123	817	15 642	338	470	8 005
1 838	27 472	4 519	537	1 134	453	2 45	2 310	127	4 248	—	626	1 567
339	10 153	3 102	382	40	82	1 746	21	—	2 488	346	384	7 279
2 329	1 718	3 095	518	658	383	1 409	—	467	4 448	8 009	46	1 826
179	15 303	4 140	273	373	66	106	—	90	9 908	20	53	592
2 329	1 077	4 140	39	405	46	106	—	66	9 244	2 608	2 496	4 394
20 155	58 402	78 527	23 653	15 837	15 325	13 908	2 403	1 745	25 784	1 538	969	5 886
8 603	76 629	109 537	10 098	8 043	7 168	357 033	1 207	2 670	130 213	1 538	68	236
1 656	8 752	24 944	3 503	8 043	3 448	343 622	559	316	8 038	96	—	—
442	6 893	14 533	1 211	687	355	2 474	143	112	6 569	196	39	639
309	3 438	9 339	698	425	246	2 269	58	21	3 327	123	19	352
76	2 745	7 62	67	91	35	84	38	43	434	54	20	152
57	710	4 432	446	171	74	121	47	48	3 808	19	—	135
621	758	2 916	435	2 467	408	70	104	65	1 099	1 378	1 727	372
1 184	56 838	4 524	891	807	495	582	20	62	9 57	1 023	512	4 345
249 196	103 132	52 087	9 731	15 793	38 469	7 523	17 250	4 006	141 893	605	2 912	5 639
3 473	47 098	145 575	57 643	11 008	188 049	401 167	5 333	6 519	81 820	1 456	1 424	4 878
194	412	5 915	560	176	135	401 915	13	86	2 876	88	12	126
—	14	1 508	39	130	35	—	—	—	1 782	—	—	—
22	168	734	389	122	18	3 550	—	20	528	—	20	134
129	249	3 290	187	172	7 271	7 271	21	111	1 070	—	45	92
20	21	615	26	173	266	40	—	—	133	—	22	20
81	148	821	124	23	58	108	21	44	168	—	23	26
28	59	1 429	37	88	—	60	85	67	552	—	—	23
39	126	868	—	88	—	52	—	—	212	—	—	23
37	—	56	—	—	25	47	—	18	76	—	65	22
106	9 147	1 341	275	165	106	166	42	21	702	98	146	1 235
159	8 778	13 486	389	5 236	82	1 056	110	19	3 709	20	20	267
786	5 903	83 416	39 372	8 110	175 805	376 737	4 376	4 405	54 485	379	287	1 511
605	3 971	20 015	6 497	707	2 829	4 680	236	1 277	6 414	281	337	317
209	11 109	11 109	2 920	292	1 109	532	149	95	1 792	216	279	195
1 142	12 590	18 183	5 427	682	5 948	4 269	185	321	4 505	304	165	689
245	1 670	5 654	1 577	192	1 937	1 733	116	146	3 639	70	68	267
3 412	49 943	324 114	129 840	31 825	55 810	32 441	2 251	14 490	191 534	2 572	945	4 746
1 333	2 003	153 529	75 066	22 904	33 798	12 939	1 320	9 997	98 541	447	270	856
99	493	17 950	7 860	1 864	4 202	311	24	211	3 757	16	68	118
1 152	45 296	135 408	45 779	6 338	16 758	15 198	798	8 848	70 200	385	321	1 797
828	2 151	17 027	1 135	719	1 052	3 993	109	1 434	19 036	1 724	286	1 975



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate									
	Com-muni-cations	Utilities and sanitary services	Total		Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total			Other finance and real estate				
			Com-muni-cations	Utilities and sanitary services								Food and farm products	General merchandise stores	Food stores		Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>																			
<b>Male, employed—Continued</b>																			
<b>Laborers, except farm</b>	4 500	128 306	180 581	59 198	539 058	49 733	316 338	34 167	7 964	5 808	195 048	41 205	1 500	863	38 842				
Construction laborers	791	18 724	2 146	160	6 771	286	181	713	7 491	113	5 478	1 739	23	83	1 453				
Freight, stock, and material handlers	1 691	66 880	119 407	43 168	423 367	46 751	306 300	4 770	7 491	2 373	55 682	2 166	647	313	1 206				
Vehicle washers and equipment cleaners	625	890	2 446	1 060	23 427	35	730	21 986	19	112	545	67	24	20	23				
Other specified laborers	247	4 116	19 248	3 450	45 669	897	3 936	1 209	64	549	39 014	27 323	384	245	26 694				
Miscellaneous laborers	372	23 438	11 544	2 131	6 538	127	774	375	17	144	5 101	4 448	39	36	4 373				
Not specified laborers	774	14 258	25 790	9 229	33 286	1 637	4 417	5 114	373	2 517	19 228	5 442	383	166	4 893				
<b>Farm workers</b>																			
<b>Service workers, including private household</b>	7 452	26 081	34 627	12 145	831 032	39 729	27 162	12 172	7 429	639 871	104 669	133 250	28 049	8 219	96 982				
Cleaning service workers	6 064	20 967	20 756	7 535	106 922	21 743	14 499	10 272	6 086	31 648	22 674	85 871	16 221	5 908	63 742				
Food service workers	204	165	2 425	1 874	624 138	7 814	9 561	337	185	599 848	6 393	2 132	696	583	19				
Health service workers	46	91	123	52	452	42	42	22	22	143	175	116	41	56	19				
Personal service workers	207	360	1 500	669	11 750	2 292	296	265	440	7 166	1 291	13 794	597	384	12 813				
Guards and watchmen	680	3 289	4 624	1 493	13 609	6 860	1 785	604	656	940	2 764	18 170	10 041	1 267	6 862				
Other service workers, including private household	251	1 209	5 199	522	74 161	950	979	672	62	126	71 372	13 167	453	21	12 693				
<b>Female, employed</b>	523 546	128 550	725 712	151 333	5 629 177	1 435 616	741 417	188 707	469 502	1 382 096	1 411 839	1 922 371	802 103	642 882	477 386				
<b>Professional, technical, and kindred workers</b>	26 064	8 459	19 829	2 925	76 304	25 410	3 930	3 761	4 175	8 020	31 008	55 627	21 524	23 084	11 019				
Accountants	3 610	1 953	7 100	1 268	16 182	6 050	1 471	2 648	1 290	3 758	3 587	22 913	10 249	9 077	3 473				
Computer specialists	1 901	744	2 104	151	1 508	691	210	125	52	20	146	7 517	3 042	4 002	473				
Engineers	1 948	445	411	—	330	79	39	21	21	24	142	339	82	180	77				
Librarians, archivists, and curators	298	40	138	—	53	53	—	—	—	—	117	395	200	251	144				
Life and physical scientists	51	107	359	123	276	53	17	—	—	18	188	105	19	39	47				
Physicians, dentists, and related practitioners	29	24	—	—	9 511	111	99	—	—	—	9 301	92	—	92	—				
Registered nurses, dietitians, and therapists	399	352	418	37	2 478	925	394	236	23	609	291	1 605	353	946	306				
Health technologists and technicians	32	23	48	—	426	40	48	—	—	15	323	334	—	215	119				
Social scientists	250	513	389	72	580	86	15	—	—	17	319	1 086	780	156	150				
Social and recreation workers	118	74	37	—	41	22	—	—	—	19	—	423	84	58	281				
Teachers, except college and university	450	92	269	—	5 648	2 216	79	19	108	64	3 162	339	193	59	87				
Engineering and science technicians	3 932	1 425	1 396	511	833	199	73	60	—	—	110	725	38	407	280				
Technicians, exc. health, and engineering and science	341	215	289	63	261	40	40	90	—	21	21	490	24	302	164				
Writers, artists, and entertainers	6 359	470	3 148	133	20 978	6 776	385	187	1 668	5 233	6 729	4 338	1 816	1 451	1 071				
Other professional, technical, and kindred workers	6 346	1 982	3 743	577	17 082	8 069	1 100	375	870	1 015	5 653	14 726	4 644	5 849	4 233				
<b>Managers and administrators, except farm</b>	12 659	2 112	34 105	5 654	390 283	91 358	56 213	14 856	49 367	80 413	98 076	126 397	54 743	20 049	51 605				
Buyers, purchasing agents, and sales managers	345	171	7 184	1 112	98 295	51 916	6 233	675	18 553	1 343	19 575	1 620	451	398	1 451				
Other managers and administrators	12 314	1 941	26 921	4 542	291 988	39 404	49 980	14 181	30 814	79 070	78 501	124 777	54 292	19 651	50 834				
Salaried	12 205	1 881	22 019	3 746	158 023	31 367	18 252	9 340	21 139	36 600	41 325	114 439	54 115	18 993	41 331				
Self-employed	109	60	4 902	796	133 965	8 075	31 728	4 841	9 675	42 470	37 176	10 338	177	658	9 503				
<b>Sales workers</b>	6 684	1 716	41 742	6 316	1 780 296	775 725	166 431	10 264	273 083	17 933	536 860	159 887	2 703	54 380	102 804				
<b>Clerical and kindred workers</b>	458 979	104 520	481 284	75 350	1 587 557	414 053	361 270	136 930	88 619	104 508	482 177	1 506 790	702 739	534 955	269 096				
Billing clerks	3 421	3 644	12 668	1 576	13 915	6 825	799	1 658	826	157	3 650	3 820	1 156	2 396	268				
Bookkeepers	18 240	15 187	114 870	24 719	332 366	55 235	33 239	66 266	24 455	17 767	135 404	187 872	114 313	41 613	31 946				
Cashiers	4 583	6 085	5 450	2 272	548 452	107 064	277 405	7 094	22 974	68 886	65 029	10 048	10 066	5 067	3 915				
Counter clerks, except food	6 783	4 455	9 103	1 424	22 564	14 980	1 671	385	1 120	3 979	3 029	1 557	465	345	747				
File clerks	9 856	3 459	13 412	1 181	27 897	14 263	1 163	2 880	1 901	1 369	7 321	68 585	21 234	42 423	4 928				
Office machine operators	11 540	6 579	27 999	6 122	35 618	16 001	6 417	2 755	2 975	1 098	6 672	86 697	55 173	26 619	4 905				
Bookkeeping and billing machine operators	11 642	832	4 596	302	6 072	2 558	1 177	868	742	89	1 698	26 398	24 455	1 341	4 602				
Keyclock operators	6 873	4 284	15 371	3 412	15 038	6 994	2 003	1 269	1 177	397	3 198	43 404	20 219	19 718	3 467				

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>															
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>															
<b>Female, employed—Continued</b>															
<b>Clerical and kindred workers—Continued</b>															
Payroll and timekeeping clerks	3 425	1 676	3 228	1 060	10 929	5 517	1 497	677	672	749	1 817	5 356	2 147	2 335	874
Receptionists	2 740	1 346	9 485	1 071	15 000	2 177	675	2 275	612	690	7 571	20 744	7 878	5 605	7 261
Secretaries	31 132	25 073	138 723	18 721	155 268	29 457	11 720	27 004	7 541	7 085	72 461	377 133	117 791	166 293	93 049
Statistical clerks	15 909	2 321	5 192	1 039	10 663	6 285	460	797	751	152	2 218	35 773	5 851	27 184	2 738
Stenographers	2 681	3 668	3 957	452	2 335	558	117	422	151	85	1 002	12 607	4 469	6 349	1 789
Telephone operators	232 471	2 004	7 549	1 225	19 709	10 810	749	3 231	1 162	652	3 105	15 019	6 390	4 550	4 079
Typists	26 095	11 270	37 538	3 697	52 519	20 077	2 562	6 793	2 837	1 013	19 237	163 427	51 856	90 264	21 307
Other clerical and kindred workers	89 403	21 753	92 510	10 771	340 322	123 804	23 096	14 693	20 642	4 426	153 661	509 152	303 930	113 912	91 290
<b>Craftsmen and kindred workers</b>															
Foremen, n.e.c.	11 200	4 518	16 044	3 775	96 068	18 070	13 014	4 862	8 878	4 670	46 574	6 370	2 255	2 465	1 650
Mechanics and repairmen	3 373	5 265	1 817	541	16 260	8 735	1 515	325	1 743	888	3 054	3 618	1 575	1 479	564
Printing craftsmen	278	740	1 867	212	6 506	802	113	3 891	39	79	1 621	259	62	80	117
	231	79	817	85	1 196	597	56	43		24	437	877	366	488	23
<b>Operatives, except transport</b>															
Assemblers	1 985	1 591	96 606	48 421	194 390	31 032	71 057	12 239	36 344	5 016	38 702	4 615	1 961	1 188	1 466
Bottling and canning operatives	436	207	6 262	373	2 119	190	54	192	88	38	1 557	234	75	39	120
Checkers, examiners, inspectors, manufacturing			374	224			23				79	19			19
Graders and sorters, manufacturing															
Packers and wrappers, except produce	59	74	27 043	16 434	73 625	11 582	54 136	364	1 591	1 932	4 020	158	36	19	103
Produce graders and packers, exc. factory and farm			17 477	16 911	912	22	691			23	32	22			22
Mixing operatives			95	21	32										
Sawyers and stitchers	52	45	1 692	121	6 899	1 218	124	36	3 850	127	1 544	1 236	349	198	689
Other specified operatives	635	544	22 066	4 052	89 592	14 662	8 275	11 166	28 991	952	25 546	1 184	518	534	132
Machine operatives, miscellaneous specified	130	123	6 828	2 714	6 015	867	1 807	196	456	1 159	1 530	1 101	765	252	84
Machine operatives, not specified	227	184	3 467	1 162	2 174	494	407	102	277	53	841	1 409	193	88	128
Miscellaneous operatives	377	310	9 134	5 477	9 114	1 527	4 053	88	711	530	2 205	234	409	88	169
Not specified operatives	69	104	2 168	932	3 789	453	1 487	95	360	202	1 172	234	25	40	169
<b>Transport equipment operatives</b>															
Deliverymen and routemen	248	474	5 455	1 859	10 732	2 835	1 121	993	112	1 446	4 295	436	140	76	220
	227	13	2 859	1 123	7 545	2 668	794	383	78	914	2 708	163		48	115
<b>Laborers, except farm</b>															
<b>Farm workers</b>															
<b>Service workers, except private household<sup>1</sup></b>															
Cleaning service workers	5 981	3 381	11 797	3 527	1 418 848	64 620	28 426	3 287	5 692	1 158 443	158 380	59 636	15 415	6 491	37 730
Cleaners and charwomen	3 202	2 241	4 399	838	34 694	5 681	2 045	1 982	2 068	13 765	9 153	40 168	11 452	4 277	24 439
Food service workers	1 516	927	2 311	381	18 151	3 169	1 051	1 195	1 711	5 621	5 404	22 833	6 056	2 600	14 177
Waiters and food counter workers	1 617	662	3 459	2 339	1 235 055	45 245	24 194	598	848	1 136 090	28 080	5 722	2 194	1 504	2 024
Health service workers	562	889	852 178	553	852 178	30 812	15 375	294	442	782 782	22 473	2 663	719	814	1 130
Personal service workers	21	46	1 233	49	111	49	111	296	13	345	419	792	160	186	446
Protective service workers	980	261	1 272	94	24 433	9 191	485	228	2 213	7 977	4 339	5 271	1 280	524	3 467
	92	45	28		5 322	4 020	172	55	472	266	337	429	242		187
<b>Private household workers</b>															

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit membership organizations		Other professional and related services
							Hospitals	Health services, except hospitals	Government			
Male, employed	Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration				
781 541	515 494	438 269	276 580	725 203	407 690	611 493	446 816	1 698 336	613 621	572 322	1 004 767	2 918 817
215 082	5 652	17 361	13 476	38 966	102 358	201 698	335 167	1 050 573	338 565	325 314	771 873	551 122
17 212	1 255	678	5 493	699	1 876	5 004	1 435	5 538	2 807	3 979	135 658	65 222
374	23	23	40	42	38	38 608	83	851	279	181	37 171	3 424
27 818	211	406	72 313	313	1 647	24 829	667	7 244	3 540	873	10 858	23 576
36 576	276	2 871	448	498	1 220	121 629	3 231	6 421	4 295	3 080	101 767	105 391
822	18	18	—	—	—	1 486	23	43	78	19	1 323	5 428
1 287	38	38	—	42	15	3 040	107	192	140	21	2 529	1 380
1 398	66	142	37	42	85	34 949	1 272	1 068	140	556	31 241	27 785
9 083	66	859	152	98	567	20 249	69	2 012	1 533	215	15 990	21 617
9 130	65	272	55	98	62	6 681	267	2 012	1 533	622	4 525	17 794
6 634	20	563	127	168	221	16 048	244	924	628	355	13 434	11 037
11 222	59	959	77	148	270	39 176	1 249	1 763	1 266	1 292	32 725	20 350
594	128	—	90	—	276	197 467	1 003	556	418	2 006	193 358	41 282
250	—	26	—	86	117	22 985	62	13 035	8 388	355	1 102	1 452
1 248	—	27	19	92	19	4 083	235	816	341	364	2 193	6 109
9 265	26	149	21	162	200	36 962	3 571	9 911	4 430	410	15 009	27 483
5 130	26	109	21	23	41	12 293	1 065	3 231	1 373	74	4 925	6 548
2 444	55	109	722	830	41	3 052	1 229	7 768	238	349	1 335	10 384
19 651	539	589	—	96	780	381 441	1 437	5 013	1 952	2 391	2 051	36 528
252	—	39	—	96	563	88 579	85 716	220	281	44	370	4 984
21	—	19	—	21	120	10 554	610	181	146	82	18	475
147	—	20	—	75	361	248 393	167 502	2 827	3 238	923	716	2 710
84	—	—	—	—	82	33 915	32 620	319	202	69	190	1 300
186	—	19	41	569	41	46 916	8 567	3 697	522	1 084	1 263	3 154
496	—	—	12	68	—	71 589	14 343	4 389	2 963	1 889	1 287	1 885
60	—	20	98	343	24	229 524	1 253	1 54	2 857	222 129	792	16 990
10 100	61	185	37	162	118	21 170	4 828	5 714	1 973	1 600	4 602	24 570
561	22	18	2 148	140	7 835	74 204	3 049	6 913	1 959	56 935	850	—
—	—	—	—	—	—	352 429	—	234 458	117 971	—	—	—
608	2 283	110	154	441	2 385	793 365	798	641 710	137 469	2 073	450	6 743
32 795	194	2 214	210	792	1 815	114 072	2 044	15 636	8 906	1 715	84 386	62 615
10 733	97	548	84	543	94	56 760	88	1 942	1 781	1 729	52 875	14 898
6 476	78	1 376	38	32	1 248	9 521	249	3 154	1 781	82	3 771	21 866
716	—	26	—	20	78	814	48	3 138	18	—	—	—
14 870	19	264	88	197	395	46 977	1 331	10 402	6 162	904	27 157	24 478
1 898	129	937	23	4 210	452	7 827	97	2 327	2 232	259	2 330	45 592
155	22	—	—	73	14	1 370	62	80	1 120	—	108	2 008
—	—	52	—	4 035	—	250	162	35	30	—	—	29
245	21	35	—	—	—	541	—	351	14	134	42	34 431
1 498	86	850	23	102	438	5 666	44	1 861	1 098	125	2 180	9 124
43 139	295	720	3 629	25 989	72 716	95 740	1 396	11 453	9 604	19 073	52 472	21 283
9 605	176	8 221	219	3 434	11 710	224 373	3 113	70 422	21 552	3 451	122 725	41 732
110 565	48 876	28 240	59 223	96 466	62 207	388 870	37 996	158 741	53 907	73 686	42 173	366 056
9 342	1 596	1 250	1 546	1 999	1 428	12 269	3 438	2 559	1 985	1 386	2 344	16 853
101 223	47 280	26 990	57 677	94 467	60 779	376 601	21 810	156 182	41 922	72 300	39 829	349 203
82 135	28 534	16 541	35 019	56 919	45 860	366 266	34 131	156 182	48 958	71 949	35 833	349 203
19 088	18 746	10 449	22 658	37 548	14 919	10 335	427	—	2 964	351	3 996	—
52 652	6 878	7 874	1 663	10 392	7 888	22 154	743	1 004	5 766	6 022	6 977	5 293
26 659	78	2 977	22	766	1 067	3 428	352	712	267	375	1 502	2 005
25 993	6 800	4 897	1 641	9 626	6 821	18 726	391	930	5 499	5 647	5 475	3 288

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration		
	Educational and kindred services				Health services, except hospitals		Welfare, religious, and nonprofit membership organizations		Other professional and related services				
	Government	Private	Hospitals	Total	Other personal services, including private household	Enter-tainment and recreation services	Hotels and lodging places	Other repair services	Auto-mobile services	Business services			
Bookkeepers	74 570	14 867	15 493	30 054	18 921	22 902	34 583	10 012	76 123	43 643	31 754	55 725	738 997
Cashiers	4 854	3 107	1 431	4 497	3 969	2 227	2 577	1 305	3 449	1 830	3 854	9 363	19 873
Estimators and investigators, n.e.c.	8 747	1 957	1 181	3 399	3 585	7 825	7 776	2 476	1 243	1 243	1 883	60	2 100
Office machine operators	10 988	3 342	1 055	2 300	3 700	2 999	4 229	3 200	4 864	3 287	1 441	1 898	20 864
Secretaries, stenographers, and typists	5 675	3 49	3 335	3 74	2 62	3 42	2 312	1 315	4 864	3 287	1 416	5 599	13 858
Shipping and receiving clerks	2 166	3 39	795	264	860	867	2 771	1 315	4 791	3 790	8 395	3 434	19 759
Stock clerks and storekeepers	4 267	1 266	858	623	664	774	1 399	1 041	5 895	1 960	1 353	724	4 736
Other clerical and kindred workers	37 454	6 282	10 479	22 267	12 433	9 864	17 070	5 316	54 120	29 962	14 478	33 327	26 788
<b>Craftsmen and kindred workers</b>	<b>91 429</b>	<b>331 388</b>	<b>262 614</b>	<b>17 736</b>	<b>53 963</b>	<b>39 774</b>	<b>52 899</b>	<b>33 035</b>	<b>72 857</b>	<b>29 497</b>	<b>20 709</b>	<b>32 950</b>	<b>281 908</b>
Construction craftsmen	13 503	3 201	7 415	7 707	7 829	6 074	22 642	3 096	30 710	12 975	11 318	3 279	64 493
Brickmasons and stonemasons	46	35	61	71	3 480	25	392	83	587	208	618	57	1 039
Carpenters	2 591	244	1 167	2 495	3 101	2 298	5 301	1 032	9 642	4 646	3 829	539	13 485
Electricians	2 850	300	3 799	1 207	3 325	1 691	5 176	417	6 231	2 815	2 376	1 059	19 939
Excavating, grading and road machine operators	1 487	80	467	219	211	671	366	103	582	1 142	218	397	8 124
Painters (Const. & maint.), plasterers, & paperhangers	3 129	2 407	1 028	3 033	3 203	1 129	6 253	492	7 701	3 114	1 816	510	11 748
Plumbers and pipefitters	2 951	76	729	114	274	59	504	67	892	1 893	1 661	538	9 348
Other construction craftsmen	449	59	164	158	6 575	2 850	4 333	1 563	6 858	2 374	2 160	3 869	35 297
Foremen, n.e.c.	12 035	6 892	4 878	1 568	6 940	2 809	9 359	1 624	17 178	6 227	1 986	4 773	21 298
Mechanics and repairmen	30 578	311 682	168 877	2 981	6 940	11 809	9 359	310	6 139	1 542	1 405	1 173	127 929
Automobile, including body	2 490	307 873	5 790	109	1 134	1 399	7 56	310	6 139	1 542	1 405	1 173	21 298
Metal craftsmen, except mechanics	4 307	1 353	10 495	309	497	714	1 457	172	2 890	1 484	984	2 778	17 772
Machinists, job setters, and toolmakers	2 891	1 121	3 761	51	358	472	544	96	1 573	1 006	60	2 012	8 382
Blacksmiths, forgemen, hammermen, boiler-makers	1 112	100	5 832	173	95	89	529	76	422	213	459	109	1 019
Other metal craftsmen	3 004	132	902	85	44	153	384	—	895	265	465	657	8 371
Printing craftsmen	2 906	21	116	118	210	—	10 373	181	2 853	1 514	1 085	955	5 334
Stationary engineers and power station operators	1 577	83	398	3 094	1 215	553	873	227	5 786	2 119	960	1 113	8 739
Other craftsmen and kindred workers	26 523	8 156	70 435	1 959	30 697	17 548	3 862	25 672	6 582	2 804	2 216	16 279	28 975
<b>Operatives, except transport</b>	<b>45 728</b>	<b>43 276</b>	<b>58 824</b>	<b>3 691</b>	<b>83 611</b>	<b>6 876</b>	<b>19 625</b>	<b>4 318</b>	<b>16 069</b>	<b>6 684</b>	<b>6 114</b>	<b>16 111</b>	<b>56 593</b>
Assemblers	886	444	923	—	178	98	—	252	156	222	238	482	1 686
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Filters, polishers, sanders, and buffers	152	367	1 383	60	108	60	—	49	36	111	54	53	279
Painters, manufactured articles	152	209	43	22	43	17	23	24	16	83	64	77	393
Precision machine operatives	490	322	3 579	18	39	34	27	—	231	—	87	655	990
Drill press operatives	63	—	61	—	—	—	—	—	—	—	49	115	251
Grinding machine operatives	97	147	2 939	—	18	—	—	—	41	43	—	88	87
Lathe and milling machine operatives	132	99	4 472	18	21	34	27	24	124	40	38	155	196
Precision machine operatives, n.e.c.	198	76	1 107	—	—	—	—	—	66	28	280	42	81
Punch and stamping press operatives	302	96	144	—	64	38	23	—	—	—	—	—	—
Solders	97	16	19	—	—	22	—	—	44	—	19	—	128
Stationary firemen	569	—	125	346	475	120	6 302	709	5 555	1 321	516	215	8 315
Welders and flame-cutters	1 693	84	298	84	298	194	268	92	976	253	989	1 188	5 651
Other specified operatives	14 376	14 640	80 077	2 303	80 077	4 766	11 499	1 993	3 336	1 680	2 056	10 677	20 416
Machine operatives, miscellaneous specified	3 226	6 601	1 169	3 161	674	431	226	156	879	511	393	996	4 562
Machine operatives, not specified	1 476	362	409	158	409	235	235	55	538	361	219	444	3 676
Miscellaneous operatives	21 455	3 607	548	471	548	597	822	737	3 933	1 801	1 068	632	8 429
Not specified operatives	854	345	727	107	698	243	180	251	369	313	131	650	1 987
<b>Transport equipment operatives</b>	<b>18 697</b>	<b>30 877</b>	<b>9 991</b>	<b>3 080</b>	<b>56 923</b>	<b>4 937</b>	<b>7 529</b>	<b>3 784</b>	<b>12 727</b>	<b>3 826</b>	<b>5 603</b>	<b>5 332</b>	<b>56 785</b>
Deliverymen and roulemen	7 580	1 645	2 203	259	37 215	562	1 247	1 313	2 888	502	771	775	2 521
Fork lift and tow motor operatives	474	323	156	81	228	95	73	22	85	20	137	103	5 972
Truck drivers	7 947	9 266	2 618	494	6 797	1 488	2 183	1 102	3 744	1 270	3 460	1 230	37 282
Other transport equipment operatives	2 696	19 643	5 014	2 246	12 683	2 792	4 026	1 347	6 010	2 028	1 235	3 224	11 060

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

	Professional and related services										Public administration		
	Educational and kindred services				Health services, except hospitals	Welfare, religious, and nonprofit organizations		Other professional and related services					
	Government	Private	Hospitals	Total		Government	Private						
<b>United States</b>													
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>													
<b>Male, employed—Continued</b>													
<b>Laborers, except farm</b>													
Construction laborers	19 227	29 792	15 631	9 204	74 381	41 951	11 362	4 584	26 782	14 273	12 314	7 796	116 878
Freight, stock, and material handlers	845	444	797	705	929	357	847	182	1 596	959	1 233	302	5 172
Vehicle washers and equipment cleaners	5 688	483	923	435	2 660	3 136	2 418	288	2 972	1 637	2 933	587	49 166
Other specified laborers	945	26 599	840	130	901	80	436	245	408	337	92	110	1 398
Miscellaneous laborers	2 126	339	6 933	5 241	52 822	33 264	6 124	2 607	18 181	9 037	4 487	5 563	44 727
Not specified laborers	2 469	198	4 110	323	1 792	1 205	1 120	93	467	246	365	140	3 233
	7 154	1 729	2 008	2 370	15 277	3 909	1 417	1 169	3 158	2 057	3 204	1 094	13 182
<b>Farm workers</b>													
<b>Service workers, including private household</b>													
Cleaning service workers	153 591	3 888	22 241	138 453	291 580	118 797	245 058	52 545	282 822	117 460	90 806	65 830	745 185
Food service workers	83 759	3 079	2 897	37 988	14 136	26 044	72 651	19 681	233 531	76 802	60 569	6 374	76 596
Health service workers	829	151	286	67 579	28 613	28 613	37 645	8 129	21 900	24 334	16 495	200	8 593
Personal service workers	1 818	108	877	29 382	383	131	114 398	20 064	1 005	7 859	10 123	717	10 081
Guards and watchmen	58 742	416	560	3 041	211 278	47 984	7 724	2 107	9 877	6 714	2 028	855	69 284
Other service workers, including private household	8 302	134	17 621	330	64 447	11 583	10 799	2 107	4 238	1 403	1 109	57 267	578 650
<b>Female, employed</b>													
<b>Professional, technical, and kindred workers</b>													
Accountants	74 778	1 062	6 189	7 410	31 084	46 727	785 305	281 379	1 742 486	554 213	174 648	281 355	145 883
Computer specialists	13 869	389	432	2 201	577	925	3 787	1 338	2 403	1 363	309	2 398	30 940
Engineers	6 294	67	193	—	51	74	906	102	68 245	20 554	84	1 573	3 117
Librarians, archivists, and curators	753	—	—	—	19	15	102	261	2 264	1 635	2 019	1 324	3 309
Life and physical scientists	707	—	—	—	21	177	547	2 312	902	744	280	103	552
Physicians, dentists, and related practitioners	63	—	—	21	71	39	15 732	4 828	37 799	10 148	7 210	2 342	8 502
Registered nurses, dietitians, and therapists	3 461	—	100	822	13 690	312	598 011	196 408	6 154	3 614	7 900	915	1 112
Health technologists and technicians	277	—	20	—	353	105	122 363	45 205	3 850	1 045	963	1 355	2 847
Social scientists	1 304	—	23	18	216	44	2 460	1 396	11 389	2 968	96 925	1 084	17 714
Social and recreation workers	323	—	—	1 270	339	5 006	12 543	6 820	1 453 131	432 055	7 712	1 141	3 438
Teachers, except college and university	557	441	—	415	2 087	12 121	10 118	1 792	5 833	4 020	318	5 749	6 218
Engineering and science technicians	5 243	42	73	21	221	119	1 969	1 637	1 108	567	463	308	8 261
Technicians, exc. health, and engineering and science	434	—	119	244	244	156	148	1 312	7 179	6 776	24 799	23 129	8 577
Writers, artists, and entertainers	17 042	56	356	2 063	10 038	22 879	1 906	1 312	137 357	66 932	29 550	21 597	41 144
Other professional, technical, and kindred workers	23 554	67	4 873	515	3 457	4 740	9 885	6 474	62 664	38 737	27 119	15 087	82 399
<b>Managers and administrators, except farm</b>													
Buyers, purchasing agents, and sales managers	23 535	2 885	3 756	35 935	30 363	13 744	27 848	23 565	61 338	38 132	26 525	14 810	4 818
Other managers and administrators	21 853	67	59	459	29 805	275	2 185	225	61 338	38 132	26 525	14 810	77 511
Salaried	17 605	2 818	3 697	35 476	18 159	13 469	25 663	18 792	61 338	34 269	26 160	13 627	77 511
Self-employed	4 248	1 025	1 428	16 447	11 646	3 109	394	4 618	—	3 863	365	1 183	—
<b>Sales workers</b>													
<b>Clerical and kindred workers</b>													
Billing clerks	19 558	722	4 594	1 930	16 719	11 685	3 297	1 395	2 728	4 171	5 447	5 010	3 686
Bookkeepers	329 147	37 884	61 578	72 009	160 735	69 735	370 259	269 419	616 839	243 986	270 916	467 977	942 028
Cashiers	2 401	317	525	284	740	248	5 640	1 239	24 171	12 045	334	604	1 687
Counter clerks, except food	29 157	14 165	9 187	10 796	18 217	9 786	23 947	31 171	19 398	7 875	23 486	48 745	51 336
File clerks	1 312	3 041	484	9 968	10 500	20 982	10 473	541	2 737	1 522	2 641	765	7 015
Office machine operators	2 800	3 134	232	17 601	52 640	6 890	1 673	97	12 535	6 012	6 855	5 463	40 385
Bookkeeping and billing machine operators	13 540	646	1 052	368	2 046	786	14 301	5 801	10 443	5 540	4 648	15 416	42 251
Keypunch operators	28 650	569	1 721	934	1 655	853	8 378	1 317	10 526	3 385	4 536	15 524	2 765
	1 191	81	140	310	427	167	2 082	1 003	6 139	3 436	2 680	12 106	29 911

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Professional and related services											
	Business services	Auto- mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit membership organizations	Other profes- sional and related services	Public adminis- tration
							Health services, except hospitals	Government	Private			
	Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, and nonprofit membership organizations	Other profes- sional and related services	Public adminis- tration				
<b>United States</b>												
<b>PERSONS 16 YEARS OLD AND OVER—Continued</b>												
<b>Female, employed—Continued</b>												
Clerical and kindred workers—Continued												
Payroll and timekeeping clerks	2 397	325	211	660	847	472	4 349	3 943	1 065	1 191	1 624	9 711
Receptionists	6 771	666	896	3 421	15 444	1 941	42 566	12 147	12 528	10 194	9 045	10 511
Secretaries	97 515	8 484	9 750	10 267	15 365	18 330	106 554	228 148	104 238	139 420	212 991	197 296
Statistical clerks	4 461	405	328	426	911	443	9 925	5 401	2 309	2 817	1 916	24 513
stenographers	5 195	35	229	254	241	245	3 700	6 759	6 974	5 636	5 074	34 334
Telephone operators	17 103	225	552	8 984	1 016	1 012	22 009	6 340	6 438	3 216	2 179	10 358
Typists	47 120	1 393	2 282	2 154	4 575	2 178	38 152	65 245	24 458	36 924	22 482	154 116
Other clerical and kindred workers	67 725	4 459	35 129	5 912	36 165	10 203	78 592	218 728	58 732	32 907	141 459	357 276
<b>Craftsmen and kindred workers</b>												
Foremen, n.e.c.	8 230	4 613	9 653	1 561	12 222	1 484	4 676	11 386	4 232	2 262	3 473	9 839
Mechanics and repairmen	2 294	135	158	630	2 771	365	2 133	1 141	855	846	720	1 084
Printing craftsmen	642	4 093	2 889	41	300	212	164	821	189	67	152	4 465
Operatives, except transport	1 098	27	60	21	125	18	301	1 180	535	405	128	636
Assemblers	23 240	2 041	8 681	7 853	238 806	2 930	37 408	8 201	5 406	6 543	10 543	10 598
Bottling and canning operatives	2 066	100	323	—	633	41	79	131	213	300	1 067	1 041
Checkers, examiners, inspectors, manufacturing	57	—	—	—	—	—	—	—	—	—	19	—
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	4 206	40	148	—	—	—	262	226	263	203	486	1 443
Produce graders and packers, exc. factory and farm	—	—	—	—	24	—	—	—	—	—	24	24
Mixing operatives	18	—	—	—	—	—	—	—	—	—	—	327
Sewers and stitchers	213	58	1 043	349	12 520	46	4 257	447	401	841	6 595	4 495
Other specified operatives	10 770	1 376	5 911	6 909	216 206	2 299	30 228	3 310	2 320	3 197	6 600	1 084
Machine operatives, miscellaneous specified	1 905	60	215	408	2 302	112	1 014	512	499	361	239	1 829
Machine operatives, not specified	1 874	56	114	—	497	82	1 179	169	87	149	749	1 081
Miscellaneous operatives	1 533	351	489	106	1 259	127	1 179	3 257	1 461	1 292	749	1 081
Not specified operatives	598	—	438	81	2 288	103	230	3 149	1 128	200	720	274
Transport equipment operatives	1 167	938	411	92	2 604	283	634	3 563	1 605	754	582	1 283
Deliverymen and routemen	841	111	79	21	1 555	101	307	79	21	110	28	167
Laborers, except farm	2 493	2 035	1 044	1 147	14 693	1 792	6 426	1 734	1 632	1 781	1 695	8 157
<b>Farm workers</b>												
Service workers, except private household	49 077	561	12 461	258 223	535 009	75 765	832 720	381 726	173 966	106 171	163 012	92 905
Cleaning service workers	37 831	321	1 577	131 569	14 118	7 139	87 860	61 143	35 938	31 330	4 215	19 033
Cleaners and charwomen	20 004	278	303	18 831	6 803	3 843	65 162	10 091	7 532	12 714	1 837	8 037
Food service workers	1 292	83	279	73 849	1 135	39 149	98 375	247 131	86 463	29 239	9 921	8 997
Waiters and food counter workers	554	37	221	45 731	812	28 131	11 796	37 609	20 365	10 198	303	2 413
Health service workers	2 944	—	35	1 597	383	389 788	623 373	7 909	2 941	6 587	1 768	4 620
Personal service workers	4 355	92	1 421	50 918	435 342	21 251	18 863	63 195	47 987	37 769	2 071	8 084
Protective service workers	2 073	—	—	127	22	140	789	2 289	448	313	82	43 987
Private household workers	—	—	—	—	1 131 981	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Total		Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment		
	Male	Female			Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical				
<b>PERSONS 16 TO 24 YEARS OLD</b>																	
<b>Male, employed</b>	7 979 922	395 141	66 745	575 961	248 716	2 139 025	83 391	54 605	61 678	98 190	38 487	145 814	242 564	176 555	120 741		
Professional, technical, and kindred workers	821 546	7 287	5 542	26 149	3 500	188 893	1 239	1 235	3 672	5 681	3 227	9 243	29 596	35 283	6 703		
Accountants	55 550	70	736	1 348	129	12 951	311	187	400	547	237	584	2 225	1 633	630		
Architects	2 921	377	83	260	83	333	33	33	33	33	33	17	44	23	388		
Computer specialists	34 466	38	241	33	18	11 327	102	81	122	227	146	360	3 590	2 053	388		
Engineers	76 174	261	1 372	6 424	909	43 563	102	182	707	1 470	1 111	1 668	5 645	10 843	2 282		
Aeronautical and astronautical	4 005	—	—	—	—	3 509	14	16	21	—	—	—	—	—	21		
Chemical	4 908	—	94	24	—	4 151	14	—	47	63	63	21	88	201	39		
Civil	10 843	145	97	4 973	392	8 767	23	—	17	153	119	67	983	26	150		
Electrical and electronic	19 758	—	118	527	305	10 572	—	62	23	144	119	153	1 831	6 638	504		
Industrial	10 887	60	63	232	58	8 665	—	—	219	527	287	441	1 344	1 831	340		
Mechanical	10 489	—	209	241	40	7 479	42	103	103	151	321	423	1 314	933	1 340		
Other engineers	15 284	56	791	427	114	8 311	23	104	277	432	304	563	1 853	1 214	228		
Lawyers and judges	4 658	—	29	22	—	21	—	—	—	—	—	—	24	40	—		
Librarians, archivists, and curators	8 000	—	28	—	—	155	—	—	—	—	—	—	67	96	39		
Mathematical specialists	2 512	—	27	—	—	463	—	—	—	—	—	—	273	356	18		
Life and physical scientists	12 137	292	691	107	22	5 239	21	—	141	287	225	143	189	221	18		
Chemists	7 290	39	310	36	22	4 631	—	—	113	287	225	143	189	221	18		
Operations and systems researchers and analysts	4 819	—	23	56	18	3 242	18	81	81	136	41	249	539	546	193		
Personnel and labor relations workers	12 529	16	44	191	25	3 353	19	76	88	172	118	111	319	462	228		
Physicians, dentists, and related practitioners	11 132	343	—	21	—	142	—	—	—	—	—	—	32	—	—		
Dentists	7 366	—	—	—	—	15	—	—	—	—	—	—	—	—	—		
Pharmacists	2 316	—	—	—	—	22	—	—	—	—	—	—	—	—	—		
Physicians, medical and osteopathic	867	343	—	21	—	105	—	—	—	—	—	—	17	—	—		
Other related practitioners	10 129	—	—	—	—	23	—	—	—	—	—	—	—	—	—		
Registered nurses, dietitians, and therapists	19 796	137	18	20	—	540	—	16	24	—	—	—	—	24	—		
Health technologists and technicians	11 392	19	43	38	—	18	—	—	—	—	—	—	—	—	—		
Religious workers	5 830	—	—	26	—	86	—	—	56	—	22	24	325	198	21		
Social scientists	23 087	15	—	—	—	—	—	—	—	—	—	—	—	—	—		
Social and recreation workers	36 363	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Teachers, college and university	137 760	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Teachers, except college and university	160 523	1 318	1 985	14 556	1 862	73 442	21	648	1 699	2 684	1 100	5 543	14 058	16 954	2 399		
Engineering and science technicians	69 275	417	574	6 455	1 493	31 681	342	632	588	1 144	443	4 212	8 919	6 580	1 461		
Draftsmen	24 104	—	63	417	286	14 135	24	—	66	49	56	85	2 778	8 701	77		
Electrical and electronic engineering technicians	3 342	—	33	33	—	2 938	35	16	96	222	61	107	528	343	170		
Industrial and mechanical engineering technicians	63 802	901	1 348	7 651	83	24 678	—	—	949	1 269	540	1 139	1 833	1 330	691		
Other engineering and science technicians	13 314	208	85	412	141	1 227	—	—	17	—	69	48	373	177	—		
Technicians, exc. health, and eng. and science	2 082	145	—	101	63	1 54	—	—	—	—	—	—	—	21	—		
Airplane pilots	1 039	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Embalmers	5 169	—	—	133	—	43	—	—	—	—	—	—	—	—	—		
Radio operators and air traffic controllers	5 024	63	85	178	78	1 009	26	24	203	16	48	48	373	138	—		
Other technicians, exc. health, and eng. and science	91 384	1 993	34	694	176	17 703	26	24	17	125	77	255	1 698	1 246	386		
Writers, artists, and entertainers	87 070	3 000	186	1 722	117	13 437	287	21	101	125	219	219	304	612	119		
Other professional, technical, and kindred workers	279 630	1 069	730	13 055	4 171	32 068	914	514	756	589	173	1 762	3 135	2 933	884		
Managers and administrators, except farm	44 574	1 709	52	690	280	8 070	22	267	108	164	93	472	1 070	822	230		
Buyers, purchasing agents, and sales managers	235 056	960	678	12 365	3 891	23 998	892	247	648	425	80	1 290	2 065	2 111	654		
Other managers and administrators	213 359	669	598	8 563	2 643	22 228	533	228	584	425	93	1 206	1 925	2 079	654		
Salaried	21 697	291	80	3 802	1 248	1 770	359	19	64	—	—	84	140	32	—		
Self-employed	542 860	1 821	178	2 279	1 224	79 002	458	628	470	561	309	1 527	2 816	1 600	575		
Sales workers	39 423	—	—	—	—	37 486	—	—	—	—	—	—	—	—	—		
Newsboys	97 693	128	—	465	288	16 572	16	18	79	101	94	161	236	185	153		
Other specified sales workers	405 744	1 693	178	1 814	936	24 944	442	610	391	460	215	1 366	2 580	1 415	422		
Salesmen and sales clerks, n.e.c.																	

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

United States	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment			
	Total	Total	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical						
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>																		
<b>Male, employed—Continued</b>																		
<b>Clerical and kindred workers</b>																		
Bookkeepers	862 665	2 401	3 453	4 037	13 015	2 062	3 869	3 409	6 434	3 025	10 602	21 400	18 218	7 893				
Cashiers	48 069	447	606	650	2 009	189	254	283	598	202	812	1 465	950	529				
Estimators and investigators, n.e.c.	74 927	44	23	22	43	—	—	18	—	—	11	18	113	22				
Office machine operators	16 599	85	20	952	2 016	—	16	33	65	41	261	177	274	125				
Secretaries, stenographers, and typists	56 380	126	20	24	426	128	106	216	257	257	632	2 833	1 843	655				
Shipping and receiving clerks	32 404	247	107	170	713	81	91	76	503	103	349	744	3 628	353				
Stock clerks and storekeepers	83 526	118	34	258	543	42	340	476	1 212	801	3 424	3 628	3 628	1 233				
Other clerical and kindred workers	108 367	224	380	309	733	314	496	547	668	443	1 449	3 807	3 818	1 546				
	444 393	1 110	1 741	1 652	6 530	874	949	1 544	4 702	1 178	3 664	8 576	7 013	3 428				
<b>Craftsmen and kindred workers</b>																		
Construction craftsmen	1 212 788	4 940	10 006	165 973	305 740	10 767	13 334	7 230	21 690	6 413	27 463	53 574	25 833	16 611				
Brickmasons and stonemasons	326 241	2 110	3 608	133 715	227 488	4 126	2 230	1 307	3 356	798	4 103	3 639	2 630	2 305				
Carpenters	19 388	92	43	11 670	17 435	1 024	—	182	323	41	67	81	180	47				
Electricians	97 872	562	818	21 510	74 320	12 546	1 566	194	1 688	101	318	283	1 180	850				
Excavating, grading, and road machine operators	56 413	14	690	29 024	13 420	1 548	43	380	1 448	468	598	1 484	1 598	116				
Painters (const. & maint.), plasterers, & paperhangers	31 997	1 199	1 450	3 482	21 445	1 738	14	1 318	38	38	190	196	534	764				
Plumbers and pipefitters	44 697	96	241	23 185	26 607	167	568	109	102	69	915	906	608	260				
Other construction craftsmen	41 942	147	268	23 938	28 137	6 696	19	69	541	81	462	648	191	88				
Foremen, n.e.c.	34 338	972	96	20 946	28 521	3 500	27	20	124	—	1 553	41	19	1 059				
Mechanics and repairmen	59 016	1 082	556	1 933	5 897	1 771	249	1 002	2 284	726	2 351	2 575	3 350	6 056				
Automobile, including body	350 567	1 082	2 808	9 138	14 130	63 028	464	1 465	4 225	802	2 545	9 839	5 767	4 338				
	171 414	376	409	313	1 535	7 430	—	333	63	41	111	558	93	—				
Metal craftsmen, except mechanics	122 885	56	512	9 291	10 836	102 458	657	1 283	8 776	3 128	15 595	34 794	7 956	5 834				
Machinists, job setters, and toolmakers	76 945	36	472	273	718	70 387	221	558	2 454	1 479	8 373	30 483	6 004	4 458				
Blacksmiths, forgemen, hammermen, boilermakers	5 035	—	—	174	410	3 333	46	—	572	192	1 309	281	1 103	4 458				
Other metal craftsmen	40 905	20	40	8 844	9 708	28 738	390	142	5 750	1 457	5 913	4 030	1 849	1 233				
Printing craftsmen	55 997	60	82	1 334	3 381	47 263	100	66	1 555	22	425	572	506	85				
Stationary engineers and power station operators	10 731	—	784	1 149	414	2 849	109	63	201	133	1 555	103	175	69				
Other craftsmen and kindred workers	287 351	654	1 658	11 553	46 644	75 670	8 632	1 998	5 493	804	2 289	2 052	5 449	1 203				
<b>Operatives, except transport</b>																		
Assemblers	1 450 717	4 990	34 436	19 477	39 239	28 920	26 920	26 502	36 135	18 213	75 050	109 372	74 857	74 369				
Checkers, examiners, and inspectors, manufacturing	122 375	109	109	236	413	115 988	5 896	1 071	1 085	721	8 132	18 927	21 848	31 881				
Filers, polishers, sanders, and buffers	49 889	—	—	87	169	49 889	314	645	1 985	1 042	3 380	7 525	9 611	5 290				
Painters, manufactured articles	19 831	25	41	87	87	13 916	2 293	505	352	393	2 108	1 839	813	1 114				
Precision machine operatives	61 193	38	229	103	401	14 175	251	291	209	76	1 583	2 201	1 730	1 920				
Drill press operatives	19 831	—	—	—	—	58 300	622	743	3 807	967	7 549	26 809	4 175	5 121				
Grinding machine operatives	12 293	13	13	40	41	11 774	83	127	239	173	3 205	6 817	1 265	923				
Lathe and milling machine operatives	18 715	—	—	40	83	17 872	45	210	2 856	538	2 642	6 817	1 265	1 668				
Machine operatives, miscellaneous specified	20 368	21	21	63	252	19 250	337	117	505	256	2 101	9 392	1 397	1 437				
Machine operatives, not specified	9 907	17	50	74	25	157	214	271	817	24	4 554	4 968	1 397	1 893				
Punch and stamping press operatives	21 830	92	—	—	171	21 064	520	171	207	767	5 994	3 573	3 608	3 413				
Solderers	1 451	—	—	23	23	1 219	57	21	22	—	126	123	471	133				
Stationary firemen	6 444	84	142	15	169	3 422	53	90	335	114	126	46	83	85				
Welders and flame-cutters	79 488	589	1 261	3 705	7 783	265	1 376	738	3 457	771	13 520	6 277	3 690	8 524				
Other specified operatives	688 417	2 191	32 578	12 666	23 111	57 455	5 486	6 130	8 182	3 961	9 712	9 475	9 240	3 647				
Machine operatives, miscellaneous specified	142 228	770	—	457	1 732	264 980	2 849	6 360	5 529	4 495	7 677	7 649	9 240	4 760				
Machine operatives, not specified	80 396	315	—	105	675	72 993	2 214	1 638	2 912	1 947	7 554	11 603	5 131	4 825				
Miscellaneous operatives	113 854	480	—	1 345	3 705	41 476	3 014	2 323	3 804	4 142	4 720	5 291	4 858	2 258				
Not specified operatives	45 755	239	24	661	969	37 528	3 291	1 070	3 301	1 047	2 901	2 684	2 541	1 398				
<b>Transport equipment operatives</b>																		
Deliverymen and roulemen	444 278	6 365	6 198	6 047	24 221	6 682	2 025	5 886	2 826	2 006	4 951	5 138	3 997	3 291				
Fork lift and tow motor operatives	148 069	1 295	224	981	1 692	427	465	376	152	57	661	675	512	292				
Truck drivers	42 189	363	201	273	1 016	2 696	622	1 804	1 109	1 243	2 464	2 464	2 371	1 771				
Other transport equipment operatives	158 114	4 297	4 829	4 599	18 585	3 531	938	3 622	1 220	589	1 750	1 809	2 738	862				
	95 906	410	944	194	2 928	8 752	—	64	345	117	205	190	436	366				



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total	Total	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical			
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>	1 078 648	43 199	5 065	146 977	43 148	227 179	31 070	5 010	12 250	18 449	4 030	12 303	11 990	9 562	7 376
Construction laborers	151 431	394	698	130 315	40 420	6 916	586	412	856	958	137	599	3 399	221	1 668
Freight, stock, and material handlers	540 574	893	2 358	4 058	2 251	97 830	11 005	2 533	5 403	3 524	1 235	4 779	5 167	5 737	3 990
Vehicle washers and equipment cleaners	48 398	94	188	2 297	106	8 851	154	39	282	471	155	398	772	357	543
Other specified laborers	180 988	39 062	277	12 103	353	34 797	14 208	124	265	323	154	528	441	468	240
Miscellaneous laborers	39 190	1 555	630	18 129	18	18 129	1 544	153	686	5 453	671	1 891	1 103	470	476
Not specified laborers	118 087	1 201	916	204	18	60 656	3 573	1 749	4 758	7 720	1 738	4 108	4 108	2 309	1 959
<b>Farm workers</b>	320 669	320 669	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Service workers, including private household</b>	966 101	2 400	1 137	5 286	1 139	58 352	1 293	1 070	1 503	3 825	1 091	2 913	5 543	4 272	3 039
Cleaning service workers	263 496	1 207	578	3 721	896	43 475	947	897	1 295	3 424	925	2 509	4 740	3 246	2 556
Food service workers	399 357	110	134	118	43	2 912	—	39	32	23	41	63	159	256	56
Health service workers	—	209	—	—	—	106	23	—	23	35	—	20	65	27	20
Personal service workers	82 239	61	22	116	—	1 106	23	—	46	263	87	64	184	370	38
Guard and watchmen	25 144	200	246	377	37	2 986	121	46	61	80	—	227	376	330	232
Other service workers, including private household	144 408	613	157	954	163	7 767	202	88	92	—	17	—	—	—	137
<b>Female, employed</b>	6 708 802	59 724	11 612	50 356	17 229	1 117 167	9 272	22 044	20 738	14 447	9 833	43 549	77 163	155 909	21 515
<b>Professional, technical, and kindred workers</b>	861 949	1 789	930	2 253	314	44 584	31	311	1 008	334	505	1 140	3 758	5 313	515
Accountants	29 944	92	214	344	64	5 525	18	80	270	84	76	519	572	651	181
Computer specialists	18 911	87	178	214	—	4 760	—	91	97	58	67	144	1 384	642	134
Engineers	2 854	—	—	348	13	1 127	—	—	29	—	—	18	152	354	39
Librarians, archivists, and curators	5 691	38	213	—	—	259	—	—	18	20	—	—	—	64	—
Life and physical scientists	4 687	216	—	—	—	1 614	—	—	46	31	31	22	119	37	—
Physicians, dentists, and related practitioners	139 989	83	11	18	—	56	—	—	—	—	21	19	40	106	—
Registered nurses, dietitians, and therapists	60 300	19	—	169	—	387	—	—	—	18	—	—	—	—	—
Health technologists and technicians	2 924	—	—	336	—	7 767	—	—	—	23	—	—	36	—	—
Social scientists	34 268	—	—	—	—	41	—	—	19	—	—	—	—	—	—
Teachers, except college and university	344 400	20	—	—	—	416	—	—	23	—	—	—	60	84	—
Engineering and science technicians	25 427	96	194	694	61	10 227	—	39	218	58	187	212	749	2 029	78
Technicians, exc. health, and engineering and science	3 495	38	35	57	—	150	—	—	22	16	—	41	305	56	—
Writers, artists, and entertainers	53 738	824	85	172	55	13 933	13	101	180	—	37	165	341	647	—
Other professional, technical, and kindred workers	118 036	276	—	406	121	5 564	—	—	86	26	86	—	—	623	83
<b>Managers and administrators, except farm</b>	80 350	112	56	616	288	5 128	72	147	40	58	23	95	471	546	—
Buyers, purchasing agents, and sales managers	17 384	18	32	62	43	1 509	38	24	24	22	80	80	189	239	—
Other managers and administrators	62 966	94	24	554	245	3 619	34	123	40	36	23	15	282	307	—
Salaries	57 870	72	24	492	245	3 444	34	123	40	36	23	15	282	307	—
Self-employed	5 076	22	—	62	—	175	—	—	—	—	—	—	—	—	—
<b>Sales workers</b>	512 976	660	20	500	264	11 584	60	116	225	25	63	267	315	521	41
<b>Clerical and kindred workers</b>	3 080 503	9 194	9 015	37 943	12 302	446 900	3 919	7 580	8 868	11 408	5 731	22 749	50 406	53 714	10 916
Billing clerks	25 044	17	98	189	104	8 016	127	369	218	127	135	525	905	795	18
Bookkeepers	225 037	1 357	845	4 448	2 123	33 650	595	588	774	781	581	1 915	2 975	3 029	726
Cashiers	254 995	132	—	100	18	5 474	—	—	—	13	42	—	104	68	43
Counter clerks, except food	44 596	60	60	51	20	5 474	—	86	71	60	20	190	338	286	68
File clerks	133 281	152	425	1 003	371	19 017	95	304	271	379	197	897	2 452	2 736	543
Office machine operators	153 437	335	561	36 634	294	36 634	376	570	730	1 554	559	1 838	4 599	4 731	1 340
Bookkeeping and billing machine operators	20 014	34	75	158	—	27 364	27	18	65	38	25	153	4 274	274	—
Keypunch operators	100 835	200	362	1 209	219	26 390	237	421	551	1 256	458	1 445	3 455	3 351	979

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Agriculture, forestry, and fisheries		Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total	Special trade contractors		Total	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Furniture and fixtures	Lumber and wood products, except furniture			
<b>United States</b>														
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>														
<b>Female, employed—Continued</b>														
<b>Clerical and kindred workers—Continued</b>														
Payroll and timekeeping clerks	21 574	96	186	1 025	390	414	343	222	77	608	1 032	626	318	
Receptionists	106 099	1 479	368	1 254	433	316	226	138	112	729	1 285	862	191	
Secretaries	791 610	2 880	3 745	17 361	5 893	2 505	4 029	4 213	2 571	8 759	21 670	21 735	4 347	
Statistical clerks	41 882	93	62	204	47	108	65	135	41	142	699	837	118	
Stratigraphers	39 133	99	349	866	160	124	124	587	44	511	591	901	394	
Stenographers	141 698	40	99	338	139	168	112	115	81	116	822	455	227	
Telephone operators	376 144	959	1 031	4 433	1 197	1 090	1 007	2 005	851	3 608	7 453	9 626	1 589	
Typists	725 970	1 495	1 166	5 175	1 113	1 038	898	1 079	420	2 911	5 481	7 007	1 994	
Other clerical and kindred workers														
Total	74 980	309	161	4 706	2 711	2 122	498	362	263	1 350	1 778	4 160	785	
<b>Craftsman and kindred workers</b>	7 619	61	17	4 706	63	93	45	17	19	222	127	509	99	
Foremen, n.e.c.	8 544	22	30	392	238	38	32	17	61	140	490	780	213	
Mechanics and repairmen	11 159			38	19	16		22		91	134	133	34	
Printing craftsmen														
Total	648 946	2 160	1 168	1 133	612	11 025	9 015	1 694	2 971	16 169	19 269	88 404	8 744	
<b>Operatives, except transport</b>	87 003	55		44	44	483	591	134	367	3 778	8 524	39 297	3 970	
Assemblers	2 059					27	2	98	295	43	41	60	711	
Bottling and canning operatives	43 276					165	2 816	276	28	1 662	2 179	11 437	18	
Checkers, examiners, inspectors, manufacturing	3 034					137	215	58	14	58	14	182	361	
Graders and sorters, manufacturing	60 362	861		35		227	1 843	188	150	1 307	698	2 088		
Packers and wrappers, except produce	2 036	122												
Produce graders and packers, exc. factory and farm	22 494													
Mixing operatives	122 867						22			25	125	19	215	
Sewers and stitchers	202 414	710		56	56	17	35			25	125	19	215	
Other specified operatives	49 155	124		766	353	979	961	565	975	4 717	4 391	14 533	1 421	
Machine operatives, miscellaneous specified	24 085			45	45	519	1 415	256	470	1 963	1 027	7 358	839	
Machine operatives, not specified	36 109	267		57	19	160	366	250	321	1 527	1 330	4 021	631	
Miscellaneous operatives	16 049	21		130	95	480	512	66	208	600	593	6 176	326	
Not specified operatives						296	239	117	137	489	347	3 035	252	
Total	16 517	176	67	327	73	138	86	54	12	55	114	159	57	
<b>Transport equipment operatives</b>	4 541	108		51	24			23				28		
Deliverymen and roulemen														
Total	70 523	5 461	142	2 209	546	575	848	282	228	1 523	691	2 502	273	
<b>Laborers, except farm</b>	38 936													
<b>Farm workers</b>														
Service workers, except private household	1 170 626	927	53	669	119	70	150	230	37	201	361	590	184	
Cleaning service workers	64 093	251	22	467	60	41	64	145	15	25	163	150	91	
Cleaners and charwomen	20 251	119		177	44	21	22	34	15	36	54	96	22	
Food service workers	496 775	314	15				28	19		21	36	89	49	
Waiters and food counter workers	369 239	128	15							19	41	71	49	
Health service workers	282 672	116						41		19				
Personal service workers	218 191	146		21						20		38		
Protective service workers	5 037	19		20			42					63	24	
Total	152 496													

\*Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities																										
	Other transportation equipment parts		Aircraft and parts		Other durable goods		Food and kindred products		Textile mill products		Apparel and other fabricated textile products		Paper and allied products		Printing, publishing and allied industries		Chemicals and allied products		Rubber and miscellaneous plastic products		Other non-durable goods		Total		Railroads and railway express service		Trucking service and warehousing		Other transportation								
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value							
<b>United States</b>																																					
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>																																					
<b>Male, employed</b>																																					
Professional, technical, and kindred workers																																					
Accountants	55	335	4	130	3	433	19	066	158	892	160	091	95	872	46	565	79	653	163	363	89	623	64	372	118	959	494	585	47	960	114	392	93	890			
Architects	12	375	4	130	3	433	19	066	158	892	160	091	95	872	46	565	79	653	163	363	89	623	64	372	118	959	41	267	1	012	824	3	540	3	540		
Computer specialists	4	477	323	150	18	240	1	200	1	293	4	817	3	329	1	493	4	715	13	245	17	119	4	509	7	428	2	343	282	322	322	476	476	476	476		
Engineers	760	119	1	200	240	591	2	103	2	103	298	736	258	867	244	417	181	837	590	280	569	300	974	166	381	1	166	184	22	138	22	138	166	166	166	166	
Aeronautical and astronautical	3	292	1	200	1	293	1	116	64	64	736	258	867	417	244	181	837	590	280	569	300	974	166	381	1	166	184	22	138	22	138	166	166	166	166		
Chemical	57	209	24	20	20	60	31	169	78	78	169	23	23	26	26	79	79	72	26	26	2	360	130	731	731	731	36	58	58	58	58	58	58	58	58		
Civil	209	24	24	20	20	60	31	169	78	78	169	23	23	26	26	79	79	72	26	26	2	360	130	731	731	731	36	58	58	58	58	58	58	58	58		
Electrical and electronic	882	224	224	400	400	420	411	249	405	405	249	405	18	18	371	371	72	72	145	145	167	167	53	53	58	58	4	535	59	40	40	40	40	40	40		
Industrial	580	190	190	138	138	411	249	405	405	405	249	405	18	18	371	371	72	72	145	145	167	167	53	53	58	58	4	535	59	40	40	40	40	40	40		
Mechanical	710	577	577	393	393	223	223	157	109	109	157	109	98	98	20	20	353	353	70	70	225	225	115	115	206	206	821	26	26	26	26	26	26	26	26		
Other engineers	399	185	185	226	226	847	130	130	112	112	130	112	112	20	20	353	353	70	70	436	436	332	332	203	203	676	676	676	676	676	676	676	676	676			
Lawyers and judges	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mathematical specialists	127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Life and physical scientists	81	102	112	112	200	200	200	320	190	190	320	190	190	21	21	285	285	21	21	20	20	212	212	181	180	180	359	83	83	21	21	21	21	21	21		
Chemists	81	62	59	200	200	200	200	320	190	190	320	190	190	21	21	285	285	21	21	20	20	212	212	181	180	180	359	83	83	21	21	21	21	21	21		
Operations and systems researchers and analysts	281	124	102	175	175	178	178	127	67	67	127	67	67	41	41	62	62	149	149	145	145	109	109	143	59	59	233	267	267	267	267	267	267	267	267		
Personnel and labor relations workers	226	106	165	165	178	178	178	156	243	243	156	243	243	106	106	130	130	68	68	70	70	184	117	81	81	453	453	453	453	453	453	453	453	453	453		
Physicians, dentists, and related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dentists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pharmacists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Religious workers	82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	20	15	20	20	48	48	48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineering and science technicians	3	374	1	541	971	4	041	1	789	1	234	1	234	41	82	1	982	23	80	660	42	837	2	110	1	635	10	209	269	109	20	20	20	20	20		
Professionals	1	709	1	230	275	1	359	1	250	250	250	250	92	43	43	328	338	338	338	338	8	537	804	560	572	3	663	170	170	20	20	20	20	20	20		
Electrical and electronic engineering technicians	760	184	184	226	777	777	777	226	23	23	226	23	23	21	21	45	45	90	90	102	102	102	45	45	35	35	4	188	40	40	40	40	40	40	40	40	
Industrial and mechanical engineering technicians	203	36	63	63	196	196	196	115	115	115	287	33	33	21	21	33	33	47	47	47	7	544	204	27	27	78	19	78	19	19	19	19	19	19	19	19	
Other engineering and science technicians	702	91	407	407	1	709	1	356	1	002	1	356	1	002	18	1	576	185	185	185	7	544	1	301	1	001	2	280	40	40	89	89	89	89	89	89	
Technicians, exc. health, and eng. and science	250	22	18	18	25	23	23	23	18	18	23	18	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Airplane pilots	57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	168	22	18	18	25	25	2																														

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Manufacturing - Con.										Transportation, communications, and other public utilities					
	Manufacturing - Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Other durable goods	Drainage	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing
6 554	2 795	1 631	13 533	9 703	7 566	8 144	5 748	21 782	8 806	4 903	11 074	16 285	71 439	9 245	14 545	16 285
270	166	79	317	108	266	351	166	815	719	203	479	603	3 514	527	070	603
79	41	-	18	28	-	15	177	60	-	-	103	238	1 683	230	193	501
837	206	245	849	770	34	391	397	404	995	103	804	535	3 628	872	362	595
133	39	19	438	183	237	143	203	913	369	250	242	1 261	3 518	870	714	1 261
273	525	153	1 200	2 761	3 356	4 531	1 832	2 534	2 476	1 828	1 768	1 783	6 154	258	4 262	1 783
1 584	564	453	1 618	1 294	900	1 114	900	804	998	1 754	796	11 769	4 637	6 616	11 769	11 769
3 378	1 254	682	7 017	3 186	2 234	1 599	2 073	14 593	3 171	1 649	6 882	11 913	4 365	5 537	11 913	11 913
13 930	25 873	2 709	29 898	14 616	10 897	6 713	9 931	43 918	9 945	8 123	13 343	11 234	133 017	12 719	9 333	11 234
1 675	14 105	295	1 271	1 032	699	180	894	304	1 758	780	916	1 234	11 222	2 006	537	1 234
78	26	-	-	19	53	74	97	18	315	63	174	284	5 331	396	87	284
930	2 743	96	496	196	288	24	340	47	546	339	169	396	1 296	1 048	18	396
58	69	20	408	175	159	42	159	158	235	23	106	79	1 951	225	153	79
320	1 368	94	57	193	50	42	19	20	162	138	334	63	2 389	121	144	393
134	2 736	44	20	162	23	21	252	61	41	30	37	19	2 193	58	57	19
149	964	-	20	2 622	2 546	317	27	1 137	1 425	2 369	991	518	3 396	316	1 364	518
485	835	318	1 702	4 104	2 891	1 482	2 891	819	2 916	2 363	2 224	9 055	28 133	4 419	6 188	9 055
5 305	1 903	999	3 103	4 781	5 499	1 38	98	87	2 71	58	130	2 008	8 748	-	5 591	2 008
68	99	-	110	781	116	38	98	87	71	71	130	2 008	8 748	-	5 591	2 008
5 882	5 712	866	3 819	734	768	328	128	558	1 131	1 884	967	388	1 955	1 101	53	388
3 697	2 026	703	2 756	599	727	256	807	391	773	1 729	750	226	1 356	127	53	226
98	298	14	14	65	41	20	53	61	-	325	64	162	274	163	-	162
2 087	3 388	149	996	121	268	52	268	106	358	135	153	121	770	19	99	121
127	98	-	453	152	468	44	2 868	40 241	327	319	136	156	4 462	19	40	156
101	61	-	113	187	249	3 362	764	571	439	22	360	441	83 079	4 823	1 052	441
355	3 159	109	19 437	5 785	730	3 362	764	571	750	386	8 749	9 532	26 305	2 779	3 982	9 532
18 985	23 221	8 121	67 706	59 176	56 805	21 204	41 650	21 502	33 773	36 169	48 660	9 532	26 305	2 779	3 982	9 532
6 306	3 326	1 986	5 330	1 637	1 855	193	779	561	981	1 361	1 683	89	446	19	113	89
2 074	627	987	1 738	1 759	2 473	785	860	359	1 446	2 315	3 422	42	-	-	-	42
509	308	99	1 626	68	21	28	88	18	200	215	257	28	70	-	-	28
304	1 006	161	1 250	120	109	25	191	88	74	314	326	37	270	71	37	37
2 723	1 015	558	362	116	362	25	182	64	234	553	550	17	37	-	-	17
405	239	221	419	13	34	25	104	34	-	100	223	20	37	-	-	20
930	343	103	201	54	41	-	42	30	54	82	111	20	151	21	-	20
1 210	344	208	725	27	85	-	42	30	116	327	192	28	39	50	-	28
178	89	28	201	22	25	48	92	94	64	44	24	-	44	-	-	-
289	313	143	549	-	25	-	92	-	37	169	272	-	44	-	-	-
21	17	-	174	-	-	-	-	-	-	-	54	-	-	-	-	-
55	17	81	121	207	96	47	224	-	349	105	215	59	1 023	97	17	59
684	7 590	415	1 757	345	150	17	329	39	415	415	546	212	2 073	746	173	212
1 790	1 352	653	37 862	28 708	53 384	13 562	10 922	5 757	10 362	4 935	29 172	4 175	9 755	349	2 248	4 175
1 307	1 354	1 199	5 509	12 052	-	2	15 280	5 098	8 244	16 499	5 096	84	1 394	129	279	84
1 978	599	1 279	3 491	3 937	-	2	5 997	2 144	6 391	4 741	2 284	29	885	369	115	29
495	2 967	304	4 279	7 198	-	2 903	4 771	6 672	2 917	3 264	1 882	4 689	9 514	761	950	4 689
495	1 730	261	2 414	3 029	-	1 117	1 935	6 608	2 123	1 486	2 882	4 689	9 514	238	87	4 689
551	1 285	821	5 429	24 844	2 510	1 131	4 312	5 217	3 539	2 026	4 506	32 880	109 497	12 057	48 992	32 880
146	161	114	583	14 384	32	436	231	2 926	701	172	343	486	7 365	82	5 670	486
251	462	439	1 036	4 037	1 657	213	2 505	551	1 316	1 060	697	507	2 451	66	1 671	507
154	532	205	738	6 108	1 329	440	1 329	1 188	1 403	597	876	914	47 704	470	41 354	914
-	-	63	3 072	3 315	38	42	247	168	119	197	2 590	30 973	51 977	11 439	297	30 973

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Other non-durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>															
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>	1 171	5 728	1 496	31 479	10 679	3 847	9 868	7 521	9 569	5 734	13 814	7 462	32 403	10 701	
Construction laborers	62	1 090	64	205	141	259	17	17	284	87	275	460	83	120	
Freight, stock, and material handlers	481	1 204	652	18 921	6 169	3 300	5 057	4 433	4 478	2 986	3 159	857	28 855	7 122	
Vehicle washers and equipment cleaners	136	314	32	2 431	1 130	—	248	447	333	156	282	567	942	1 700	
Other specified laborers	61	100	131	575	152	18	442	269	817	173	7 208	105	249	299	
Miscellaneous laborers	127	756	156	1 686	607	28	487	428	237	440	394	4 221	272	364	
Not specified laborers	304	2 264	461	7 661	2 480	501	3 375	1 937	3 420	1 892	2 496	1 252	2 002	1 096	
<b>Farm workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Service workers, including private household</b>	926	1 163	635	8 358	2 575	1 581	1 655	2 335	3 491	1 500	4 243	1 113	1 523	5 469	
Cleaning service workers	478	812	366	6 161	2 361	1 430	1 272	86	2 820	1 242	1 910	406	1 246	1 978	
Food service workers	156	49	19	17	59	—	43	—	119	36	112	147	40	728	
Health service workers	66	19	—	150	112	109	71	—	23	19	152	57	151	820	
Personal service workers	134	125	212	1 671	29	23	112	49	360	81	106	286	86	1 508	
Guards and watchmen	92	158	38	389	14	19	157	137	113	122	1 963	217	—	187	
Other service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—	248	
<b>Female, employed</b>	21 801	10 431	10 345	63 144	81 713	152 041	28 662	97 612	52 179	33 859	95 480	7 921	26 627	66 257	
<b>Professional, technical, and kindred workers</b>	1 619	229	449	2 239	1 364	1 624	879	11 787	5 257	805	2 540	227	288	1 133	
Accountants	200	43	23	474	182	174	214	452	436	247	271	55	176	479	
Computer specialists	380	71	121	81	161	63	95	216	404	116	185	106	37	174	
Engineers	127	—	72	64	36	21	—	—	158	20	18	—	—	43	
Librarians, archivists, and curators	—	—	—	44	—	—	—	—	24	—	—	—	—	77	
Life and physical scientists	53	—	—	218	—	21	—	—	999	—	13	—	—	—	
Physicians, dentists, and related practitioners	—	—	—	18	—	—	—	—	36	—	18	—	21	—	
Registered nurses, dietitians, and therapists	38	—	—	40	—	—	—	—	69	18	39	—	—	—	
Health technologists and technicians	—	—	19	16	—	—	—	38	112	—	84	—	—	—	
Social scientists	—	—	—	—	—	—	—	—	100	—	—	—	—	—	
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	22	—	—	19	
Teachers, except college and university	471	55	142	1 128	59	90	—	—	19	40	—	—	—	42	
Engineering and science technicians	22	—	—	18	12	118	273	304	2 411	244	288	—	18	144	
Technicians, exc. health, and engineering and science	151	20	294	286	271	1 060	131	10 221	136	61	266	—	18	68	
Writers, artists, and entertainers	167	40	72	286	102	77	144	482	353	35	1 312	20	18	87	
Other professional, technical, and kindred workers	134	37	10	399	175	368	212	1 162	300	131	381	132	109	2 606	
<b>Managers and administrators, except farm</b>	46	21	10	70	44	114	56	56	276	—	23	—	109	57	
Buyers, purchasing agents, and sales managers	88	16	—	329	131	254	156	886	184	131	358	132	109	2 549	
Other managers and administrators	88	16	—	291	131	238	156	831	184	131	328	132	109	2 530	
Self-employed	—	—	—	36	—	16	—	55	—	—	30	41	—	19	
<b>Sales workers</b>	—	64	45	1 147	1 822	748	88	4 204	443	35	1 162	—	136	982	
<b>Clerical and kindred workers</b>	15 503	6 128	5 796	37 368	24 651	18 908	13 672	59 242	32 734	12 010	30 348	6 667	22 787	34 646	
Billing clerks	42	—	43	695	554	491	410	833	616	310	359	43	1 221	135	
Bookkeepers	503	324	190	3 530	1 132	2 727	1 147	4 426	2 589	967	3 592	386	2 715	2 028	
Cashiers	26	22	21	138	65	98	—	220	62	220	196	60	236	444	
Counter clerks, except food	44	—	—	249	160	356	194	2 310	518	110	131	—	170	187	
File clerks	974	202	328	664	783	734	493	2 924	1 060	361	1 228	438	1 297	714	
Office machine operators	1 629	220	396	2 488	1 331	1 622	1 327	3 667	2 274	1 067	2 037	1 171	1 649	1 241	
Bookkeeping and billing machine operators	35	21	—	143	86	190	181	331	105	45	133	36	133	55	
Keypunch operators	1 152	181	301	1 586	1 685	1 151	868	2 061	1 796	775	1 595	845	1 358	926	

\*Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States		Manufacturing—Con.										Transportation, communications, and other public utilities				
		Aircraft and parts	Other transportation equipment	Other durable goods	Ordnance	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and express service	Trucking service and warehousing
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>																
<b>Female, employed—Continued</b>																
<b>Clerical and kindred workers—Continued</b>																
Payroll and timekeeping clerks	92	158	562	99	601	480	1 287	562	582	432	268	549	1 906	130	262	181
Receptionists	40	230	681	90	533	372	4 686	302	1 455	510	410	423	3 422	69	449	831
Secretaries	6 222	2 238	10 995	2 263	8 698	5 006	4 117	5 428	15 091	15 452	4 830	7 685	35 663	1 464	6 256	7 898
Statistical clerks	308	92	453	41	220	308	316	56	744	514	139	436	6 739	228	290	430
Stenographers	688	357	201	291	284	31	92	143	494	684	100	436	3 913	584	205	267
Telephone operators	85	37	254	40	351	205	173	187	902	705	93	174	106 285	80	740	450
Typists	2 847	1 587	3 813	1 286	2 602	1 734	2 106	1 868	11 262	4 705	1 823	2 900	27 144	911	3 478	3 820
Other clerical and kindred workers	2 003	661	13 507	708	3 681	3 151	4 150	1 555	14 112	3 040	1 532	11 738	71 885	1 103	3 819	16 019
<b>Craftsman and kindred workers</b>																
Foremen, n.e.c.	650	1 073	3 738	113	1 017	1 099	3 089	404	7 826	384	691	3 286	4 060	220	263	312
Mechanics and repairmen	22	36	246	35	61	456	947	53	1 117	103	151	278	414	58	67	194
Printing craftsmen	253	95	323	—	73	173	130	90	22	47	—	34	514	—	74	22
Printing craftsmen	20	—	102	—	42	137	133	165	7 479	74	205	—	151	—	66	—
<b>Operatives, except transport</b>																
Assemblers	3 669	2 465	47 295	3 714	28 610	61 314	124 436	12 301	11 830	11 866	19 498	54 889	2 048	83	529	393
Bottling and canning operatives	1 422	728	10 114	1 494	1 098	277	465	934	830	2 040	2 375	1 684	171	—	—	16
Checkers, examiners, inspectors, manufacturing	299	100	78	493	1 313	53	53	876	893	1 093	1 759	2 484	—	—	—	—
Graders and sorters, manufacturing	20	—	20	—	1 226	380	316	75	197	27	24	293	—	—	—	—
Packers and wrappers, except produce	102	18	2 859	212	11 485	2 041	3 729	3 216	1 374	2 687	2 807	1 882	341	—	249	57
Produce graders and packers, exc. factory and farm	—	—	—	—	—	—	—	—	—	—	—	—	19	—	19	—
Mixing operatives	—	—	—	28	100	30	—	21	—	69	119	19	—	—	—	—
Sewers and stitchers	12	230	1 059	16	37	13 863	94 960	209	294	43	774	6 948	69	26	21	43
Other specified operatives	1 005	732	18 841	542	3 140	38 892	8 199	763	2 051	1 875	1 874	34 200	540	20	21	140
Machine operatives, miscellaneous specified	198	72	3 869	179	3 263	—	4 295	3 307	2 461	1 580	5 702	3 568	180	—	73	36
Machine operatives, not specified	239	76	2 379	462	1 081	—	518	1 565	1 928	929	2 155	1 005	97	17	167	101
Miscellaneous operatives	269	308	3 093	178	4 200	—	3 599	861	1 644	899	1 280	2 020	585	20	—	—
Not specified operatives	103	201	1 757	110	747	—	2 876	421	250	332	571	748	46	—	—	—
<b>Transport equipment operatives</b>																
Deliverymen and roulemen	—	14	51	—	512	47	68	181	164	82	24	150	7 674	280	1 700	4 560
Labors, except farm	63	299	1 759	161	2 467	1 983	2 334	796	902	720	528	1 832	1 698	172	605	23
<b>Form workers</b>																
Service workers, except private household	163	122	828	57	1 427	289	466	129	495	393	137	912	23 551	740	210	21 239
Cleaning service workers	18	79	81	18	223	199	174	62	197	95	54	54	671	19	85	223
Cleaners and charwomen	69	32	97	21	41	108	107	—	37	69	—	—	180	19	21	123
Waiters and food counter workers	43	43	39	21	967	32	30	—	115	115	—	—	865	84	67	597
Health service workers	—	—	20	—	446	18	—	—	70	18	16	—	509	60	19	332
Personal service workers	—	—	101	—	28	46	—	—	43	70	—	—	93	—	—	49
Protective service workers	—	—	—	—	59	12	—	42	—	51	—	187	20 487	19	16	20 267
<b>Private household workers</b>																

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text]

United States	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade						Finance, insurance, and real estate						
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate			
															106 069	98 571	332 103
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>	<b>Male, employed</b>																
Accountants	21 526	11 490	10 981	1 227	3 127	1 593	966	581	3 790	14 117	18 206	7 663	5 383	5 160			
Architects	290	973	2 307	476	601	385	281	160	222	746	5 900	3 269	1 323	1 308			
Computer specialists	632	496	1 338	167	326	105	77	63	38	229	5 058	2 441	2 072	545			
Engineers	2 975	3 963	1 481	80	131	91	68		41	267	6 662	171	264	227			
Aeronautical and astronautical		23															
Chemical		36															
Civil	134	651	52		13					19	34			16			
Electrical and electronic	2 576	1 860	304	20	64	14			23	40	85	20		24			
Industrial	46	146	108	21	64	19	48		18	21	308	83	205	20			
Mechanical	125	265	113		54	18			42	21	172	68	19	85			
Other engineers	94	582	888	39		40	20			145	172						
Lawyers and judges	18																
Librarians, archivists, and curators	438	48			18					32	123	42		81			
Mathematical specialists	22	40	26		17		20				19			19			
Life and physical scientists	63	207	156		19					100	424	46	511	67			
Chemists	45	273	55		19					59	53			53			
Operations and systems researchers and analysts	76	99	131		21	15				27	27			27			
Personnel and labor relations workers	80	137	339	158	700	290	88	119	419	251	580	288	218	70			
Physicians, dentists, and related practitioners			22							6 131	897	455	341	101			
Dentists																	
Pharmacists																	
Physicians, medical and osteopathic																	
Other related practitioners																	
Registered nurses, dietitians, and therapists			25		24					45	24			24			
Health technologists and technicians		45	84							96							
Religious workers		64	216		68		20			17							
Social scientists	123	25								21		256	134	78			
Social and recreation workers	15									20				77			
Teachers, college and university	46	42	138														
Teachers, except college and university	4 633	4 797	2 673	151	314	18	21		103	1 855	30		30				
Engineering and science technicians	717	2 561	1 364	19	144	51	105	64	83	1 128	849	60	45	444			
Draftsmen	3 545	470	618		110					698	549	20	15	44			
Electrical and electronic engineering technicians		59	88	22	22					134	79						
Industrial and mechanical engineering technicians		1 707	603	110	38	78	27		20	18	221	17	24	180			
Other engineering and science technicians										278							
Technicians, exc. health, and eng. and science	922	256	361	17	24		177			55	128	19	89	20			
Airplane pilots		27					22				20			20			
Embalmers		114	41				54										
Radio operators and air traffic controllers	282	115	320	17	24					55	25		25				
Other technicians, exc. health, and eng. and science	11 142	371	674	37	743	181	58	158	2 967	1 454	83	19	64	288			
Writers, artists, and entertainers	51	244	1 010	141	102	379	84			1 600	1 896	347	37	1 512			
Other professional, technical, and kindred workers																	
<b>Managers and administrators, except farm</b>	<b>2 985</b>	<b>843</b>	<b>16 263</b>	<b>3 945</b>	<b>22 877</b>	<b>24 874</b>	<b>22 429</b>	<b>7 541</b>	<b>23 414</b>	<b>24 927</b>	<b>29 871</b>	<b>21 224</b>	<b>2 217</b>	<b>6 430</b>			
Buyers, purchasing agents, and sales managers	211	149	4 905	1 815	10 536	8 535	2 759	2 759	541	4 037	741	184	287	270			
Other managers and administrators	2 774	694	11 358	1 430	12 341	16 339	21 493	4 782	22 873	20 890	29 130	21 040	1 930	6 160			
Salaries	2 734	694	10 464	1 396	12 225	14 933	17 303	4 530	20 930	17 643	28 661	21 040	1 909	5 712			
Self-employed	40		894	34	116	1 386	4 188	252	1 943	3 247	4 659	21	21	448			
<b>Sales workers</b>	<b>1 884</b>	<b>745</b>	<b>51 309</b>	<b>7 637</b>	<b>70 544</b>	<b>37 179</b>	<b>39 382</b>	<b>57 503</b>	<b>8 665</b>	<b>129 055</b>	<b>46 680</b>	<b>992</b>	<b>31 924</b>	<b>13 764</b>			
Newsboys			58		1 547		56	36		332							
Other specified sales workers	938	105	3 550	193	4 719	479	39 326	57 467	8 665	20 638	46 212	611	31 924	13 677			
Salesmen and sales clerks, n.e.c.	946	640	47 701	7 444	64 278	36 700				108 085		381		87			

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Transportation, communication, and other public utilities—Cont.		Wholesale trade		Retail trade				Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
Male, employed—Continued														
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>														
Bookkeepers	11 341	15 809	54 359	7 788	32 666	83 181	9 149	6 928	11 547	47 739	98 559	52 040	23 805	22 714
Cashiers	335	882	3 996	896	8 564	1 143	1 947	773	1 028	2 737	8 788	5 013	1 206	2 569
Clerical and kindred workers	80	125	728	397	3 665	48 246	332	500	7 570	5 539	440	39	—	401
Estimators and investigators, n.e.c.	380	559	517	37	1 006	246	443	38	109	444	4 569	3 524	534	511
Office machine operators	761	1 038	2 386	645	1 290	554	244	136	241	719	13 721	8 165	4 206	1 330
Secretaries, stenographers, and typists	844	447	1 765	182	2 218	1 533	241	109	40	1 381	3 568	1 057	1 243	1 268
Shipping and receiving clerks	151	134	15 915	1 627	6 071	1 482	721	1 163	81	4 603	1 849	14	206	838
Stock clerks and storekeepers	1 026	824	10 876	1 279	12 895	23 469	1 909	3 127	1 902	21 309	1 849	33 870	15 737	15 562
Other clerical and kindred workers	7 764	11 780	18 186	2 705	6 509	7 849	3 312	1 082	1 902	21 997	65 169	33 870	15 737	15 562
<b>Craftsman and kindred workers</b>														
Construction craftsmen	62 010	30 857	36 362	3 849	11 973	8 321	87 696	1 312	2 075	58 976	7 864	1 308	1 095	5 461
Brickmasons and stonemasons	1 069	6 356	3 315	344	170 353	8 181	1 156	39	279	7 330	3 085	98	90	2 897
Carpenters	42	212	774	71	175	88	481	39	120	2 316	1 009	16	37	993
Electricians	309	3 560	633	41	3 700	38	30	—	—	526	170	26	—	170
Excavating, grading and road machine operators	94	745	353	189	409	55	55	—	113	980	1 362	37	37	1 288
Painters (const. & maint.), plasterers, & paperhangers	19	274	696	24	1 715	—	90	—	22	1 722	269	19	—	250
Plumbers and pipefitters	605	1 506	587	24	1 834	—	—	—	24	1 257	81	—	16	65
Other construction craftsmen	—	21	235	—	1 320	—	—	—	365	1 778	718	412	86	220
Foremen, n.e.c.	403	728	4 239	1 037	6 531	1 307	964	174	471	23 450	1 284	175	135	974
Mechanics and repairmen	1 699	6 647	17 924	1 227	114 479	791	83 038	324	471	23 450	1 284	175	135	974
Automobile, including body	263	886	4 296	500	84 366	310	79 274	131	209	1 573	16	—	—	16
Metal craftsmen, except mechanics	54	277	1 529	105	20	101	429	22	51	998	69	—	19	50
Machinists, job setters, and toolmakers	35	149	960	83	20	101	429	22	21	342	69	—	19	50
Blacksmiths, forgemen, hammermen, boiler-makers	19	128	101	22	73	—	—	—	—	73	—	—	—	—
Other metal craftsmen	—	—	468	—	613	—	—	—	30	583	—	—	—	—
Printing craftsmen	269	246	779	153	880	189	22	66	23	233	1 223	560	556	107
Stationary engineers and power station operators	22	4 209	324	31	284	20	128	—	886	66	214	22	209	192
Other craftsmen and kindred workers	58 494	12 414	8 252	952	37 311	5 732	1 959	687	—	25 121	1 271	41	209	1 021
<b>Operatives, except transport</b>														
Assemblers	1 549	6 931	37 051	12 999	4 549	39 593	238 604	1 410	2 651	31 591	1 723	530	339	854
Checkers, examiners, and inspectors, manufacturing	106	96	1 783	201	51	48	440	13	26	1 203	84	—	12	72
Filers, polishers, sanders, and buffers	—	—	291	17	45	—	2 027	—	—	508	—	—	—	—
Painters, manufactured articles	—	23	1 444	18	17	—	1 615	—	—	173	—	—	—	45
Precision machine operatives	21	39	410	18	38	—	59	—	25	275	23	—	—	23
Drill press operatives	—	—	137	18	77	—	21	—	—	56	—	—	—	—
Grinding machine operatives	—	—	40	18	—	—	19	—	—	18	—	—	—	—
Lathe and milling machine operatives	21	22	209	—	—	—	19	—	25	98	23	—	—	23
Precision machine operatives, n.e.c.	16	17	24	—	38	—	—	—	—	103	23	—	—	—
Punch and stamping press operatives	—	—	131	—	142	—	20	24	—	98	—	—	—	—
Solders	—	—	19	—	—	25	47	—	18	30	—	—	—	—
Stationary firemen	—	831	177	19	66	—	—	—	—	19	—	—	—	62
Welders and flame-cutters	34	785	1 910	60	25	18	148	38	—	914	40	21	24	40
Other specified operatives	261	1 205	19 799	8 797	3 561	33 657	229 682	1 110	1 794	23 396	461	102	34	325
Machine operatives, miscellaneous specified	326	477	4 469	1 498	242	1 171	1 177	39	529	1 311	427	75	57	95
Machine operatives, not specified	56	277	2 412	668	47	230	120	52	33	468	267	90	142	35
Miscellaneous operatives	651	2 402	4 649	1 511	375	3 682	2 521	87	196	2 069	369	191	70	108
Not specified operatives	78	196	1 396	210	121	742	748	47	30	1 127	100	51	—	49
<b>Transport equipment operatives</b>														
Deliverymen and roulemen	1 278	5 211	55 760	21 203	102 264	12 108	9 945	826	7 725	64 122	1 520	363	181	976
Fork lift and low motor operatives	665	404	28 922	11 840	68 841	9 254	4 864	654	5 918	42 280	628	151	137	340
Truck drivers	80	104	4 257	1 711	4 412	1 530	3 233	24	21	937	58	21	21	37
Other transport equipment operatives	310	4 595	19 803	7 437	21 861	1 057	3 231	148	832	14 623	178	17	23	161
	223	108	2 778	215	9 515	354	1 727	—	954	6 282	656	195	—	438



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text

United States	Transportation, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
1 787	24 107	20 955	63 042	383 447	37 732	244 818	18 610	6 794	3 785	71 708	9 452	672	381	8 399
260	4 151	20	662	2 453	50	61	2 433	—	61	1 848	687	—	—	687
709	12 485	15 566	44 153	321 118	36 504	238 536	2 661	6 484	1 934	34 997	1 120	441	234	445
204	192	546	1 157	12 790	16	456	11 957	—	77	284	—	—	—	—
56	572	1 087	2 732	27 316	342	2 732	428	27	86	23 701	5 146	74	17	5 055
183	3 610	683	2 739	2 972	33	147	2 023	—	144	2 445	883	—	18	865
375	3 097	3 053	8 564	16 798	787	2 884	2 928	283	1 483	8 433	1 616	157	112	1 347
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 709	3 178	2 748	6 976	369 833	13 829	13 010	3 675	2 264	295 859	41 196	15 517	2 332	1 359	11 826
1 435	2 836	1 857	4 739	27 342	6 634	5 799	3 210	1 906	11 540	8 253	11 358	1 691	963	8 704
66	—	436	598	297 860	5 520	6 488	219	1 144	282 394	3 095	682	163	123	399
—	—	49	49	187	—	—	22	—	101	64	97	41	56	718
—	54	58	148	2 359	402	73	37	120	1 515	212	789	16	55	—
90	112	213	404	1 809	1 037	162	19	94	274	223	935	381	162	392
98	158	164	1 038	30 276	236	488	168	—	35	29 349	1 653	40	—	1 673
207 802	34 584	27 777	167 742	1 487 158	379 470	198 215	45 089	107 075	407 838	349 471	619 366	280 276	238 349	100 741
6 720	2 102	638	4 892	16 122	5 244	770	564	633	2 619	6 272	16 503	6 478	7 520	2 505
935	601	193	1 370	3 102	1 410	342	293	273	180	604	6 198	2 882	2 730	586
105	339	94	888	534	245	44	73	20	—	152	3 198	1 306	1 798	94
80	65	—	100	52	—	—	—	—	24	28	95	43	52	—
—	45	26	117	47	29	—	—	—	—	22	167	67	36	64
—	—	19	75	1 429	64	21	—	—	—	18	19	—	19	—
42	20	19	392	321	77	—	34	—	90	38	128	—	38	—
78	94	72	119	216	23	—	—	—	15	56	102	70	38	20
40	20	17	17	122	—	—	—	—	—	184	290	167	69	54
84	44	143	143	944	211	—	—	—	—	733	145	84	—	61
1 513	316	392	392	306	68	—	38	—	—	200	41	41	—	—
—	58	38	80	80	40	—	—	—	—	245	23	23	139	83
1 943	42	20	800	6 445	2 370	26	19	252	2 179	1 649	200	24	155	21
1 000	438	100	815	2 500	837	260	107	88	131	1 077	1 101	528	391	182
1 677	131	489	3 088	32 137	12 104	2 639	848	4 455	4 029	8 062	4 536	1 243	2 007	1 286
84	24	157	1 320	13 043	8 197	38	38	1 845	92	2 394	13 333	7 894	1 810	3 629
1 593	107	332	1 768	19 094	3 907	2 162	810	2 610	3 937	5 668	13 013	160	740	90
1 593	107	285	1 524	16 060	3 793	1 463	725	2 385	3 061	7 734	12 688	7 734	1 740	3 539
—	—	47	244	3 034	114	699	85	225	876	1 035	3 325	7 734	1 740	3 214
2 779	256	1 059	7 836	446 721	196 791	41 843	1 853	65 380	7 658	133 196	16 449	869	10 244	5 336
192 868	30 237	17 043	126 808	484 187	134 265	119 500	34 220	29 861	32 938	133 403	564 082	262 598	217 291	84 193
1 175	971	405	4 974	2 897	1 282	208	509	326	15	1 037	1 454	408	991	55
4 429	2 317	3 551	16 742	53 829	13 083	4 891	10 000	5 161	2 227	18 467	57 023	40 220	11 289	5 516
961	1 494	657	1 583	213 097	47 743	99 842	2 467	10 932	24 511	27 562	7 602	5 026	1 169	1 407
2 998	138	272	2 400	6 635	4 044	424	155	402	762	848	4 466	148	126	1 192
5 216	1 418	489	5 408	11 629	5 252	403	1 510	1 025	93	3 346	38 187	10 567	25 124	2 496
5 717	2 419	973	9 278	11 322	5 130	1 673	1 009	1 659	373	2 278	38 674	23 808	13 185	1 681
197	256	74	1 287	1 654	758	1 78	199	164	—	455	11 852	11 356	416	80
4 085	1 719	1 370	6 094	6 074	2 584	905	556	500	172	1 357	19 907	8 145	10 527	1 235

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Communications	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>														
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>														
<b>Female, employed—Continued</b>														
<b>Clerical and kindred workers—Continued</b>														
Payroll and timekeeping clerks	1 017	316	562	70	2 217	274	183	184	91	345	1 708	736	749	223
Receptionists	1 417	548	3 956	383	5 651	214	974	204	228	2 933	9 354	3 797	2 766	2 791
Secretaries	11 931	7 585	41 915	5 173	49 463	3 648	9 154	2 641	1 954	21 785	132 785	47 230	58 258	27 297
Statistical clerks	4 971	1 781	1 178	237	2 789	84	353	125	54	641	14 147	1 989	11 065	1 481
stenographers	1 484	1 373	1 046	96	2 781	77	182	21	—	346	5 012	1 912	2 410	947
Telephone operators	104 514	501	1 046	221	5 381	107	1 413	316	427	814	3 736	1 349	1 440	10 027
Typists	14 122	4 673	14 219	1 349	21 558	1 165	2 399	1 175	565	8 204	82 345	27 113	45 205	29 987
Other clerical and kindred workers	32 916	5 703	22 776	2 187	95 938	6 490	3 892	6 470	1 638	44 777	171 587	98 295	43 305	29 987
<b>Craftsmen and kindred workers</b>	2 458	762	2 503	426	15 673	1 485	1 340	972	446	8 460	1 296	398	558	340
Foremen, n.e.c.	310	37	349	99	1 474	65	1 49	206	84	368	475	150	222	103
Mechanics and repairmen	122	60	409	16	1 705	19	1 149	39	21	390	78	44	16	18
Printing craftsmen	43	20	150	21	371	35	21	—	—	113	298	147	151	—
<b>Operatives, except transport</b>	634	304	15 084	6 266	29 826	10 304	4 883	2 853	1 238	6 356	1 758	928	511	319
Assemblers	82	73	1 793	23	534	—	—	24	—	510	108	56	20	32
Boiling and conning operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	20	15	4 467	2 474	12 623	7 516	91	637	603	944	48	—	19	29
Produce graders and packers, exc. factory and farm	—	—	1 835	1 797	42	42	—	—	—	23	18	—	18	—
Mixing operatives	—	—	108	—	725	51	—	285	23	267	—	—	—	—
Sewers and stitchers	—	—	3 179	615	11 900	1 364	4 725	1 495	63	3 673	359	138	18	203
Other specified operatives	232	40	1 388	375	1 217	25	23	74	292	361	315	238	259	18
Machine operatives, miscellaneous specified	31	41	571	135	378	95	22	25	22	112	527	381	128	18
Machine operatives, not specified	56	41	1 298	712	1 572	688	22	218	148	243	164	115	49	19
Miscellaneous operatives	213	26	422	74	812	302	—	95	87	223	19	—	—	—
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Transport equipment operatives</b>	80	102	1 294	466	2 550	235	258	—	463	1 353	175	84	29	62
Deliverymen and roulemen	80	—	798	291	1 809	183	97	—	251	1 037	69	—	29	40
<b>Laborers, except farm</b>	105	386	4 399	861	22 853	10 754	509	1 499	544	5 053	533	181	49	303
<b>Farm workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household <sup>1</sup>	481	304	1 838	529	437 089	10 685	614	1 422	357 903	47 316	5 237	846	337	4 054
Cleaning service workers	158	186	4 374	54	4 374	281	270	222	2 381	716	2 544	601	224	1 719
Cleaners and charwomen	27	11	197	36	1 665	87	153	142	394	415	374	223	152	999
Food service workers	76	41	564	435	389 703	9 765	163	295	354 089	11 042	771	51	71	649
Waiters and food counter workers	57	41	314	229	319 291	8 113	116	142	288 719	10 147	592	22	46	524
Health service workers	150	23	20	—	378	40	118	—	719	173	106	23	20	63
Personal service workers	150	34	477	—	7 543	129	38	831	1 309	2 035	790	154	22	614
Protective service workers	29	—	1 099	—	—	—	—	38	77	—	23	—	—	23
<b>Private household workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration								
	Business services			Other personal services, including private household			Hospitals			Health services, except hospitals			Educational and kindred services		Welfare, religious, and nonprofit organizations		Other professional and related services		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Total	Hospitals	Health services, except hospitals	Government		Private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration				
Male, employed	125 478	118 302	66 973	62 622	111 178	122 837	853 636	123 782	34 690	298 683	168 705	73 813	153 963	257 905					
Professional, technical, and kindred workers	25 995	732	2 166	3 024	6 359	30 172	391 298	27 702	7 026	160 254	71 433	31 797	93 097	39 351					
Accountants	1 703	20	55	1 097	185	213	20 945	586	210	782	422	196	18 738	3 282					
Architects	46	-	-	-	-	-	1 567	-	-	92	22	21	1 432	271					
Computer specialists	4 680	-	64	46	72	47	7 143	480	91	2 693	1 847	142	5 890	1 787					
Engineers	2 152	-	212	-	-	130	7 441	249	267	7 710	414	211	5 590	4 543					
Aeronautical and astronautical	19	-	-	-	-	-	168	-	-	-	-	-	168	239					
Chemical	150	-	-	-	-	-	256	-	19	20	43	-	174	147					
Civil	38	-	-	-	-	-	268	-	203	145	27	-	1 951	1 334					
Electrical and electronic	752	-	50	-	-	113	2 368	42	42	241	245	18	927	1 183					
Industrial	164	-	-	-	-	-	1 485	73	-	20	245	69	284	317					
Mechanical	319	-	43	-	-	-	446	70	-	70	38	44	612	365					
Other engineers	710	-	119	-	-	17	1 954	80	45	214	61	80	1 474	958					
Lawyers and judges	25	-	-	-	-	20	3 389	-	-	59	108	139	3 083	989					
Librarians, archivists, and curators	59	-	-	-	-	-	7 053	-	-	3 551	3 350	59	93	138					
Mathematical specialists	147	-	-	-	-	-	675	26	85	197	95	17	255	430					
Life and physical scientists	532	-	25	-	18	16	3 532	268	167	1 619	455	18	1 005	998					
Chemists	242	-	25	-	-	-	1 368	157	-	520	176	-	515	212					
Operations and systems researchers and analysts	164	-	-	-	-	-	762	-	-	53	46	45	18	122					
Personnel and labor relations workers	2 512	107	-	-	40	142	1 070	174	93	313	127	221	97	498					
Physicians, dentists, and related practitioners	18	-	-	-	-	-	4 329	3 131	819	187	172	34	31	1 126					
Dentists	-	-	-	-	-	-	321	23	227	40	40	-	-	-					
Pharmacists	-	-	-	-	-	-	1 521	1 440	303	86	45	34	-	44					
Physicians, medical and osteopathic	18	-	-	-	-	-	2 110	1 645	289	65	42	-	-	61					
Other related practitioners	-	-	-	-	-	-	377	23	-	-	-	-	-	21					
Registered nurses, dietitians, and therapists	43	-	-	-	93	-	9 400	7 350	1 170	476	215	168	21	425					
Health technologists and technicians	93	-	-	-	44	-	18 455	12 911	2 050	1 945	1 337	88	124	243					
Religious workers	786	-	-	-	17	-	11 234	61	34	22	125	10 992	257	71					
Social scientists	786	-	-	-	18	39	1 763	398	210	601	184	113	257	965					
Social and recreation workers	-	-	-	-	-	2 819	14 632	552	530	352	859	11 306	53	4 393					
Teachers, college and university	78	417	-	-	196	501	36 363	145	184	23 469	12 894	796	74	446					
Teachers, except college and university	6 881	77	367	81	220	397	133 194	533	455	98 252	33 743	431	23 813	7 902					
Engineering and science technicians	2 967	53	141	41	160	242	37 696	40	19	7 430	5 034	230	15 928	2 716					
Draftsmen	44	24	162	20	-	-	17 707	71	19	1 143	347	24	450	969					
Electrical and electronic engineering technicians	3 261	-	64	20	-	155	17 941	62	25	886	536	29	20	39					
Industrial and mechanical engineering technicians	318	40	35	23	1 027	38	2 363	44	128	906	660	122	503	4 310					
Other engineering and science technicians	23	-	-	-	29	-	344	-	21	24	299	-	-	134					
Technicians, exc. health, and eng. and science	57	-	-	-	998	-	20	-	-	304	14	-	-	-					
Airplane pilots	238	40	35	23	-	38	1 578	44	107	558	347	103	503	3 483					
Embalmers	4 488	45	116	726	3 442	22 768	19 937	230	123	4 424	3 406	6	5 585	673					
Radio operators and air traffic controllers	1 198	26	1 292	109	987	2 992	48 955	584	410	11 121	5 896	509	30 435	5 049					
Other technicians, exc. health, and eng. and science	4 518	3 194	1 311	2 773	5 372	6 900	14 532	1 283	680	3 444	2 941	3 458	2 726	10 416					
Managers and administrators, except farm	493	127	120	116	154	73	539	75	75	89	103	21	101	462					
Buyers, purchasing agents, and sales managers	4 025	3 067	1 191	2 657	5 218	6 827	13 993	1 133	605	3 355	2 838	3 457	2 625	9 934					
Other managers and administrators	3 664	2 466	1 048	2 494	4 682	6 710	13 728	1 133	583	3 355	2 770	3 391	2 496	9 954					
Salaried	361	601	143	163	536	717	265	-	22	-	68	46	129	-					
Self-employed	4 304	828	1 000	163	1 529	2 662	3 731	165	95	707	1 265	689	810	517					
Sales workers	1 907	25	385	-	83	189	710	66	51	61	102	84	346	185					
Other specified sales workers	2 397	803	615	163	1 446	2 473	3 021	99	44	646	1 163	605	464	332					
Salesmen and sales clerks, n.e.c.	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public admin- tration		
	Educational and kindred services					Welfare, religious, nonprofit organizations							
	Government		Private			Health services, except hospitals		Hospitals					
Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Total	Hospitals	Health services, except hospitals	Government	Private	Other professional and related services		
22 369	4 312	3 886	8 411	6 138	6 859	115 203	11 531	2 290	43 472	29 923	7 078	20 909	79 910
1 109	617	219	870	364	460	4 728	443	101	688	649	673	2 174	1 302
83	595	25	350	281	2 325	2 497	383	—	1 019	1 011	41	43	282
1 556	345	85	22	40	—	426	68	56	19	83	158	42	741
4 771	84	111	88	181	59	9 077	1 156	341	2 642	2 269	546	2 380	2 890
890	88	189	19	383	132	8 461	886	44	2 873	2 461	973	927	4 273
1 889	514	264	189	144	229	1 657	346	272	1 577	981	167	267	488
11 072	1 995	2 796	6 833	4 706	3 499	4 987	1 618	1 392	34 266	22 024	4 256	14 801	2 210
12 026	62 504	34 865	1 888	5 058	8 576	28 340	2 811	4 331	8 112	5 639	2 763	4 684	19 138
—	702	1 047	799	1 763	707	7 544	1 198	449	2 050	1 972	1 458	4 417	3 587
—	22	22	11	141	185	285	21	41	125	18	80	82	397
156	26	116	264	304	127	2 230	149	112	539	742	606	132	1 421
362	54	577	100	43	95	1 744	404	65	478	475	190	68	632
80	21	55	47	23	264	365	324	58	164	37	38	70	738
411	601	260	335	1 147	264	2 007	271	173	501	584	355	20	289
439	—	17	42	25	36	783	29	—	206	116	19	45	48
98	—	—	—	80	312	1 238	29	72	37	312	191	238	600
5 469	59 407	22 870	162	412	312	1 220	80	239	2 439	1 565	203	723	9 244
516	58 735	1 037	422	1 036	3 494	5 757	588	41	657	387	37	29	2 368
—	—	—	17	214	163	1 188	37	—	—	—	—	—	—
—	—	—	—	44	117	952	135	—	353	79	79	307	1 017
315	110	1 251	43	19	96	511	70	—	203	31	—	207	476
201	110	579	20	25	21	164	46	—	64	16	38	100	89
—	—	522	23	25	21	277	19	—	86	31	41	263	452
114	—	150	—	—	—	2 748	248	—	1 100	612	448	98	991
805	—	—	39	21	49	844	330	—	232	123	42	261	261
70	19	51	155	—	—	9 267	232	3 475	1 603	977	342	638	3 438
3 017	1 799	9 344	268	1 782	3 897	19 729	2 654	1 057	5 570	3 230	1 241	5 977	6 068
11 322	14 959	11 873	814	14 768	1 746	561	—	121	79	161	84	116	146
344	113	346	—	78	74	49	—	—	—	—	—	—	20
84	143	206	14	19	19	42	—	49	—	—	—	—	—
39	383	62	—	—	—	282	—	—	63	41	18	160	140
184	43	476	—	—	—	18	—	—	—	—	18	—	63
43	—	—	—	—	—	41	—	—	—	—	—	41	—
52	25	377	—	—	—	184	—	—	63	21	—	100	20
19	18	99	—	—	—	39	—	—	—	20	—	19	57
91	—	49	—	—	—	44	—	—	—	28	18	—	—
—	—	—	—	—	—	730	188	—	44	105	19	—	26
51	—	—	—	24	—	725	18	26	339	339	49	53	435
292	620	5 112	14	65	—	10 126	2 257	15	284	874	98	255	420
4 059	6 529	3 217	599	13 925	1 018	1 176	21	438	1 463	303	532	4 562	2 869
874	1 625	307	36	227	134	1 176	21	78	420	303	83	271	436
575	68	197	25	48	77	556	24	34	199	179	28	92	403
4 570	2 203	1 731	104	216	334	4 577	104	231	2 439	1 259	316	228	996
209	232	170	36	166	90	815	42	65	240	183	45	240	177
5 074	9 270	2 062	1 144	10 848	1 604	9 078	1 361	806	3 058	1 255	1 013	1 585	5 500
2 972	638	1 953	84	7 143	1 533	2 929	491	504	985	347	118	484	284
1 148	121	17	60	59	24	112	—	22	18	26	26	20	676
1 346	2 082	660	106	1 515	273	2 005	207	122	582	280	596	218	3 074
608	6 429	1 232	894	2 131	1 154	4 032	663	158	1 473	602	273	863	1 466

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Professional and related services										Public administration	
	Total			Educational and kindred services		Welfare, religious, and nonprofit organizations		Other professional and related services		Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Government			Private
6 904	20 936	4 892	2 767	23 228	13 795	2 954	1 448	8 128	6 109	3 562	3 010	19 894
271	252	380	251	443	179	89	19	1 504	405	279	95	9 952
2 461	244	491	69	1 296	821	1 084	94	1 544	1 234	749	387	8 352
501	19 060	330	25	352	80	113	121	254	293	25	28	2 115
653	223	2 229	1 286	16 054	10 021	1 229	709	3 534	2 816	1 186	1 917	7 544
456	77	620	162	707	34	34	19	367	63	100	76	438
2 562	1 080	842	974	4 376	2 181	405	486	1 812	1 298	1 223	507	2 393
32 966	1 567	4 018	41 638	37 878	50 573	73 321	16 957	65 938	46 921	22 212	21 165	77 171
24 806	1 401	707	9 489	4 526	7 520	15 677	4 446	39 808	21 710	11 739	1 920	9 296
459	42	104	23 264	191	11 553	15 078	4 349	15 158	18 214	5 768	217	1 544
26	—	—	76	230	92	40 964	7 524	316	112	126	40	483
352	19	21	8 528	18 968	26 617	687	366	8 122	5 194	4 011	286	2 697
6 288	69	40	281	118	969	677	148	1 738	1 341	258	104	5 355
1 035	36	3 146	—	13 845	3 822	238	124	1 776	350	310	18 598	57 736
140 210	14 714	22 815	67 153	397 661	68 778	479 537	232 107	561 756	255 292	106 957	236 690	251 897
14 740	182	1 278	1 841	4 137	14 564	167 923	32 979	313 611	104 731	33 545	53 322	21 038
1 464	122	69	217	145	100	5 638	165	844	353	335	3 470	3 040
2 218	—	96	—	31	18	3 516	99	1 206	701	133	1 024	1 674
116	—	—	—	—	15	514	41	56	44	—	361	274
83	—	—	—	—	18	16 374	82	10 701	4 951	197	384	284
141	—	—	41	26	15	2 864	386	478	377	—	479	491
297	—	64	62	766	20	1 102	1 015	63	53	—	—	63
59	—	—	—	17	19	136 986	15 458	4 517	1 227	658	258	664
262	—	—	18	16	23	59 621	12 379	2 650	1 253	284	231	78
72	—	—	723	55	1 886	2 439	946	1 659	658	21 519	204	3 825
71	36	—	95	588	3 149	1 148	420	259 593	75 356	1 500	113	639
1 321	24	33	—	19	37	8 727	526	3 307	2 431	157	1 727	1 219
58	—	—	—	44	39	1 089	20	304	271	116	90	1 445
3 546	—	66	562	1 846	7 886	13 088	154	2 445	1 975	5 387	2 855	1 358
5 032	—	950	123	584	1 333	88 119	1 698	25 484	14 927	3 096	41 993	5 693
1 994	255	378	902	1 846	1 651	9 131	1 216	1 706	1 763	1 786	1 901	4 870
349	—	—	902	1 846	1 651	8 726	70	1 575	1 646	1 737	1 863	4 709
1 645	255	378	700	1 390	1 481	8 464	1 129	1 575	1 545	1 697	1 819	4 709
1 636	187	332	202	456	170	242	40	—	101	40	44	—
9	68	46	—	—	—	—	—	—	—	—	—	—
4 585	276	958	379	5 174	7 480	5 248	288	956	1 238	879	1 136	679
105 697	10 947	15 605	16 948	40 800	22 409	675 968	107 153	199 901	105 352	57 261	140 037	213 186
5 760	27	83	57	157	79	2 430	366	167	93	45	234	252
319	2 030	1 095	1 508	2 250	1 229	25 741	4 887	4 142	2 062	2 733	7 921	5 510
701	973	132	2 316	3 719	10 320	9 100	179	3 168	2 610	2 572	318	1 012
6 976	1 752	70	4 426	14 947	524	3 711	19	1 912	1 129	145	89	2 005
10 330	359	393	112	669	294	27 269	6 465	8 310	4 254	2 259	2 856	12 145
404	185	25	271	529	155	17 970	2 863	4 971	2 567	1 356	5 635	13 231
7 572	123	152	126	263	114	12 568	437	3 215	1 665	953	4 523	10 721

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services
							Hospitals	Health services, except hospitals	Government			
<b>PERSONS 16 TO 24 YEARS OLD—Continued</b>												
<b>Female, employed—Continued</b>												
<b>Clerical and kindred workers—Continued</b>												
Payroll and timekeeping clerks	439	39	59	163	135	103	706	57	287	122	557	1 739
Receptionists	5 340	326	323	1 160	3 914	5 018	11 962	20 244	8 660	3 544	4 388	2 487
Secretaries	33 926	2 306	2 700	3 106	3 926	5 018	33 550	24 480	63 683	25 298	62 739	51 514
Statistical clerks	1 214	192	130	143	95	102	2 846	427	1 227	396	626	2 949
Stenographers	1 464	12	63	48	76	88	1 030	686	2 824	1 523	1 236	10 658
Telephone operators	3 924	87	88	1 640	352	100	3 005	539	3 059	636	3 384	1 429
Typists	15 771	746	848	808	1 851	929	13 005	5 981	32 664	12 351	8 666	49 994
Other clerical and kindred workers	18 883	1 713	9 396	1 190	8 580	2 672	22 590	5 587	65 576	6 240	44 482	60 661
<b>Craftsmen and kindred workers</b>												
Foremen, n.e.c.	1 153	824	1 086	235	820	341	340	2 379	987	318	821	1 037
Mechanics and repairmen	3 275	804	18	85	113	34	101	99	74	21	89	92
Printing craftsmen	1 440	804	349	16	113	48	30	39	200	7	38	569
	333		42			18		37	402	151	47	61
<b>Operatives, except transport</b>												
Assemblers	5 478	607	1 231	894	29 802	594	3 293	1 804	2 970	814	2 071	1 340
Bottling and canning operatives	630	43	58		120	19	38	21	74	23	125	1 158
Checkers, examiners, inspectors, manufacturing	19							16				
Graders and sorters, manufacturing	761											
Packers and wrappers, except produce			16		574	20	39	131	117	59	127	184
Produce graders and packers, exc. factory and farm												
Mixing operatives												
Sewers and stitchers			65		626		24		422	36	24	48
Other specified operatives	2 647	407	947	820	27 223	405	2 738	1 469	803	320	1 320	344
Machine operatives, miscellaneous specified	514	24	55	44	74	56	77	16	145	122	133	187
Machine operatives, not specified	368	17	23		301	13	33	116	55	34	70	163
Miscellaneous operatives	294	122	67	30	390	42	265	35	1 529	195	133	135
Not specified operatives	245					39	80		39	25	139	141
<b>Transport equipment operatives</b>												
Deliverymen and routemen	162	320	47		504	130	268	150	217	69	70	155
	100	48			386	47	158			20	12	20
<b>Laborers, except farm</b>												
	489	1 147	330	256	2 772	969	1 279	339	865	375	507	1 568
<b>Farm workers</b>												
Service workers, except private household <sup>1</sup>	5 912	156	1 902	45 698	159 310	20 640	197 314	127 145	40 543	11 910	36 825	8 004
Cleaning service workers	3 768	53	195	20 587	2 545	570	7 267	4 028	5 560	2 195	422	1 142
Cleaners and chorwomen	1 602	55	20	2 278	996	290	5 164	2 594	21 583	2 744	134	395
Food service workers	211	37	114	15 834	370	9 370	19 617	12 581	21 558	2 844	212	922
Waiters and food counter workers	85	37	96	11 281	335	7 297	28 014	2 816	10 180	1 561	83	445
Health service workers	177	50	22	281	61	123	167 778	108 902	1 590	816	367	765
Personal service workers	1 299		223	8 953	133 097	8 771	1 815	1 142	11 426	5 899	610	1 435
Protective service workers	347			22			73	64	383	30	18	2 440
<b>Private household workers</b>												

<sup>1</sup>Includes allocated cases not shown separately.







Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text

	Total		Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing																	
	Total	Male, employed—Continued	Total	Special trade contractors	Total	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment				
<b>United States</b>																										
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>																										
<b>Male, employed—Continued</b>																										
<b>Laborers, except farm</b>																										
Construction laborers	1 057 250	55 392	239 094	47 293	10 388	58 574	4 844	19 014	34 608	6 672	16 099	14 331	10 312	17 381												
Freight, stock, and material handlers	234 464	372	204 103	43 858	1 348	1 441	2 529	8 675	2 136	467	536	411	108	244												
Vehicle washers and equipment cleaners	368 325	744	5 629	2 412	6 239	13 070	2 529	8 675	7 720	1 714	6 783	6 625	6 286	10 185												
Other specified laborers	30 743	49	318	118	164	37 855	87	561	648	236	582	1 158	436	1 550												
Miscellaneous laborers	236 667	51 890	28 695	905	629	37 855	259	589	415	175	657	549	549	612												
Not specified laborers	66 241	1 399	27	—	704	2 652	267	1 391	12 641	2 209	2 678	1 864	376	1 265												
Total	1 202 810	1 938	322	—	1 304	4 388	1 447	6 357	11 048	2 871	4 883	3 724	2 557	3 525												
<b>Farm workers</b>	661 562	661 562	—	—	—	—	—	—	—	—	—	—	—	—												
<b>Service workers, including private household</b>	1 257 553	2 864	11 201	1 837	2 786	2 078	1 130	3 443	6 992	2 133	5 252	7 464	7 707	9 620												
Cleaning service workers	301 347	1 358	5 374	982	1 781	1 348	796	2 660	4 778	1 428	3 899	5 142	5 202	6 238												
Food service workers	214 860	239	405	61	317	—	—	—	—	—	—	—	—	122												
Health service workers	47 276	235	63	63	38	—	—	—	103	62	—	39	84	60												
Personal service workers	142 491	71	719	127	215	—	—	—	100	82	44	133	97	99												
Guards and watchmen	80 812	254	1 128	82	351	418	207	457	3 373	459	728	1 266	1 919	2 485												
Other service workers, including private household	470 767	623	3 512	522	228	267	127	205	607	141	581	573	392	616												
<b>Female, employed</b>	11 157 145	124 984	116 339	49 069	23 831	24 678	48 561	49 553	24 883	21 286	91 502	140 052	330 833	57 012												
<b>Professional, technical, and kindred workers</b>	2 096 671	3 532	5 042	1 246	2 002	545	564	1 550	3 313	850	2 159	7 019	13 021	1 954												
Accountants	72 754	263	1 650	496	573	211	212	204	337	227	644	1 256	1 843	1 954												
Computer specialists	25 396	13	203	20	112	42	23	45	68	—	75	1 815	1 170	325												
Engineers	9 553	73	566	48	90	42	23	45	70	20	110	488	1 170	64												
Librarians, archivists, and curators	35 137	—	21	—	65	17	16	64	42	—	21	86	108	18												
Life and physical scientists	14 328	158	17	—	215	—	—	—	78	—	105	69	162	20												
Physicians, dentists, and related practitioners	22 612	509	138	—	158	—	—	—	20	—	21	25	25	—												
Registered nurses, dietitians, and therapists	416 543	77	—	—	158	19	54	195	385	157	296	594	853	517												
Health technologists and technicians	84 842	86	—	—	20	—	—	—	16	—	—	21	22	—												
Social scientists	10 866	46	—	—	20	15	—	—	—	—	—	91	164	—												
Social and recreation workers	68 091	—	—	—	—	—	—	—	—	—	—	—	—	—												
Teachers, except college and university	903 327	12	22	—	—	—	—	—	—	—	—	—	—	—												
Engineering and science technicians	37 727	302	1 077	150	528	76	47	352	193	115	432	1 037	4 264	170												
Technicians, exc. health, and engineering and science	7 998	87	38	—	18	—	—	—	—	—	—	63	53	18												
Writers, artists, and entertainers	102 208	879	569	386	36	61	22	489	—	45	168	543	1 225	113												
Other professional, technical, and kindred workers	285 269	1 060	691	146	187	104	133	137	124	159	244	800	1 772	147												
<b>Managers and administrators, except farm</b>	379 926	1 264	4 574	1 913	609	504	781	665	332	317	1 248	2 294	2 540	268												
Buyers, purchasing agents, and sales managers	49 201	127	245	78	87	57	146	60	137	136	380	512	759	21												
Other managers and administrators	330 725	1 137	4 329	1 835	522	447	635	605	195	181	868	1 782	1 781	281												
Salaries	270 952	498	3 273	1 452	482	365	579	432	195	181	824	1 714	1 682	197												
Self-employed	59 773	639	1 056	383	40	82	56	173	—	—	44	68	99	50												
<b>Sales workers</b>	648 981	1 204	1 400	572	91	102	294	246	112	94	319	621	836	18												
<b>Clerical and kindred workers</b>	3 836 741	17 588	83 924	34 353	17 628	7 828	10 541	14 958	14 566	8 143	32 833	65 256	71 892	19 189												
Billing clerks	32 118	41	405	237	161	95	235	455	407	188	420	985	937	307												
Bookkeepers	514 046	5 671	24 751	12 610	2 616	2 447	1 957	2 680	1 367	906	5 023	8 407	6 533	1 839												
Cashiers	293 391	61	126	16	126	15	46	64	23	20	18	236	219	111												
Counter clerks, except food	48 546	58	22	22	67	73	192	135	137	122	178	573	952	95												
File clerks	79 528	257	691	170	376	63	190	169	183	183	650	1 848	2 473	591												
Office machine operators	177 724	466	1 624	316	1 249	281	653	779	635	635	2 012	6 285	2 473	591												
Bookkeeping and billing machine operators	23 907	41	269	80	77	51	58	126	38	60	181	383	251	81												
Keypunch operators	112 346	257	1 064	184	1 011	169	357	478	1 135	488	1 308	4 545	4 533	2 033												

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Motor vehicles and motor vehicle equipment		
	Total	Female	Total	Female	Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)		Machinery, except electrical	Electrical machinery, equipment, and supplies
<b>United States</b>															
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>															
<b>Female, employed—Continued</b>															
Clerical and kindred workers—Continued															
Payroll and timekeeping clerks	43 577	185	326	185	2 403	648	367	555	455	573	267	1 568	1 976	1 823	512
Receptionists	96 646	1 589	286	1 589	1 366	452	47	312	331	143	250	704	1 122	937	400
Secretaries	1 072 232	4 434	8 522	4 434	35 784	14 809	2 981	3 303	6 134	5 151	3 337	12 365	27 072	27 490	7 081
Statistical clerks	56 754	205	285	205	81	98	81	185	251	237	65	373	973	1 405	276
stenographers	39 138	222	543	222	848	160	42	94	111	313	177	362	773	1 749	457
Telephone operators	136 721	38	288	38	501	257	21	220	312	296	292	667	955	1 416	266
Typists	305 815	1 186	1 192	1 186	5 012	1 499	306	810	1 032	1 846	783	3 084	6 096	8 085	1 903
Other clerical and kindred workers	1 000 495	3 181	1 674	3 181	10 134	3 059	1 009	1 789	2 050	2 113	918	5 205	7 955	12 653	2 373
Craftsmen and kindred workers	211 792	816	772	816	12 696	7 563	1 775	4 842	1 003	1 711	1 282	3 357	5 346	13 894	2 160
Foremen, n.e.c.	54 388	99	240	99	762	263	296	747	286	280	244	898	1 157	4 470	402
Mechanics and repairmen	20 922	81	77	81	591	250	36	18	138	77	80	264	803	2 843	577
Printing craftsmen	24 846	19	—	19	39	—	62	62	46	—	35	188	293	534	19
Operatives, except transport	1 695 109	4 083	2 098	4 083	2 458	1 686	11 193	30 014	28 925	5 153	9 823	47 518	56 436	221 629	31 077
Assemblers	206 716	46	66	46	265	248	1 206	4 739	1 763	479	1 461	9 883	21 479	91 485	11 999
Bottling and canning operatives	6 344	62	—	62	—	—	553	1 588	8 937	768	382	5 628	7 707	34 554	3 670
Checkers, examiners, inspectors, manufacturing	139 042	—	—	—	—	—	470	805	367	45	83	328	30	454	53
Graders and sorters, manufacturing	9 805	—	—	—	—	—	754	1 489	6 213	298	698	3 549	1 694	5 276	952
Packers and wrappers, except produce	153 132	1 675	43	1 675	19	19	—	—	—	—	—	—	—	—	—
Produce graders and packers, exc. factory and farm	8 061	1 429	—	1 429	—	—	—	—	49	—	—	22	19	155	22
Mixing operatives	1 131	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sewers and stitchers	333 978	47	—	47	63	37	84	6 711	267	30	38	222	279	730	1 582
Other specified operatives	521 687	777	1 949	777	1 670	1 144	2 886	8 957	2 616	1 758	2 606	14 716	14 226	37 826	6 602
Machine operatives, miscellaneous specified	128 837	211	21	211	133	41	2 284	2 534	4 332	544	1 802	4 345	3 879	18 935	2 366
Machine operatives, not specified	70 168	25	19	25	203	92	64 258	1 544	1 129	641	795	5 852	4 229	10 804	2 308
Miscellaneous operatives	78 625	811	—	811	67	67	1 525	1 794	2 221	317	711	1 783	1 752	12 834	870
Not specified operatives	37 583	—	—	—	38	38	488	658	831	253	247	1 133	1 124	8 423	636
Transport equipment operatives	73 825	284	203	284	709	198	274	81	439	89	50	214	69	293	282
Deliverymen and roulemen	8 337	52	—	52	19	—	—	—	25	—	—	—	18	—	44
Laborers, except farm	107 605	7 291	66	7 291	2 924	911	2 235	1 094	1 416	753	504	3 085	1 361	4 712	1 056
Farm workers	86 745	86 745	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household <sup>1</sup>	1 712 789	2 177	362	2 177	2 612	627	222	350	351	854	223	769	1 650	2 016	1 008
Cleaners and charwomen	189 626	837	206	837	1 694	277	160	198	207	514	160	501	772	662	397
Food service workers	78 659	504	59	504	771	151	97	86	54	194	55	252	297	297	111
Waiters and food counter workers	667 341	695	62	695	145	45	26	21	22	234	21	122	552	398	368
Health service workers	386 814	71	41	71	83	21	—	—	—	125	—	46	286	254	78
Personal service workers	392 530	83	55	83	64	—	—	—	—	38	—	44	—	51	22
Protective service workers	276 940	161	—	161	85	25	—	—	81	—	—	18	—	188	38
Private household workers	28 532	19	—	19	41	—	—	—	—	—	42	—	9	122	92
<b>Total</b>	<b>306 961</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Manufacturing—Con.											Transportation, communications, and other public utilities			
	Manufacturing—Con.											Transportation, communications, and other public utilities			
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>															
<b>Male, employed</b>															
307 421	164 186	107 675	440 670	465 715	216 133	105 532	250 046	343 062	388 324	173 363	278 976	1 932 339	206 321	515 047	398 291
107 831	18 342	44 259	70 011	28 296	14 098	6 456	24 012	49 825	94 190	19 456	38 507	193 205	8 114	5 323	52 342
4 559	1 328	1 642	4 397	5 328	1 754	960	3 081	3 486	6 151	2 058	3 994	15 654	1 794	1 592	3 661
—	270	64	69	42	19	—	35	38	36	—	362	8 470	916	422	1 802
5 666	487	2 297	2 297	1 860	1 176	652	1 210	1 705	3 354	996	2 147	54 293	2 035	451	6 381
61 777	7 165	25 049	20 266	6 055	3 876	1 427	5 679	1 595	24 502	6 817	9 363	8 470	2 035	451	6 381
30 540	83	2 842	169	6 055	3 876	1 427	5 679	1 595	24 502	6 817	9 363	8 470	2 035	451	6 381
450	52	411	526	365	109	22	755	21	13 904	974	3 051	6 298	960	39	798
1 635	271	619	279	153	46	22	332	14	1 218	90	358	33 237	302	213	607
10 355	1 689	6 677	3 686	421	186	—	394	212	1 218	358	565	2 540	302	213	607
6 661	1 785	3 315	4 987	2 922	2 403	1 134	1 749	801	3 334	2 022	1 469	6 048	166	139	3 081
7 548	2 768	5 550	3 268	851	540	106	855	242	2 801	968	1 230	5 007	276	42	396
4 568	1 117	5 635	7 331	1 343	592	143	1 575	305	2 520	2 405	2 521	1 881	232	269	308
318	59	86	374	333	66	43	135	199	968	39	593	1 881	232	269	308
—	19	—	—	21	—	—	20	96	33	—	—	156	—	—	26
—	—	—	—	123	37	20	51	110	573	67	106	639	173	22	39
—	—	—	—	3 204	772	21	1 473	171	20 293	1 630	2 982	2 288	23	—	253
—	—	—	—	2 698	751	—	1 775	107	18 159	1 593	2 382	1 175	23	—	117
—	—	—	—	602	435	212	892	717	1 558	569	729	2 073	230	61	774
—	—	—	—	2 278	1 623	460	1 499	1 242	3 116	1 193	1 198	8 664	675	1 237	2 017
—	—	—	—	124	—	20	—	—	656	—	—	96	—	20	59
—	—	—	—	22	—	20	—	—	359	—	—	20	—	20	—
—	—	—	—	40	—	—	—	—	202	—	—	17	—	—	59
—	—	—	—	62	—	—	—	—	95	—	—	59	—	—	—
—	—	—	—	156	—	—	—	—	42	—	19	22	—	—	—
—	—	—	—	18	—	—	—	—	358	17	102	301	28	—	82
—	—	—	—	1 103	147	36	384	643	2 335	483	1 066	2 191	152	22	467
—	—	—	—	—	26	—	—	40	—	38	—	60	—	19	—
—	—	—	—	—	315	34	92	57	169	83	45	1 796	87	42	1 167
—	—	—	—	64	2 490	530	6 187	1 062	23 905	4 060	6 523	25 520	1 204	329	2 146
—	—	—	—	4 447	2 229	262	768	548	2 350	887	1 559	6 323	601	59	402
—	—	—	—	571	231	47	544	178	2 350	80	337	12 490	262	39	958
—	—	—	—	104	47	40	295	58	906	256	168	12 490	262	39	958
—	—	—	—	334	291	40	295	58	906	256	168	12 490	262	39	958
—	—	—	—	3 438	1 923	228	4 946	225	20 105	2 837	4 459	6 427	341	173	651
—	—	—	—	324	150	50	246	88	441	196	224	36 094	42	318	30 655
—	—	—	—	218	66	50	84	—	149	40	149	27 058	—	150	26 659
—	—	—	—	—	—	—	22	—	—	—	—	20	—	20	—
—	—	—	—	—	—	—	—	—	—	—	—	3 574	42	128	563
—	—	—	—	—	—	—	—	—	—	—	—	5 442	42	20	3 433
—	—	—	—	—	—	—	—	—	—	—	—	24 534	243	411	1 740
—	—	—	—	—	—	—	—	—	—	—	—	8 151	263	108	526
—	—	—	—	—	—	—	—	—	—	—	—	9 674	—	5 889	2 139
—	—	—	—	—	—	—	—	—	—	—	—	28 864	1 374	5 670	4 319
—	—	—	—	—	—	—	—	—	—	—	—	7 042	326	23	157
—	—	—	—	—	—	—	—	—	—	—	—	21 622	1 048	5 647	4 162
16 620	8 884	7 108	35 267	41 220	11 284	13 641	15 552	37 912	36 095	13 532	19 012	150 924	23 453	34 505	32 978
3 812	2 141	1 313	5 566	11 035	1 896	2 061	4 458	10 030	8 945	2 570	3 427	11 464	889	1 702	2 564
12 808	6 743	5 795	29 701	30 185	9 388	11 580	11 094	27 882	27 150	10 962	15 585	139 440	22 564	32 803	30 414
12 626	6 236	5 756	26 973	28 117	9 056	10 741	10 850	24 637	26 612	10 558	14 552	129 766	22 564	26 914	28 275
182	507	39	2 728	2 068	332	839	244	3 245	538	404	1 033	9 674	—	5 889	2 139
1 801	2 134	527	16 514	26 896	4 792	8 448	10 081	32 388	29 470	6 223	12 312	28 864	1 374	5 670	4 319
362	140	129	2 695	408	23	20	143	5 023	—	193	4 669	7 042	326	23	157
1 439	1 994	398	13 819	26 488	4 769	8 428	9 938	19 967	29 096	6 030	7 643	21 622	1 048	5 647	4 162

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States		Manufacturing - Con.										Transportation, communications, and other public utilities						
		Other trans- portation equip- ment	Aircraft and parts	Other trans- portation equip- ment	Ordi- nance	Other durable goods	Food and kindred products	Textile mill prod- ucts	Apparel and other fabri- cated textile products	Paper and alloyed prod- ucts	Printing, pub- lishing and alloyed indus- tries	Chem- icals and alloyed prod- ucts	Rubber and miscel- laneous plastic prod- ucts	Other non- durable goods	Total	Rail- roads and railway express service	Trucking service and ware- housing	Other transpor- tation
23 867	8 190	7 651	27 569	22 445	12 255	10 677	13 504	24 875	22 908	10 552	18 700	34 408	34 237	198 428	58 407			
1 296	539	1 272	84	3 091	525	480	1 125	1 494	2 155	708	1 704	1 632	2 442	11 071	1 702			
60	806	243	528	436	714	179	442	1 804	845	38	361	1 041	1 487	8 866	2 210			
1 180	226	937	1 133	998	813	394	949	2 235	1 984	286	1 081	2 668	1 668	6 773	1 949			
2 089	206	122	187	517	1 187	275	348	1 834	1 984	283	361	2 176	1 267	6 563	1 296			
1 423	910	437	3 747	7 260	4 884	5 734	3 655	3 281	5 458	3 324	2 708	1 558	8 207	14 246	3 827			
3 870	1 760	1 576	2 768	2 271	1 567	1 196	1 678	3 281	2 399	1 553	6 408	2 385	1 612	11 421	3 619			
13 569	3 743	3 770	17 465	7 788	3 995	2 458	5 288	13 196	9 365	3 697	10 837	22 697	18 138	136 390	43 630			
76 741	69 745	20 081	106 492	84 405	59 727	25 028	56 625	157 156	71 163	38 734	57 977	66 722	45 113	549 090	73 498			
8 258	29 316	2 319	4 956	6 035	4 036	514	6 880	1 255	11 651	3 276	4 212	8 263	1 455	48 004	5 923			
63	40	44	44	74	557	82	543	18	196	37	93	42	25	4 404	1 080			
469	1 399	533	576	664	2 635	375	3 552	791	4 468	1 532	1 345	3 900	186	22 900	2 861			
5 480	6 654	807	2 410	3 122	2 635	21	367	18	618	148	280	6 617	639	6 617	3 21			
1 105	1 67	70	70	665	21	21	180	131	535	328	233	749	198	9 980	1 207			
1 268	3 575	168	826	516	131	21	1 956	98	4 224	903	604	1 120	25	9 980	208			
1 730	6 321	643	910	928	602	36	82	53	4 224	709	1 31	77	117	9 980	181			
1 43	1 160	98	192	66	90	36	82	53	27 435	17 789	12 466	14 054	62 484	62 484	7 022			
14 944	9 769	6 233	18 059	30 352	22 738	7 528	17 233	15 745	18 112	9 571	7 597	14 054	25 064	142 425	53 425			
24 882	6 528	4 920	10 651	22 995	27 003	5 798	12 302	5 245	18 112	9 571	7 597	14 054	25 064	142 425	53 425			
379	272	143	266	3 894	243	72	291	243	539	343	476	22 381	9 811	37 691	9 811			
25 506	15 781	4 679	14 216	4 178	2 946	817	8 100	1 772	7 152	1 772	4 768	4 877	464	11 346	2 447			
16 859	6 543	3 686	9 331	2 898	2 581	663	4 122	208	4 188	1 772	3 380	6 877	171	6 877	1 115			
8 378	8 145	8	302	1 156	58	154	3 734	394	641	208	372	621	61	1 689	45			
555	1 401	985	4 583	1 566	307	371	7 791	131 291	2 323	170	1 016	742	232	2 780	1 287			
677	448	312	719	401	1 293	371	7 791	131 291	3 045	131 291	794	103	167	2 272	270			
1 919	7 802	1 127	57 219	2 919	1 325	9 918	2 700	1 394	3 045	1 394	2 273	367	325	26 772	3 413			
71 534	43 998	20 889	140 503	124 841	95 678	34 987	98 922	26 071	98 432	69 973	98 713	9 456	7 576	67 373	22 105			
15 763	4 590	2 989	7 804	1 748	2 990	326	1 382	381	1 076	1 795	1 573	149	173	187	19			
12 808	2 599	4 799	5 694	4 675	4 394	1 324	2 933	792	3 773	5 290	10 108	26	20	187	77			
1 371	312	233	3 561	95	63	93	122	42	337	376	392	26	20	126	77			
1 619	2 086	556	1 610	437	203	110	441	134	765	673	595	189	55	630	78			
11 361	1 969	1 644	4 357	443	676	95	482	84	632	1 398	1 120	60	39	43	78			
1 341	398	309	852	23	24	22	82	—	91	235	362	60	—	43	—			
3 026	378	309	724	163	24	—	160	—	80	188	84	60	—	43	—			
5 766	925	705	1 783	197	24	40	187	84	428	804	607	257	39	257	57			
1 228	268	277	60	60	307	33	53	—	33	171	67	248	16	129	21			
1 300	543	246	1 161	141	21	43	344	253	118	427	276	83	39	269	21			
96	62	23	288	86 097	5 922	2 374	15 021	8 049	13 346	4 684	11 868	42 571	331 416	540 040	107 538			
682	200	234	431	1 171	550	150	2 059	23	2 258	340	1 211	197	23	42	541			
17 437	17 437	1 360	3 774	1 774	523	88	1 389	117	3 216	891	1 211	197	63	5 281	197			
4 997	4 297	1 595	83 861	56 567	88 958	24 111	22 012	6 842	23 422	10 050	52 337	3 454	816	10 900	541			
5 324	2 508	2 641	11 284	29 025	—	3 099	42 199	8 250	26 518	32 222	14 845	886	4 308	21 865	1 226			
6 074	1 384	2 526	6 468	10 063	—	875	15 094	3 127	21 955	7 455	4 997	1 279	604	3 226	225			
2 975	3 921	1 318	6 064	13 102	—	3 637	7 113	5 341	7 787	5 491	5 605	1 836	311	17 239	8 904			
3 050	2 090	1 725	4 146	5 600	—	1 036	3 352	6 85	6 538	3 565	3 269	1 104	265	2 713	210			
2 043	4 331	2 190	14 851	86 097	5 922	2 374	15 021	8 049	13 346	4 684	11 868	42 571	331 416	540 040	107 538			
264	696	63	1 218	48 925	451	586	1 074	3 527	3 899	2 285	1 098	257	105	24 863	22 105			
628	794	828	1 802	9 578	1 990	169	6 974	1 022	7 889	6 974	4 453	4 899	4 899	334 419	4 899			
858	2 543	939	4 021	26 539	3 311	1 552	6 518	3 146	7 089	1 903	4 453	3 088	311	334 419	3 088			
293	298	360	7 810	1 055	170	67	455	354	560	182	983	560	1 084	173 353	1 084			

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 — Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Manufacturing — Con.										Transportation, communications, and other public utilities														
	Apparel and other fabricated textile products					Printing, publishing and allied industries					Chemicals and allied products					Rubber and miscellaneous plastic products					Other non-durable goods				
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation											
2 862	6 617	2 333	37 875	8 915	2 293	12 713	3 795	14 610	6 975	13 949	168 776	48 891	32 258												
1 038	1 167	60	338	158	83	419	17	638	100	291	10 472	282	24 901												
1 198	1 769	983	20 125	4 973	1 796	6 601	2 850	7 482	3 757	3 350	2 791	44 919	3 381												
266	520	96	2 939	958	44	392	135	537	478	326	5 105	584	527												
207	159	96	1 246	191	17	523	103	893	232	6 455	17 068	572	1 095												
139	691	433	2 238	782	353	3 788	135	316	736	6 444	8 825	336	1 711												
885	2 440	665	10 989	1 833	353	3 788	555	4 744	1 672	2 883	12 345	2 198	1 711												
4 122	1 945	2 637	13 640	3 462	1 628	3 616	2 991	8 110	3 134	7 938	35 639	2 316	14 846												
2 216	1 163	1 202	9 514	3 074	1 233	2 657	2 175	5 769	2 609	2 719	16 656	1 470	5 203												
38	24	94	21	20	101	118	156	193	16	20	3 552	32	2 526												
102	—	18	18	24	—	—	—	57	16	20	516	60	370												
1 427	456	91	596	137	92	139	115	107	25	114	4 586	430	3 635												
339	302	296	457	—	183	329	387	463	328	735	3 001	260	1 039												
52 920	18 061	31 372	149 513	192 518	386 660	61 340	158 686	94 780	71 450	189 817	463 942	51 194	123 454												
4 762	850	2 173	5 324	3 704	4 102	2 211	24 542	11 091	1 513	4 678	21 975	881	3 789												
548	185	238	889	264	227	589	904	778	335	656	4 222	219	3 202												
716	105	506	716	107	178	333	450	455	82	333	1 545	39	259												
830	103	239	161	102	78	127	60	188	60	84	1 499	20	133												
225	19	42	40	17	—	18	129	299	40	51	150	—	46												
70	—	42	399	43	—	87	21	2 866	98	129	58	—	99												
195	39	79	164	156	80	185	113	655	70	185	584	39	39												
22	—	—	28	45	—	—	—	37	—	—	74	—	—												
100	19	—	102	—	15	21	198	83	—	87	311	—	—												
40	—	17	46	—	40	—	21	109	—	22	21	—	—												
782	79	344	1 131	338	491	34	36	232	20	55	385	—	102												
38	—	37	34	—	299	402	451	4 232	428	461	2 654	58	84												
338	188	211	950	609	2 235	162	20 648	641	92	273	3 708	41	511												
858	113	418	2 288	345	519	459	1 477	1 108	288	2 342	5 841	76	331												
632	420	172	2 498	835	2 774	528	5 060	1 717	442	1 335	16 461	1 600	6 486												
317	320	144	1 716	191	317	212	1 222	488	145	179	16 014	12	119												
317	320	144	1 716	191	317	212	1 222	488	145	179	16 014	12	119												
—	—	—	191	65	283	25	560	44	43	87	15 323	1 388	5 921												
100	79	37	1 654	1 947	1 801	336	9 443	1 154	255	1 894	6 063	231	1 900												
29 185	7 413	11 919	52 709	22 600	26 583	19 327	70 189	43 661	14 573	37 813	325 943	39 280	48 986												
112	89	16	713	622	574	625	735	618	304	363	5 182	1 655	303												
1 421	1 003	569	5 984	2 337	5 366	2 716	8 538	4 753	2 088	3 227	28 535	7 636	4 531												
17	—	51	237	54	79	38	239	178	30	265	6 680	917	1 097												
48	—	36	546	395	365	345	2 312	442	195	249	3 066	169	1 477												
1 473	199	322	1 169	724	860	258	2 453	984	224	604	6 457	1 380	663												
2 807	587	663	2 488	3 317	1 704	1 149	4 534	2 778	1 283	2 323	13 134	2 300	1 833												
18	58	237	164	141	244	101	448	118	95	89	1 273	484	71												
2 122	425	393	1 721	1 910	1 014	823	2 495	2 009	998	1 772	8 024	1 182	1 364												

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ord-nance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chem-icals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Rail-roads and railway express service	Trucking service and ware-housing	Other transpor-tation
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>	<b>Female, employed—Continued</b>															
<b>Clerical and kindred workers—Continued</b>																
Payroll and timekeeping clerks	354	218	244	773	1 444	1 346	2 017	891	753	756	583	1 031	3 930	306	951	393
Receptionists	264	168	124	680	815	391	323	498	1 244	542	362	325	2 955	49	488	843
Secretaries	11 771	2 738	5 182	14 073	12 605	7 086	5 139	7 571	16 478	20 326	5 439	9 196	48 308	2 345	10 078	11 837
Statistical clerks	899	66	230	598	435	471	349	197	922	725	205	353	9 002	345	447	687
Stenographers	745	106	226	266	328	47	127	242	141	641	85	452	4 071	1 294	225	326
Telephone operators	3 402	212	139	550	493	479	404	494	1 091	689	245	317	83 707	363	1 453	955
Typists	3 660	1 052	1 688	4 165	2 222	1 802	1 310	1 559	12 396	4 571	1 268	2 205	20 721	1 172	4 117	3 203
Other clerical and kindred workers	5 212	975	2 399	20 467	6 439	5 329	7 966	2 744	18 353	5 658	2 262	16 903	90 195	2 993	7 264	22 074
<b>Craftsmen and kindred workers</b>	3 236	2 986	754	10 467	5 333	4 483	15 576	1 961	20 510	2 430	2 372	8 679	10 529	443	850	1 570
Foremen, n.e.c.	336	173	285	2 420	2 227	2 904	10 922	1 644	1 931	1 259	904	1 644	3 133	114	413	430
Mechanics and repairmen	1 046	90	212	703	276	633	407	208	1 145	308	216	318	1 413	122	217	621
Printing craftsmen	182	—	17	397	197	213	183	682	18 078	262	336	142	1 247	—	—	78
<b>Operatives, except transport</b>	14 129	5 360	14 898	115 427	87 947	154 728	330 444	34 960	25 821	32 143	50 119	129 686	5 597	416	2 299	741
Assemblers	5 376	1 540	5 457	23 407	2 473	536	1 141	2 021	1 260	4 359	4 229	3 581	4 440	—	41	86
Boating and canning operatives	—	—	—	180	4 996	23	24	—	19	584	65	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	1 960	290	3 234	8 344	4 942	13 994	15 643	4 261	3 124	4 004	6 642	7 778	—	—	—	—
Graders and sorters, manufacturing	—	—	26	457	3 350	1 187	769	606	4 448	1 171	230	731	—	—	—	—
Packers and wrappers, except produce	128	66	251	6 863	35 513	4 009	6 188	7 486	3 002	7 062	5 509	5 080	1 557	18	1 259	182
Produce graders and packers, exc. factory and farm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	—
Mixing operatives	18	—	83	19	224	124	—	—	—	287	40	17	—	—	20	—
Sewers and stitchers	255	604	269	4 129	8 877	32 713	254 861	765	1 045	303	2 170	18 410	108	66	146	332
Other specified operatives	3 267	1 251	1 711	44 862	8 877	102 142	23 908	2 510	3 200	4 733	5 064	76 806	1 585	157	127	21
Machine operatives, miscellaneous specified	1	580	975	10 744	10 648	—	10 295	9 399	5 210	4 945	16 160	8 102	274	470	62	—
Machine operatives, not specified	600	141	1 245	6 915	3 762	—	2 012	4 785	5 142	3 208	5 593	2 590	603	106	260	120
Miscellaneous operatives	787	647	782	6 832	10 436	—	8 393	2 184	2 517	1 535	2 833	4 323	179	26	23	—
Not specified operatives	573	241	365	2 675	1 890	—	7 234	919	854	1 952	1 584	2 068	53 310	467	4 861	43 910
<b>Transport equipment operatives</b>	47	48	75	179	872	164	62	248	650	94	110	139	908	—	478	354
Deliverymen and routemen	22	—	—	—	510	—	23	—	557	—	—	22	—	—	—	—
<b>Laborers, except farm</b>	272	500	987	3 838	3 994	4 485	3 996	1 462	1 686	1 523	1 598	3 260	3 588	301	861	1 429
<b>Farm workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Service workers, except private household</b>	557	405	357	2 791	2 964	1 204	1 322	307	785	967	468	2 333	20 476	541	331	14 643
Cleaning service workers	222	355	126	387	851	850	559	143	351	524	252	703	2 637	275	221	613
Cleaners and charwomen	57	153	71	155	518	594	309	22	191	337	—	353	1 352	186	157	355
Food service workers	207	41	41	386	1 470	131	211	95	204	247	—	219	2 187	159	68	1 332
Waiters and food counter workers	143	28	39	170	210	45	103	47	41	116	—	58	763	110	47	406
Health service workers	37	—	19	79	62	38	79	32	21	19	—	79	88	27	—	61
Personal service workers	62	—	44	355	246	74	426	19	—	106	22	245	12 942	38	42	12 513
Protective service workers	13	—	59	91	116	111	56	18	—	31	66	23	181	42	—	76
<b>Private household workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States		Wholesale trade		Retail trade					Finance, insurance, and real estate					
Transport, comm., and other public utilities—Con.	Utilities and other public utilities—Con.	Wholesale trade		Retail trade					Finance, insurance, and real estate					
		Com-muni-cations	Utilities and other public utilities—Con.	Total	Food and farm prod-ucts	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance
304 359	410 782	1 095 189	245 999	2 328 856	245 444	363 935	598 368	73 091	276 322	771 696	885 158	245 841	357 602	281 715
68 985	51 107	66 246	6 188	94 806	11 753	6 611	6 018	1 710	7 617	61 097	81 311	30 303	32 367	18 641
3 066	5 330	11 602	2 332	10 847	2 041	1 839	2 309	617	686	3 355	25 608	12 250	7 718	5 640
—	43	88	21	294	168	45	42	22	17	493	—	—	85	366
—	2 784	6 391	522	3 732	1 437	518	279	120	101	1 277	14 768	6 570	6 883	1 515
23 263	21 859	21 496	558	4 888	721	396	618	106	125	2 922	5 267	579	3 234	1 454
—	—	153	—	—	—	—	—	—	—	—	—	—	—	—
—	390	717	—	126	—	—	46	—	—	80	19	—	—	19
641	3 758	658	102	429	79	76	21	23	61	169	696	54	239	403
20 487	11 628	2 236	41	632	66	66	20	17	47	480	228	84	20	124
—	588	1 798	108	140	271	140	96	17	17	246	3 044	191	2 631	222
246	2 377	1 744	99	641	64	50	64	66	17	1 533	1 030	68	64	118
1 301	2 895	14 190	208	2 339	241	64	435	66	—	—	1 030	182	280	568
549	523	410	83	458	91	71	35	63	86	112	4 757	1 041	2 658	1 058
130	191	39	—	177	—	—	—	—	—	177	68	23	45	—
—	322	1 851	276	122	65	37	20	—	—	—	2 303	100	2 102	101
—	37	1 336	231	687	126	65	113	—	—	320	213	102	25	98
—	435	856	110	789	480	42	40	—	—	223	135	65	70	88
3 041	1 672	3 769	462	9 158	3 423	1 899	841	373	997	1 625	8 729	3 348	4 355	1 026
17	—	170	39	40 237	200	318	44	—	—	39 675	135	—	74	61
—	—	131	—	94	200	296	—	44	—	94	—	—	—	—
—	—	39	—	39 087	567	22	—	—	—	38 547	95	—	74	21
—	—	—	—	489	—	—	—	—	—	545	40	—	—	40
22	131	20	20	133	—	—	—	—	60	73	23	—	—	23
—	—	108	108	167	—	—	—	—	—	167	114	—	—	24
—	—	—	—	21	—	—	—	—	—	21	38	—	—	—
1 077	434	2 267	183	942	182	164	274	—	47	275	4 321	2 065	991	1 465
—	41	19	19	56	16	18	—	—	22	—	235	74	19	142
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10 204	11 269	6 02	36	1 378	165	106	248	—	51	808	160	64	52	44
863	4 178	2 276	534	2 405	534	148	301	77	42	1 303	1 557	196	286	1 075
8 438	2 688	2 213	40	612	167	83	167	59	42	647	1 748	111	141	496
40	24	165	22	83	22	22	75	—	—	370	210	65	42	103
863	4 379	2 058	436	408	41	43	59	18	—	39	58	20	103	38
3 612	1 426	1 376	101	722	238	17	190	—	25	252	628	41	283	304
107	142	245	84	238	64	—	133	—	—	41	245	—	38	207
—	—	—	—	—	—	—	—	—	—	—	—	—	221	—
2 413	408	40	17	125	16	17	57	—	25	84	106	—	—	56
19 538	2 542	4 495	550	11 568	1 691	349	337	268	5 228	3 695	3 868	1 334	1 655	879
296	995	3 597	302	6 025	1 75	557	371	20	23	4 879	4 202	1 007	376	2 819
36 245	17 100	197 245	37 685	649 934	85 669	114 717	155 444	29 826	90 453	173 825	248 796	142 999	53 873	51 984
3 756	2 461	63 942	15 898	124 264	38 105	24 426	16 337	9 244	2 148	34 004	15 708	1 995	10 384	3 329
32 489	14 639	133 323	21 787	525 670	90 291	66 730	139 107	20 582	88 305	139 821	233 088	141 004	43 429	48 655
32 188	14 052	115 318	18 207	370 346	43 124	66 730	85 379	17 329	57 187	100 597	223 961	140 839	41 714	41 408
301	587	18 005	3 580	155 324	4 440	23 561	53 728	3 253	31 118	39 224	9 127	165	1 715	7 247
9 520	6 912	295 355	45 675	435 163	55 187	34 136	118 987	27 045	3 599	196 209	331 676	4 864	203 617	123 195
5 542	383	10 077	451	35 489	10 392	284	262	81	59	24 411	329 759	3 350	203 617	122 792
3 978	6 529	285 243	45 224	398 748	44 097	33 852	118 725	26 964	3 540	171 570	1 917	1 514	—	—

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade				Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel access-ories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
18 077	44 665	14 485	89 887	14 485	109 702	20 480	31 298	13 695	3 287	4 511	148 155	57 835	60 424	29 896
845	4 169	2 668	11 148	2 668	16 953	1 401	2 141	4 693	733	1 511	11 551	6 323	1 581	3 647
44	171	254	537	254	16 016	1 129	12 268	302	99	1 351	1 051	231	123	677
1 341	4 008	96	3 233	96	4 400	1 053	291	1 246	96	234	12 215	7 012	2 580	2 623
1 740	1 488	608	3 850	608	2 877	1 053	420	424	136	101	11 459	5 802	4 328	1 339
1 033	1 752	433	2 998	433	2 409	348	209	525	108	247	6 818	2 655	2 021	2 142
212	244	4 173	4 661	4 173	15 993	6 252	2 847	788	910	122	5 074	155	234	250
938	2 798	1 526	11 376	1 526	10 893	5 313	7 912	1 357	642	468	1 161	217	216	728
12 884	31 035	4 727	33 029	4 727	31 161	4 024	5 210	4 360	563	477	103 261	35 440	49 341	18 480
165 492	180 396	22 876	140 481	22 876	425 787	37 501	28 039	191 542	7 254	4 192	24 172	3 712	4 292	16 168
2 841	29 502	886	9 232	886	26 464	1 714	1 036	2 162	250	545	8 270	344	310	7 189
21	228	42	146	42	389	—	—	85	—	18	270	—	—	—
241	1 181	128	1 993	128	7 693	802	503	735	127	230	3 225	176	78	2 971
1 069	14 884	292	3 546	292	3 546	453	269	240	123	87	856	83	140	653
136	4 804	169	5 644	169	1 146	22	70	90	—	—	525	—	19	508
30	524	101	2 172	101	2 870	115	174	763	—	120	2 535	65	48	2 422
1 344	7 283	78	5 363	78	5 363	164	49	192	—	48	631	25	25	606
—	598	46	906	46	5 457	158	21	57	—	42	309	20	—	289
11 920	22 178	12 251	38 635	12 251	37 745	8 824	7 858	7 427	982	895	4 601	1 454	1 263	1 884
5 008	39 707	4 316	58 867	4 316	263 717	19 724	3 404	177 414	515	1 173	3 212	688	351	2 173
879	4 332	1 472	11 663	1 472	180 813	3 885	1 839	171 083	294	87	142	16	46	80
206	2 971	534	6 316	534	4 167	369	135	1 095	62	40	442	117	20	305
132	1 721	360	4 109	360	2 294	255	61	1 001	15	22	256	79	—	177
57	887	23	2 833	23	1 182	70	18	19	—	—	126	19	20	87
17	363	151	1 924	151	1 691	94	56	75	47	18	60	19	—	41
234	448	250	1 561	250	1 990	260	97	48	38	24	190	843	190	190
648	24 168	275	1 809	275	1 086	257	239	137	20	21	224	288	166	1 770
144 575	61 422	4 364	24 061	4 364	91 618	6 353	15 250	3 259	5 387	1 494	3 925	356	1 339	2 230
1 454	21 594	23 824	67 611	23 824	195 195	3 243	74 783	88 859	1 454	1 825	2 873	423	569	1 881
88	1 197	181	2 302	181	1 206	84	46	366	—	83	97	60	—	37
22	14	—	587	—	1 680	44	—	1 020	—	—	—	—	—	—
—	86	22	371	22	3 799	44	—	3 610	—	—	20	—	20	—
41	103	128	1 565	128	606	134	—	19	616	—	15	—	—	—
20	—	26	181	26	3 303	217	—	138	269	65	68	—	22	46
—	—	84	411	84	145	23	—	39	20	—	42	—	22	20
21	103	18	790	18	114	50	—	22	60	23	26	—	—	26
—	—	—	183	—	190	—	—	32	42	—	—	—	—	—
23	89	—	381	—	25	—	—	—	118	—	23	—	—	23
19	—	21	21	—	349	68	—	39	—	—	65	—	43	72
106	4 374	81	340	81	2 317	105	20	—	222	—	459	36	24	399
84	4 885	271	6 617	271	170 809	2 217	71	513	48	19	1 000	—	—	399
376	2 165	16 412	32 383	16 412	6 303	2 147	829	79 261	1 095	1 099	1 568	119	196	1 033
201	1 806	2 769	8 491	2 769	6 303	166	—	2 322	126	357	2 522	84	63	685
62	1 887	1 452	5 124	1 452	1 838	166	—	286	61	44	277	22	113	102
348	5 178	1 880	7 422	1 880	3 571	201	1	820	63	102	348	43	43	262
84	810	628	2 007	628	2 482	35	677	452	21	116	142	19	45	78
1 549	24 375	69 440	163 200	69 440	129 681	15 908	26 605	12 444	697	4 614	2 992	604	507	1 881
447	916	40 047	75 342	40 047	63 256	11 141	14 616	4 495	311	2 742	438	106	81	251
19	326	4 092	8 907	4 092	5 563	1 180	2 373	128	—	1 233	86	47	39	396
582	22 208	24 888	70 869	24 888	52 720	3 421	9 219	6 883	343	1 502	1 394	230	228	936
501	925	413	8 082	413	8 142	166	397	938	43	247	1 074	268	151	655



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>Male, employed—Continued</b>															
<b>Labors, except farm</b>															
Construction laborers	1 073	56 271	65 152	22 004	86 579	7 130	42 743	8 590	664	766	26 686	11 091	230	135	10 726
Freight, stock, and material handlers	178	8 675	866	101	2 583	171	61	161	—	52	2 138	645	23	22	600
Vehicle washers and equipment cleaners	411	31 404	43 792	16 517	59 405	6 182	41 049	1 054	605	238	10 277	470	75	38	357
Other specified laborers	205	3 398	566	213	5 917	—	159	5 623	—	18	117	47	24	—	23
Miscellaneous laborers	34	1 598	6 730	991	9 516	219	479	406	—	96	8 316	7 000	49	57	6 894
Not specified laborers	171	5 399	9 121	3 461	7 368	482	681	1 205	42	362	1 242	1 412	39	18	1 373
											4 596	1 517	20	—	1 479
<b>Farm workers</b>															
Service workers, including private household	2 024	8 362	9 992	3 822	202 009	8 573	5 003	2 789	1 154	158 745	25 745	34 092	4 871	1 878	27 343
Cleaning service workers	1 583	6 941	5 252	2 168	19 828	4 669	2 744	2 228	823	5 740	3 604	21 953	2 757	1 293	17 903
Food service workers	68	30	1 031	941	153 377	1 291	1 286	81	—	149 803	916	680	305	196	179
Health service workers	23	91	47	25	178	26	21	—	—	42	89	—	—	—	—
Personal service workers	60	199	579	322	4 373	786	121	51	130	2 917	368	2 750	136	143	2 471
Guards and watchmen	160	655	779	133	2 781	1 342	499	102	161	201	476	3 018	1 552	246	1 220
Other service workers, including private household	130	446	2 304	243	21 472	459	332	327	40	22	20 292	5 691	121	—	5 570
<b>Female, employed</b>															
<b>Professional, technical, and kindred workers</b>															
Accountants	12 389	3 588	8 737	1 171	31 828	9 733	1 556	1 753	1 539	3 697	13 550	22 772	9 444	8 939	4 369
Computer specialists	1 621	641	2 863	534	6 226	2 146	559	1 310	373	400	1 438	9 067	4 342	3 236	1 489
Engineers	1 830	305	1 078	57	829	359	144	52	18	20	236	3 615	1 463	1 829	323
Librarians, archivists, and curators	1 144	182	40	—	119	20	20	—	—	—	79	141	39	65	37
Life and physical scientists	1 129	21	140	—	87	31	—	—	—	—	56	180	73	86	21
Physicians, dentists, and related practitioners	—	22	145	77	104	34	17	—	—	18	63	69	19	20	24
Registered nurses, dietitians, and therapists	257	168	159	—	4 593	407	43	114	23	366	4 516	33	75	419	92
Health technologists and technicians	12	23	28	—	1 183	407	164	—	—	—	109	586	76	76	21
Social scientists	151	160	139	—	261	45	29	—	80	17	119	669	552	44	73
Social and recreation workers	21	—	20	—	22	22	—	—	—	—	—	117	—	38	79
Teachers, except college and university	235	48	104	—	2 205	914	18	19	—	42	1 212	160	92	22	46
Engineering and science technicians	1 744	641	532	141	3 009	46	39	22	—	—	202	212	15	120	77
Technicians, exc. health, and engineering and science	242	95	197	43	135 428	44	182	44	—	21	46	182	80	102	80
Writers, artists, and entertainers	3 055	235	1 700	57	8 554	2 443	199	87	732	2 225	2 868	1 660	610	633	417
Other professional, technical, and kindred workers	2 928	1 023	1 592	262	7 125	3 266	324	105	313	588	2 529	5 990	2 184	2 216	1 590
<b>Managers and administrators, except farm</b>															
Buyers, purchasing agents, and sales managers	6 417	840	13 050	1 961	134 267	32 409	17 963	5 993	13 937	31 194	32 771	47 438	23 943	8 647	14 848
Other managers and administrators	1 183	69	2 987	438	33 986	18 345	2 550	384	5 470	6 445	6 592	512	144	125	243
Salaries	6 234	771	10 063	1 523	100 281	14 064	15 413	5 409	8 467	30 549	26 179	46 926	23 799	8 522	14 605
Self-employed	6 213	771	8 571	1 349	61 869	11 963	7 312	4 035	6 359	16 486	15 694	44 743	23 755	8 288	12 700
	21	—	1 492	174	38 412	2 081	8 101	1 574	2 108	14 063	10 485	2 183	44	—	1 905
<b>Sales workers</b>															
Clerical and kindred workers	2 835	715	15 517	2 328	517 869	234 835	45 860	4 155	65 322	4 369	163 328	60 326	1 083	21 727	37 516
Billing clerks	171 718	40 344	190 860	29 893	579 922	142 542	138 572	60 214	27 375	35 491	175 578	550 799	275 407	180 837	94 485
Bookkeepers	1 349	1 415	4 619	631	5 193	2 229	320	742	303	122	1 477	1 494	582	785	127
Cashiers	8 586	6 506	46 548	9 969	135 428	21 572	14 643	31 535	8 268	7 266	52 144	72 370	46 157	14 734	11 459
Counter, clerks, except food	2 193	2 351	1 900	729	185 688	32 402	104 368	2 520	5 940	21 195	19 243	7 651	3 897	2 254	1 500
File clerks	3 011	1 003	3 755	652	7 925	5 286	625	117	360	336	1 201	272	116	23	133
Office machine operators	3 011	1 003	3 755	652	7 925	5 286	625	117	360	336	1 201	272	116	23	133
Bookkeeping and billing machine operators	4 335	2 849	11 427	2 464	8 182	4 577	298	786	542	166	1 813	14 994	5 125	8 956	913
Keypunch operators	300	350	1 875	1 586	14 453	6 241	2 566	1 233	1 210	421	2 782	35 386	23 771	9 376	2 303
	2 121	1 843	7 028	1 568	2 087	3 245	1 004	656	513	189	1 500	18 412	9 602	7 111	1 699

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate						
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	Total	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and access-ories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate	
																Com-muni-cations
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>																
<b>Female, employed—Continued</b>																
<b>Clerical and kindred workers—Continued</b>																
Payroll and timekeeping clerks.....	1 557	680	1 551	654	4 273	2 121	665	281	155	313	738	1 853	687	884	282	
Receptionists.....	905	566	3 599	455	5 364	1 302	266	842	202	401	2 351	6 058	2 209	1 712	1 737	
Secretaries.....	13 812	9 782	58 737	7 784	62 717	10 855	5 225	11 574	2 296	3 370	29 397	145 783	43 212	65 849	36 722	
Statistical clerks.....	6 723	782	2 093	369	3 733	2 185	136	290	353	20	749	11 264	1 130	8 330	804	
Stenographers.....	800	1 404	1 389	148	644	125	23	105	62	23	306	3 476	1 188	1 721	567	
Telephone operators.....	80 303	633	2 914	421	7 201	4 239	394	1 068	402	128	970	5 299	2 419	1 602	1 278	
Typists.....	8 128	3 869	12 882	1 347	17 023	6 665	738	2 615	805	204	5 996	46 993	14 598	26 101	6 294	
Other clerical and kindred workers.....	37 425	8 419	35 648	4 016	122 098	42 743	8 305	6 506	6 457	1 526	56 561	197 836	129 316	38 490	30 030	
<b>Craftsmen and kindred workers</b>																
Foremen, n.e.c.....	5 661	1 855	6 764	1 651	34 152	6 990	4 481	1 871	2 481	1 406	16 923	2 622	1 249	753	620	
Mechanics and repairmen.....	1 851	325	2 361	737	6 307	3 457	717	1 181	517	376	1 059	1 685	961	564	160	
Printing craftsmen.....	91	362	2 322	63	2 322	440	54	1 393	—	58	577	64	—	—	64	
	129	40	334	25	304	156	—	22	—	24	102	264	139	125	—	
<b>Operatives, except transport</b>																
Assemblers.....	808	872	41 018	20 648	69 653	8 038	32 755	3 642	9 190	1 730	14 298	1 860	722	453	685	
Bottling and canning operatives.....	200	113	2 520	178	789	106	23	125	43	21	494	86	—	19	67	
Checkers, examiners, inspectors, manufacturing graders and sorters, manufacturing packers and wrappers, except produce.....	—	—	103	60	82	—	—	—	—	—	—	—	—	—	—	
Produce graders and packers, exc. factory and farm.....	18	59	11 291	7 190	32 099	3 544	25 670	116	511	727	1 531	110	36	—	74	
Mixing operatives.....	—	—	6 867	6 555	360	—	266	—	—	—	94	—	—	—	—	
Sewers and stitchers.....	—	—	52	—	—	—	—	—	—	—	—	—	—	—	—	
Other specified operatives.....	22	374	9 553	59	2 127	322	20	36	1 286	21	442	—	—	—	—	
Machine operatives, miscellaneous specified.....	220	43	9 547	1 909	25 994	2 945	3 570	3 059	6 861	425	9 134	444	104	118	222	
Machine operatives, not specified.....	43	83	2 633	1 035	2 301	263	761	174	186	308	609	499	221	185	93	
Miscellaneous operatives.....	153	129	1 776	488	1 101	231	190	64	81	153	535	422	302	75	45	
Not specified operatives.....	101	75	4 225	2 625	3 432	491	1 668	17	166	153	937	183	59	16	108	
	51	39	1 051	549	1 368	136	587	51	56	75	463	116	—	40	76	
<b>Transport equipment operatives</b>																
Deliverymen and roulemen.....	97	190	2 574	823	4 794	1 329	547	526	53	811	1 528	98	18	19	61	
	76	—	1 266	530	3 142	1 246	338	193	39	544	782	61	—	—	42	
<b>Laborers, except farm</b>																
<b>Farm workers</b>																
<b>Service workers, except private household!</b>																
Cleaning service workers.....	1 668	886	3 981	1 101	516 316	20 111	8 480	1 003	2 073	432 377	52 272	17 198	3 976	1 653	11 569	
Cleaners and charwomen.....	864	582	1 082	256	11 451	1 624	686	746	675	4 790	2 930	11 553	2 994	1 174	7 385	
Food service workers.....	368	244	433	60	5 970	1 888	362	502	587	1 924	1 716	7 215	1 728	635	4 852	
Waiters and food counter workers.....	473	155	1 142	774	453 628	14 519	6 865	78	306	424 788	7 072	1 268	1	254	557	
Health service workers.....	200	—	249	185	324 974	9 504	3 891	78	219	305 815	5 467	652	457	191	115	
Personal service workers.....	246	82	26	26	389	27	52	43	759	125	142	196	63	100	33	
Protective service workers.....	63	—	459	18	7 117	2 338	169	86	291	2 569	1 196	1 406	343	125	938	
<b>Private household workers</b>																
	—	—	28	—	2 067	1 404	103	—	291	105	164	134	101	—	33	

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text

United States	Professional and related services										Public administration			
	Business services			Other personal services, including private household			Enter-tainment and recreation services			Professional and related services				
	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Enter-tainment and recreation services	Total	Hospitals	Health services, except hospitals	Educational and kindred services	Welfare, religious, nonprofit membership organizations		Other professional and related services		
Male, employed	378 290	225 587	187 664	80 249	261 881	130 227	2 276 815	256 327	190 403	842 338	257 238	230 723	499 786	1 324 669
Professional, technical, and kindred workers	130 427	3 290	9 202	5 305	17 002	44 450	1 667 751	124 645	146 615	645 198	185 664	1 57 609	408 020	285 114
Accountants	7 127	919	339	2 093	373	827	76 321	2 388	615	2 810	1 442	1 828	67 238	28 532
Architects	265	211	327	20	199	38	23 518	43	41	437	1 573	66	22 788	1 628
Computer specialists	21 692	211	327	26	199	85	16 202	1 021	494	3 711	1 573	630	8 284	16 377
Engineers	23 774	192	1 848	185	311	535	69 250	1 423	1 373	3 711	2 562	1 658	58 523	53 743
Aeronautical and astronautical	592	18	18	—	—	—	761	—	—	43	78	19	621	3 351
Chemical	728	—	—	—	42	—	1 594	51	60	137	79	21	1 246	622
Civil	819	43	100	—	42	85	19 971	122	650	560	206	313	18 120	14 477
Electrical and electronic	6 315	48	564	43	—	265	12 937	163	25	1 345	936	119	10 349	12 131
Industrial	5 770	43	124	18	80	41	3 774	284	108	1 61	88	372	2 761	7 242
Mechanical	2 201	20	399	104	83	23	8 607	242	64	393	488	143	7 277	5 385
Other engineers	7 349	38	643	20	64	121	21 606	561	466	1 072	687	671	18 149	10 535
Lawyers and judges	425	128	—	65	—	196	103 893	64	608	357	182	1 318	101 364	19 105
Librarians, archivists, and curators	113	—	26	—	48	20	10 062	25	21	6 317	3 061	163	475	788
Mathematical specialists	837	—	27	—	48	19	2 338	86	103	541	208	141	1 259	3 546
Life and physical scientists	6 103	—	71	—	107	100	24 040	2 201	2 460	6 533	3 183	224	9 433	16 033
Chemists	3 274	—	31	—	23	19	7 647	845	760	2 131	1 036	39	2 836	3 770
Operations and systems researchers and analysts	39	93	—	—	—	41	1 910	189	87	485	148	218	1 783	4 972
Personnel and labor relations workers	11 754	271	317	398	457	476	8 972	1 962	754	2 843	891	1 341	1 181	16 239
Physicians, dentists, and related practitioners	115	—	19	—	40	284	189 216	61 590	121 152	2 498	2 620	584	772	1 914
Dentists	21	—	—	—	—	75	5 120	4 675	41 031	2 159	181	23	222	1 163
Pharmacists	48	—	20	—	19	187	127 666	55 496	67 030	2 109	2 177	473	381	1 007
Physicians, medical and osteopathic	48	—	—	—	—	22	13 706	308	12 850	168	180	46	151	545
Other related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	82	—	19	—	200	21	24 193	16 420	4 430	2 359	251	594	139	1 635
Health technologists and technicians	337	—	—	—	24	—	37 814	25 545	7 169	2 054	1 295	1 054	697	1 098
Religious workers	60	—	—	20	91	—	109 080	1 213	233	94	1 530	105 710	300	358
Social scientists	5 662	61	105	18	102	79	14 270	3 373	1 518	3 805	1 337	1 034	3 203	9 663
Social and recreation workers	261	22	—	688	70	2 829	39 610	2 737	1 737	3 368	797	30 423	548	13 471
Teachers, college and university	—	—	—	—	—	—	216 915	—	—	147 175	69 740	—	—	—
Teachers, except college and university	1 027	—	—	23	148	1 160	476 082	539	463	400 197	74 167	546	176	3 191
Engineers and science technicians	19 207	98	1 429	41	308	819	56 431	976	615	6 374	3 186	842	44 438	34 541
Draftsmen	5 978	44	349	20	177	41	29 577	87	69	641	417	441	27 922	7 667
Electrical and electronic engineering technicians	4 444	54	899	—	32	603	5 736	251	193	1 781	1 075	58	2 378	14 095
Industrial and mechanical engineering technicians	4 433	—	—	—	20	37	5 522	23	322	78	—	—	421	14 700
Other engineering and science technicians	8 352	—	181	21	79	138	20 396	615	353	3 874	1 694	343	13 717	12 079
Technicians, exc. health, and eng. and science	896	42	410	—	1 905	214	3 160	53	210	649	1 144	47	1 057	26 319
Airplane pilots	103	22	—	—	25	14	610	70	19	38	553	—	—	26 319
Embalmers	67	—	—	—	—	—	—	—	—	—	—	—	—	1 179
Radio operators and air traffic controllers	728	20	370	—	60	200	2 448	—	167	586	591	47	1 057	5 038
Other technicians, exc. health, and eng. and science	24 652	193	304	1 676	11 222	31 846	45 038	837	859	4 946	3 834	7 356	27 206	9 707
Writers, artists, and entertainers	5 169	87	3 848	52	1 349	4 861	119 436	1 966	1 673	43 441	12 368	1 832	58 156	21 854
Other professional, technical, and kindred workers	61 134	23 371	12 749	17 824	36 447	24 608	187 705	17 799	9 720	80 292	27 213	29 822	22 859	129 993
Managers and administrators, except farm	5 384	996	583	808	1 107	712	5 889	1 475	226	1 073	1 043	659	1 413	6 643
Buyers, purchasing agents, and sales managers	55 750	22 375	12 166	17 016	35 340	23 896	181 816	16 324	9 494	79 219	26 170	29 163	21 446	123 350
Other managers and administrators	14 247	14 247	8 538	12 664	25 128	18 653	178 107	16 213	8 736	79 219	24 992	29 019	19 908	123 350
Salaried	8 173	8 128	3 628	4 352	10 212	5 243	3 709	111	738	—	1 178	144	1 538	—
Self-employed	28 739	3 442	3 994	656	4 505	2 550	9 714	236	488	578	2 322	2 100	3 990	2 021
Sales workers	13 701	26	1 497	—	383	391	1 539	125	38	407	102	179	688	864
Other specified sales workers	15 038	3 416	2 497	656	4 122	2 159	8 175	111	450	171	2 220	1 921	3 302	1 157

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration		
	Business services					Educational and kindred services						Welfare, religious, and nonprofit membership organizations	Other professional and related services
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Total	Hospitals	Health services, except hospitals	Government			
30 461	5 296	6 076	6 696	4 936	6 005	69 801	10 886	3 958	18 237	7 719	9 232	19 769	303 060
2 153	1 001	625	1 373	944	703	7 590	1 020	567	1 335	422	956	3 290	7 762
151	290	93	547	41	370	619	141	22	232	167	57	-	311
4 356	673	332	143	133	151	2 524	921	274	143	373	544	1 099	8 059
5 368	128	118	188	205	126	7 123	171	561	1 812	816	525	2 878	8 403
2 944	148	42	47	256	252	6 975	1 114	74	966	670	2 154	1 510	8 313
1 705	180	343	66	176	290	1 677	425	322	394	238	203	343	1 811
1 386	284	314	130	270	172	5 469	2 139	1 967	1 686	492	422	408	10 313
13 398	2 592	4 209	4 202	2 911	2 941	37 824	5 035	1 967	11 669	4 541	4 371	10 241	258 088
45 388	155 673	113 322	5 869	16 107	12 079	88 186	17 638	12 976	24 714	9 740	8 203	14 915	107 724
6 394	1 538	3 407	2 395	1 679	2 185	28 440	7 582	692	9 947	4 438	4 635	1 146	21 515
21	18	39	41	101	25	671	134	23	163	135	171	25	305
930	108	378	836	474	821	6 656	1 198	233	2 496	1 285	1 319	125	3 227
1 474	80	1 945	422	100	722	7 492	2 023	70	2 444	1 119	1 348	488	8 234
956	19	228	46	90	287	808	234	22	228	67	120	137	3 508
1 331	1 295	326	840	722	291	6 494	2 177	259	2 504	919	496	139	2 923
1 504	18	429	165	116	39	5 384	1 693	64	1 877	849	728	173	2 950
178	-	62	45	76	-	935	123	21	235	44	453	59	368
6 339	3 644	2 338	568	3 247	1 059	8 008	1 273	485	2 426	1 072	987	1 765	11 430
17 731	145 394	77 384	1 254	2 264	3 955	15 944	3 542	450	6 483	1 843	824	2 802	50 188
1 146	143 680	2 810	65	390	164	3 431	158	80	2 393	486	225	79	10 523
2 116	720	4 154	82	162	133	3 504	543	15	867	586	319	174	6 262
1 476	607	1 444	-	119	70	1 959	212	15	454	363	17	898	3 231
72	60	2 442	37	22	24	488	236	-	137	132	120	63	3 197
568	53	268	45	21	39	657	95	-	276	91	182	213	2 834
1 399	20	18	20	168	122	3 070	426	86	1 205	483	410	460	2 393
912	46	178	964	423	240	6 249	3 112	102	1 626	680	285	464	2 780
10 497	4 310	25 843	586	8 164	4 385	22 971	1 160	11 146	2 160	658	743	7 104	13 156
21 032	17 102	24 715	1 277	28 335	2 599	21 723	6 529	1 184	4 735	1 392	2 429	5 454	21 641
301	135	362	-	79	-	445	-	108	16	38	115	168	755
25	104	247	20	42	22	45	-	-	-	-	26	19	102
62	6 430	90	75	17	17	75	-	-	-	18	21	57	44
197	204	1 178	18	21	-	372	-	24	43	22	21	262	333
20	-	61	-	-	-	79	-	-	-	-	-	79	101
16	122	820	-	-	-	21	-	24	21	22	-	-	36
55	62	207	18	21	-	161	-	-	-	-	-	115	102
106	20	90	-	-	-	111	-	-	22	-	21	68	94
164	57	76	-	25	20	244	-	-	-	-	202	42	60
97	-	19	112	99	22	4 377	1 643	136	2 076	303	122	97	63
209	-	58	62	174	20	1 472	1 005	56	358	91	515	347	3 609
839	1 521	15 814	769	27 132	1 956	9 994	4 161	472	889	442	839	3 191	1 952
6 507	4 225	4 796	20	209	103	1 100	80	46	302	59	159	454	7 581
1 378	3 348	4 07	20	206	114	1 174	56	231	121	76	111	252	1 656
611	119	285	83	149	101	2 377	405	231	889	257	277	318	1 693
10 152	906	988	144	199	87	2 606	79	111	41	86	42	247	3 697
490	53	395	49	199	87	606	79	111	41	86	42	247	3 697
8 013	11 355	3 767	879	22 015	1 537	12 326	2 569	991	3 789	1 010	2 159	1 808	21 923
2 659	484	644	54	15 224	199	1 986	309	186	1 021	97	268	105	909
210	155	103	21	88	48	116	17	-	-	-	27	72	2 549
4 267	4 685	1 312	196	2 979	604	5 051	519	369	1 438	532	1 580	613	14 371
877	6 031	1 708	608	3 724	686	5 173	1 724	436	1 330	381	284	1 018	4 094

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit organizations		Other professional and related services	
							Total	Hospitals	Health services, except hospitals				Government
<b>PERSONS 25 TO 44 YEARS OLD—Continued</b>													
<b>Male, employed—Continued</b>													
<b>United States</b>													
<b>Male, employed—Continued</b>													
<b>Labors, except farm</b>													
Construction laborers	7 238	5 284	5 480	2 296	13 243	11 239	2 701	1 284	7 404	2 855	3 409	2 345	41 523
Freight, stock, and material handlers	2 082	4 581	2 043	216	612	1 031	435	121	783	153	1 084	169	18 786
Vehicle washers and equipment cleaners	2 247	36	2 099	1 249	9 229	9 241	1 214	20	86	23	46	—	469
Other specified laborers	732	1 380	2 099	131	267	383	46	19	5 376	1 974	829	1 805	15 011
Miscellaneous laborers	2 380	310	592	392	2 780	520	561	314	708	404	118	24	1 256
Not specified laborers	—	—	—	—	—	—	—	—	—	—	877	255	4 199
<b>Farm workers</b>													
Service workers, including private household	45 858	774	8 359	39 447	119 291	25 160	73 324	13 187	57 391	19 323	15 760	20 626	411 670
Cleaning service workers	29 186	545	799	9 538	2 418	5 100	19 499	3 791	48 372	13 440	8 468	1 112	18 729
Food service workers	79	42	85	20 915	22	7 521	9 249	1 648	2 677	2 640	3 601	66	2 881
Health service workers	82	—	—	20	48	—	37 517	6 467	336	178	187	83	830
Personal service workers	563	56	417	8 497	96 563	8 248	2 797	700	1 905	1 286	2 535	125	3 255
Guards and watchmen	12 303	104	130	453	90	702	3 616	415	2 482	1 309	324	164	29 882
Other service workers, including private household	3 645	27	6 928	24	20 150	3 589	646	166	1 619	470	645	19 076	356 093
<b>Female, employed</b>													
<b>Professional, technical, and kindred workers</b>													
Accountants	38 648	461	2 958	2 706	9 778	19 346	382 714	124 837	802 926	253 455	73 798	127 506	61 668
Computer specialists	7 037	81	234	812	100	429	1 604	428	1 439	519	1 050	11 375	11 143
Engineers	3 810	41	97	—	20	56	1 496	39	1 009	579	156	1 158	3 548
Librarians, archivists, and curators	414	—	—	—	—	17	38	71	113	71	53	746	1 051
Life and physical scientists	439	—	—	—	—	15	229	98	23 959	6 792	379	455	1 054
Physicians, dentists, and related practitioners	573	—	—	—	—	24	777	1 971	1 442	983	65	698	1 602
Registered nurses, dietitians, and therapists	44	—	—	—	—	—	9 789	5 966	1 598	486	183	37	1 177
Physicians, exc. health, and engineering and science technicians, exc. health, and entertainers	1 389	—	36	299	2 700	100	291 929	84 929	15 132	4 442	2 677	1 217	3 549
Health technologists and technicians	1 178	—	178	—	36	86	55 510	23 955	2 045	1 765	345	506	486
Social scientists	596	—	23	—	93	—	1 690	23 955	2 062	606	458	567	1 511
Social and recreation workers	158	—	—	249	80	1 600	5 726	3 257	5 327	1 177	41 334	530	8 368
Teachers, except college and university	273	258	—	127	998	5 360	6 151	778	677 102	201 064	3 946	562	1 700
Engineering and science technicians	2 478	18	19	21	156	39	1 129	700	1 881	1 213	103	2 652	2 719
Technicians, exc. health, and engineering and science	228	—	119	—	117	58	84	539	481	139	231	120	3 952
Writers, artists, and entertainers	9 039	19	288	1 050	4 114	9 692	838	568	3 335	2 613	10 894	10 490	3 171
Other professional, technical, and kindred workers	11 992	44	2 288	1 148	1 340	1 894	4 720	2 108	67 001	30 986	11 924	96 393	17 267
<b>Managers and administrators, except farm</b>													
Buyers, purchasing agents, and sales managers	10 698	1 308	1 366	9 619	9 744	5 499	9 659	7 635	19 216	15 132	10 095	6 946	28 002
Other managers and administrators	808	19	21	300	289	104	919	100	414	151	191	86	1 486
Salaries	9 890	1 289	1 345	9 319	9 455	5 395	8 740	7 535	18 802	14 981	9 904	6 860	26 536
Self-employed	8 426	963	926	5 681	6 079	4 495	8 678	6 594	18 802	13 498	9 823	6 433	26 536
Not specified	1 464	326	419	3 638	3 376	900	62	941	—	1 483	81	427	—
<b>Sales workers</b>													
Clerical and kindred workers	7 793	216	1 650	551	4 506	1 708	1 346	330	491	1 124	1 715	1 679	1 785
Billing clerks	132 441	14 966	24 023	23 280	51 341	24 070	137 386	105 903	220 895	70 905	96 946	186 101	360 752
Bookkeepers	775	227	346	47	270	36	2 048	52	255	91	106	208	711
Cashiers	12 053	5 630	3 627	3 379	6 388	4 781	9 115	13 151	8 998	4 838	8 318	21 226	18 449
Counter clerks, except food	556	977	108	5 502	2 954	4 109	3 265	176	6 664	2 080	978	1 775	2 493
File clerks	997	1 223	122	5 502	1 860	1 036	501	20	2 416	1 399	254	43	519
Office machine operators	3 100	161	237	135	644	150	4 340	1 423	3 645	765	1 512	1 164	12 756
Bookkeeping and billing machine operators	13 177	314	299	201	675	429	3 792	423	3 165	1 931	2 151	7 825	18 287
Key punch operators	530	60	83	67	136	84	963	150	2 251	1 532	293	268	1 334
Not specified	9 802	171	176	39	380	212	2 102	349	2 213	1 237	1 232	6 418	13 278

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services
							Government	Private	Total			
1 031	174	77	231	333	232	2 021	306	1 305	417	290	533	3 600
2 849	215	204	1 005	4 857	475	15 572	27 469	2 043	1 674	2 828	2 822	3 432
41 941	3 759	4 353	4 092	5 183	7	41 782	44 796	84 706	35 530	53 990	89 051	78 611
1 522	65	117	103	368	196	3 991	727	2 088	582	804	806	8 860
1 799	24	144	60	100	64	1 347	959	2 133	334	1 760	1 457	11 291
7 223	76	247	2 557	1 437	401	8 437	417	1 519	987	908	681	2 998
19 405	363	908	682	1 693	321	13 710	6 310	17 173	5 455	12 062	7 611	52 980
26 013	1 758	13 334	1 746	12 695	3 918	27 465	8 899	87 788	16 092	10 985	52 499	145 765
3 340	2 095	3 791	534	3 662	521	1 362	3 133	3 654	1 178	747	1 369	3 948
915	92	98	160	948	138	707	280	290	220	223	407	2 073
474	1 843	1 114	—	109	90	64	48	368	105	134	57	2 275
9 339	770	3 680	3 079	86 664	883	10 274	3 662	1 910	1 097	1 992	4 174	4 088
723	39	199	—	329	22	—	137	36	39	99	626	381
—	—	—	—	—	—	—	—	—	—	—	—	—
1 675	19	93	—	1 257	38	83	143	55	56	39	195	605
—	—	—	—	—	—	—	—	—	—	—	—	24
37	19	424	157	3 100	23	413	17	42	75	159	—	111
4 437	507	2 542	2 679	79 795	735	9 117	3 006	667	545	979	2 273	1 735
929	39	192	185	801	—	292	107	113	113	77	310	447
656	147	25	38	236	—	51	45	55	44	65	133	291
148	—	198	20	387	22	283	161	707	225	468	383	455
689	338	178	69	913	114	182	336	2 220	1 098	440	312	485
523	44	21	21	518	15	85	229	24	—	90	—	78
887	732	192	386	4 691	453	2 267	276	425	477	576	581	3 621
—	—	—	—	—	—	—	—	—	—	—	—	—
20 207	237	5 161	92 673	199 743	27 801	301 227	167 704	130 067	50 760	30 118	63 425	39 241
15 497	149	488	46 825	4 510	2 293	28 702	10 863	18 259	9 974	6 719	1 152	5 821
8 159	106	58	6 188	1 994	1 238	21 619	7 967	3 313	2 068	2 609	466	2 495
459	20	108	28 890	388	16 867	25 821	12 357	81 424	23 386	9 702	243	3 503
241	—	108	19 899	306	12 916	2 711	1 016	10 594	3 823	4 877	98	1 332
1 386	19	549	15 727	164 067	5 496	4 550	4 120	25 842	16 132	11 102	774	2 495
1 893	—	—	—	—	41	337	—	1 142	199	54	44	22 505
753	—	—	—	306 961	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment		
	Total	Agriculture, forestry, and fisheries	Mining	Total	Special contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies			Motor vehicles and motor vehicle equipment	
<b>PERSONS 45 TO 64 YEARS OLD</b>																	
Male, employed	16 899 421	1 056 283	231 044	1 600 582	612 292	5 125 921	184 200	112 772	180 122	356 538	113 325	347 810	587 422	379 630	314 965		
Professional, technical, and kindred workers	1 993 524	24 500	19 944	57 650	7 709	515 498	3 477	3 839	11 079	19 323	8 117	23 784	64 472	78 076	25 315		
Accountants	179 901	555	2 922	5 208	1 029	44 293	656	755	1 615	2 310	1 130	3 091	5 065	5 366	2 528		
Architects	17 360	1 741	—	964	35	831	39	19	21	—	19	38	20	43	99		
Computer specialists	18 787	—	255	214	34	7 063	—	—	99	137	64	138	2 026	1 109	323		
Engineers	408 939	1 004	6 343	33 436	4 393	212 209	930	994	3 979	6 897	3 271	10 285	33 870	41 321	11 242		
Aeronautical and astronautical	22 532	—	—	—	—	19 663	—	61	—	—	—	—	60	325	18		
Chemical	18 133	21	406	520	—	14 096	38	—	417	375	127	132	513	416	204		
Civil	59 723	957	378	24 325	1 593	5 307	103	—	378	496	91	577	398	238	209		
Electrical and electronic	78 036	105	366	2 195	1 016	36 078	124	22	145	562	344	394	3 153	21 318	364		
Industrial	70 391	98	339	2 170	1 81	47 520	251	437	982	2 277	772	2 421	7 038	8 421	3 422		
Mechanical	66 721	212	721	2 350	642	42 282	158	47	609	753	498	2 743	11 586	4 284	5 500		
Other engineers	93 403	211	4 133	2 876	961	47 263	294	389	1 448	2 434	1 439	3 918	11 122	6 319	1 525		
Lawyers and judges	95 416	16	392	268	27	2 762	22	—	24	173	42	120	203	295	245		
Librarians, archivists, and curators	6 397	—	—	34	—	424	—	—	22	19	—	—	41	21	—		
Mathematical specialists	6 295	18	25	77	—	1 274	—	—	124	22	—	—	87	142	182		
Life and physical scientists	54 116	1 075	5 194	308	21	23 480	63	—	720	2 576	709	745	892	728	341		
Chemists	30 717	36	186	20 779	21	20 779	63	—	720	2 576	709	699	751	447	317		
Operations and systems researchers and analysts	23 662	22	132	203	40	14 050	55	89	187	546	149	498	1 815	2 090	763		
Personnel and labor relations workers	73 505	389	854	1 454	170	24 465	330	443	580	1 293	419	1 360	2 653	2 888	1 922		
Physicians, dentists, and related practitioners	193 444	4 932	20	38	19	1 054	—	—	22	58	—	18	59	117	158		
Dentists	35 422	—	—	—	—	104	—	—	22	—	—	—	—	41	—		
Pharmacists	33 026	—	—	—	—	163	—	—	—	—	—	—	—	—	—		
Physicians, medical and osteopathic	100 076	39	20	38	19	730	—	—	—	58	—	18	59	76	158		
Other related practitioners	22 980	4 893	—	—	—	57	—	—	—	—	—	—	—	—	—		
Registered nurses, dietitians, and therapists	14 067	55	—	38	19	313	—	—	—	19	20	—	16	22	65		
Health technologists and technicians	16 613	34	40	19	19	1 163	—	—	—	—	—	—	—	14	—		
Religious workers	89 409	—	—	—	—	112	—	—	—	—	—	—	—	22	—		
Social scientists	23 952	41	192	176	—	6 129	43	22	114	226	165	223	842	1 059	451		
Social and recreation workers	27 468	39	—	—	—	274	—	—	—	25	—	—	44	63	—		
Teachers, college and university	89 232	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Teachers, except college and university	169 791	40	24	124	38	2 100	—	—	36	160	—	—	262	238	158		
Engineers and science technicians	162 272	1 643	2 382	8 959	1 057	89 641	409	744	2 154	3 868	1 621	5 178	11 810	16 341	5 128		
Engineering and science technicians	54 593	146	737	3 792	861	30 787	143	562	539	1 038	329	3 797	7 007	5 615	2 514		
Electrical and electronic engineering technicians	30 821	—	95	320	146	14 462	43	19	124	98	68	39	1 289	8 034	1 159		
Industrial and mechanical engineering technicians	11 341	—	—	23	—	9 858	20	42	153	872	124	398	1 344	1 053	1 484		
Other engineering and science technicians	65 517	1 497	1 550	4 824	50	34 534	203	121	1 338	1 860	1 100	944	2 170	1 639	971		
Technicians, exc. health, and eng. and science	42 039	933	375	938	25	3 713	54	24	74	95	39	139	351	290	—		
Airplane pilots	15 310	634	207	161	—	1 159	35	24	53	36	19	95	86	129	—		
Embalmers	1 222	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Radio operators and air traffic controllers	13 615	102	50	388	25	306	19	—	21	44	—	44	—	42	—		
Other technicians, exc. health, and eng. and science	11 892	197	118	389	—	2 248	—	—	932	350	213	1 179	265	119	—		
Writers, artists, and entertainers	152 492	2 695	179	2 053	484	52 225	182	560	500	347	234	635	3 227	4 685	1 505		
Other professional, technical, and kindred workers	128 367	9 268	615	3 139	318	28 123	694	83	500	347	234	635	1 156	1 202	205		
Managers and administrators, except farm	2 356 870	9 341	19 660	194 499	59 582	437 402	16 085	9 946	17 430	11 454	6 492	32 352	51 793	37 131	12 022		
Buyers, purchasing agents, and sales managers	277 407	619	3 150	6 136	1 909	83 292	1 888	1 766	2 646	2 528	1 127	5 889	10 999	8 708	2 759		
Other managers and administrators	2 079 463	8 722	16 510	188 363	57 673	354 110	14 197	8 180	14 784	8 226	5 365	26 463	40 794	28 473	9 263		
Salaries	1 595 450	4 910	13 300	119 868	33 248	319 832	8 897	7 078	13 164	8 686	5 106	24 086	37 140	27 805	8 948		
Self-employed	484 013	3 812	3 120	68 495	24 425	34 278	5 300	1 102	1 620	240	259	2 377	3 654	618	315		
Sales workers	1 151 985	2 960	1 836	12 298	5 176	151 438	1 743	4 454	5 490	2 532	1 760	9 102	15 109	7 607	2 850		
Newsboys	6 344	—	—	—	—	4 759	—	—	—	—	—	—	—	—	—		
Other specified sales workers	335 757	387	60	1 316	346	13 214	47	43	118	92	—	186	604	289	77		
Salesmen and sales clerks, n.e.c.	809 884	2 573	1 776	10 982	4 830	133 485	1 696	4 411	5 372	2 440	1 760	8 916	14 505	7 318	2 773		

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Agriculture, forestry, and fisheries				Mining		Construction		Manufacturing						Motor vehicles and motor vehicle equipment
	Total	Agriculture, forestry, and fisheries	Mining	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies	
1 187 999	3 266	8 805	38 194	14 175	312 347	4 072	4 474	8 312	22 199	6 622	21 876	37 487	26 875	21 040	
97 471	754	1 952	6 505	2 180	21 552	538	370	736	1 482	587	1 590	2 181	1 652	1 421	
25 568	89	21	111	37	976	20	—	41	82	—	45	67	39	61	
60 378	294	429	13 269	7 678	12 400	204	248	114	501	136	1 652	1 767	1 017	663	
16 673	41	269	1 606	39	7 990	104	137	120	339	686	710	616	496	472	
37 772	37	314	1 606	502	6 278	1 009	1 37	120	546	885	6 004	6 885	5 105	3 331	
119 145	238	367	1 865	371	66 578	1 009	1 726	1 877	3 684	6 885	6 004	6 885	6 235	6 103	
115 380	252	4 228	13 254	2 685	142 516	1 580	1 195	4 099	13 022	2 976	7 568	15 611	11 974	8 374	
715 612	1 561	4 228	13 254	2 685	142 516	1 580	1 195	4 099	13 022	2 976	7 568	15 611	11 974	8 374	
3 914 527	17 440	74 240	954 727	459 727	1 487 889	35 617	36 254	45 039	135 405	35 868	109 208	177 664	95 199	93 951	
1 089 785	5 320	18 114	707 107	392 870	1 733 061	7 590	4 503	7 839	19 618	4 353	13 696	11 832	9 374	11 134	
33 534	214	211	44 147	26 395	6 099	22	—	664	3 472	204	1 871	2 022	1 576	201	
359 825	2 438	3 338	26 102	95 238	39 790	3 768	3 581	1 324	2 434	884	3 446	2 022	1 576	1 162	
169 882	125	4 691	64 609	58 724	55 804	710	238	2 117	6 752	932	3 446	4 970	4 816	4 964	
120 186	1 743	8 243	85 190	9 634	10 880	2 602	80	1 979	1 809	294	2 252	3 368	17	236	
151 643	432	403	101 556	91 111	14 251	205	532	219	330	152	863	1 415	1 061	1 050	
153 574	226	1 028	86 976	70 982	35 625	208	72	967	3 494	822	1 419	2 200	1 636	3 429	
81 171	249	1 390	63 603	40 786	10 312	73	—	569	1 377	65	5 414	609	135	92	
660 967	4 188	21 900	65 373	16 576	377 154	9 703	8 296	15 329	29 808	11 216	28 906	40 221	28 209	20 077	
840 708	4 385	14 568	43 237	18 055	238 556	4 234	2 653	10 273	13 788	5 203	12 154	24 070	15 778	22 829	
284 933	933	1 749	7 047	817	25 133	541	36	1 937	682	247	5 444	1 041	5 533	13 340	
450 523	631	2 655	25 257	18 518	374 304	4 201	2 089	5 387	42 031	11 176	45 987	91 916	34 153	34 453	
271 984	249	1 390	1 721	607	242 754	1 372	55	3 802	10 621	5 754	26 505	76 472	25 705	23 671	
25 063	110	487	2 766	1 206	14 029	18	—	135	3 830	444	3 902	878	204	4 499	
153 476	272	578	20 770	16 705	117 321	2 811	592	1 450	27 580	4 978	15 580	14 566	8 244	10 283	
103 113	254	54	621	131	96 191	18	33	185	372	117	1 597	599	545	1 055	
98 868	254	10 554	2 264	626	26 776	481	172	630	3 123	687	788	2 055	1 581	1 268	
670 563	2 662	6 395	110 868	12 951	201 847	9 390	18 508	5 196	26 669	3 116	6 720	6 971	5 559	4 085	
2 140 516	6 147	76 610	63 900	27 713	1 591 867	60 045	43 666	55 291	109 845	40 585	121 148	204 582	108 506	125 316	
134 781	93	268	599	298	129 039	2 227	7 426	890	1 603	659	10 084	31 859	19 756	24 556	
35 018	—	—	—	—	144 654	1 081	2 037	3 775	8 212	4 461	8 850	21 204	20 440	20 614	
31 721	82	110	193	113	32 007	2 252	4 418	1 887	931	1 096	4 672	3 215	1 630	4 383	
145 330	39	84	—	—	25 347	573	2 319	481	991	332	2 602	3 345	2 756	4 339	
19 971	181	648	817	354	138 330	88	2 264	2 028	10 370	2 171	13 179	56 843	10 773	15 467	
52 711	20	20	54	—	19 278	88	361	246	696	307	2 023	7 883	2 122	2 009	
48 518	21	256	82	40	50 336	271	145	566	6 384	1 204	4 900	19 676	2 915	7 543	
24 130	38	187	518	288	45 819	1 047	619	990	6 384	531	3 501	19 039	3 773	3 384	
38 461	102	91	163	26	22 897	132	1 139	230	4 32	129	2 755	10 245	1 963	2 531	
2 389	38	25	322	190	37 327	132	816	373	2 691	1 194	9 349	5 864	5 102	7 844	
46 390	131	—	—	—	2 215	—	—	82	17	—	228	302	671	300	
177 756	635	500	498	152	24 261	2 524	730	4 172	1 414	814	365	823	665	733	
794 228	1 735	3 330	20 390	8 759	119 156	1 002	1 750	2 331	12 881	1 964	22 617	24 798	7 300	14 530	
249 584	1 664	71 223	30 623	15 472	439 485	26 681	9 888	11 214	27 870	9 093	15 820	14 085	11 348	8 756	
130 176	342	39	2 968	707	223 095	8 474	5 111	13 533	17 550	10 019	12 835	18 211	8 949	6 827	
137 015	542	22	3 748	390	116 202	3 797	3 230	4 467	6 622	3 928	10 415	18 211	7 374	9 674	
73 013	665	102	3 748	724	98 790	5 085	2 750	6 508	11 072	3 309	5 838	7 854	7 854	4 241	
971 136	8 683	16 253	68 001	8 028	192 491	13 623	2 676	17 731	10 218	4 510	8 761	8 826	4 760	10 710	
170 262	973	881	2 054	874	43 909	524	473	1 506	3 666	275	860	1 085	490	4 477	
62 407	181	1 510	58 199	533	83 193	3 893	704	3 294	3 114	2 007	3 521	3 173	1 780	4 477	
476 029	6 677	10 696	6 238	447	20 716	8 937	1 426	12 603	4 058	1 924	3 890	4 038	2 094	4 037	
262 438	852	4 258	6 238	447	20 716	269	73	603	2 680	304	490	530	396	1 721	

PERSONS 45 TO 64 YEARS OLD—Continued

Male, employed—Continued

Clerical and kindred workers	Bookkeepers	Cashiers	Estimators and investigators, n.e.c.	Office machine operators	Secretaries, stenographers, and typists	Shipping and receiving clerks	Stock clerks and storekeepers	Other clerical and kindred workers
Craftsmen and kindred workers	Construction craftsmen	Brickmasons and stonemasons	Carpenters	Electricians	Excavating, grading and road machine operators	Painters (const. & maint.), plasterers, & paperhangers	Plumbers and pipefitters	Other construction craftsmen
Foremen, n.e.c.	Mechanics and repairmen	Automobile, including body	Metal craftsmen, except mechanics	Machinists, job setters, and toolmakers	Blacksmiths, forgers, hammermen, boilermakers	Other metal craftsmen	Printing craftsmen	Stationary engineers and power station operators
Other craftsmen and kindred workers	Assemblers	Checkers, examiners, and inspectors, manufacturing	Filters, polishers, sanders, and buffers	Painters, manufactured articles	Precision machine operators	Drill press operators	Grinding machine operators	Lathe and milling machine operators
Punch and stamping press operators	Solders	Stationary firemen	Welders and flame-cutters	Other specified operatives	Machine operatives, miscellaneous specified	Machine operatives, not specified	Miscellaneous operatives, n.e.c.	Not specified operatives
Transport equipment operatives	Deliverymen and rouletmen	Fork lift and tow motor operatives	Truck drivers	Other transport equipment operatives				



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment			
	Total	Total	Total	Total	Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical					
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>																		
<b>Male, employed—Continued</b>																		
<b>Laborers, except farm</b>	899 155	50 556	8 890	194 143	28 345	247 854	4 122	13 922	32 724	5 459	11 998	12 490	7 110	10 918				
Construction laborers	188 805	272	1 202	165 008	26 248	7 779	1 199	1 424	1 791	249	7 739	4 291	78	114				
Freight, stock, and material handlers	271 175	418	4 826	3 924	1 496	9 149	2 220	5 914	7 513	1 434	4 681	5 182	3 908	6 425				
Vehicle washers and equipment cleaners	24 010	69	281	209	37	10 674	55	423	602	263	545	1 076	310	866				
Other specified laborers	232 813	47 097	541	24 475	564	49 212	254	289	629	220	612	4 477	440	290				
Miscellaneous laborers	73 352	1 983	835	30 370	—	2 514	152	1 083	12 554	905	2 513	2 097	665	1 143				
Not specified laborers	108 800	717	1 205	527	—	38 324	1 242	4 789	9 635	2 388	2 908	3 237	1 709	2 080				
<b>Farm workers</b>	928 879	928 879	—	—	—	—	—	—	—	—	—	—	—	—				
<b>Service workers, including private household</b>	1 354 830	4 511	4 806	17 170	1 837	188 935	3 341	5 828	12 838	3 912	9 581	14 999	14 366	12 843				
Cleaning service workers	563 955	2 289	2 761	9 831	1 035	117 753	1 956	4 162	7 921	2 692	6 756	10 894	9 347	8 957				
Food service workers	215 365	405	383	426	66	3 374	—	22	92	9	20	99	172	53				
Health service workers	40 012	154	51	—	—	215	—	—	44	50	—	—	—	19				
Personal service workers	127 556	177	91	809	118	3 901	40	88	114	111	177	173	109	255				
Guards and watchmen	153 387	989	1 349	3 438	241	47 428	1 54	1 448	4 096	989	2 336	3 342	4 299	3 194				
Other service workers, including private household	254 555	497	171	2 666	377	16 264	1 135	1 08	571	61	292	491	459	365				
<b>Female, employed</b>	10 116 907	126 000	14 654	92 349	40 533	2 047 935	35 429	38 502	21 379	17 831	80 999	105 526	243 588	50 807				
<b>Professional, technical, and kindred workers</b>	1 459 304	2 059	1 235	4 126	793	71 354	295	2 048	1 207	771	2 263	4 485	9 315	1 582				
Accountants	71 825	289	333	1 734	358	9 832	19	317	114	154	699	1 461	1 461	292				
Computer specialists	5 743	17	34	37	—	172	—	15	20	19	31	464	310	48				
Engineers	6 908	19	60	559	44	1 772	—	52	108	38	101	277	832	70				
Librarians, archivists, and curators	43 415	21	98	53	—	1 092	—	74	43	21	—	87	86	22				
Life and physical scientists	6 311	278	155	13	—	1 786	—	—	17	41	96	105	54	14				
Physicians, dentists, and related practitioners	14 108	141	23	117	17	279	—	206	580	187	462	914	853	773				
Registered nurses, dietitians, and therapists	314 536	195	23	7 923	—	7 923	61	—	—	—	—	—	—	—				
Health technologists and technicians	34 826	20	20	—	—	124	—	—	—	—	—	—	—	—				
Social scientists	5 707	—	—	—	—	334	—	—	—	—	—	—	44	24				
Social and recreation workers	50 109	—	—	—	—	75	—	—	—	—	—	—	38	—				
Teachers, except college and university	619 058	23	—	54	54	1 807	84	86	—	—	41	79	405	28				
Engineering and science technicians	24 288	182	277	451	19	14 718	19	284	147	166	359	746	3 439	130				
Technicians, exc. health, and engineering and science	4 969	22	16	63	63	1 880	—	—	—	—	—	—	20	—				
Writers, artists, and entertainers	63 027	292	20	497	212	17 982	38	759	22	82	137	239	616	48				
Other professional, technical, and kindred workers	194 474	560	199	548	89	10 533	93	255	156	63	317	420	1 157	133				
<b>Managers and administrators, except farm</b>	532 311	1 252	747	6 191	2 607	32 078	770	769	409	322	1 919	2 746	2 361	394				
Buyers, purchasing agents, and sales managers	63 201	67	107	333	78	4 819	124	103	30	—	294	757	565	110				
Other managers and administrators	469 110	1 185	640	5 858	2 529	27 259	646	666	379	322	1 625	1 989	1 796	284				
Salaries	346 582	692	503	4 651	1 841	23 398	538	475	379	322	1 424	1 824	1 755	246				
Self-employed	122 608	493	137	1 207	688	3 861	108	191	—	—	201	165	41	38				
<b>Sales workers</b>	862 902	1 632	113	1 629	727	21 383	264	306	38	70	323	380	1 025	77				
<b>Clerical and kindred workers</b>	2 996 787	15 217	9 086	61 982	27 298	466 931	1 158	11 003	11 243	6 675	25 535	42 871	48 364	14 983				
Billing clerks	25 716	109	39	295	174	7 551	144	233	325	124	517	726	726	181				
Bookkeepers	490 275	5 541	1 613	21 929	11 975	78 384	2 314	869	1 187	1 060	5 230	7 115	6 330	1 522				
Cashiers	189 013	118	23	124	23	3 159	39	24	169	19	82	271	271	263				
Counter clerks, except food	51 741	39	123	103	60	7 183	65	65	205	21	112	514	709	143				
File clerks	78 823	94	108	909	344	16 957	144	144	339	329	712	1 778	1 950	807				
Office machine operators	78 367	41	233	826	128	20 815	171	420	796	314	983	2 339	2 336	1 299				
Bookkeeping and billing machine operators	12 942	—	20	216	73	2 233	33	111	63	40	182	2 339	2 336	39				
Keypunch operators	33 793	—	115	394	39	9 996	22	203	497	151	444	1 266	1 163	739				

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Date based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Agriculture, forestry, and fisheries		Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total	Special trade contractors		Total	Special trade contractors	Total	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)			Machinery, except electrical
<b>PERSONS 45 TO 64 YEARS OLD - Continued</b>														
<b>Female, employed - Continued</b>														
<b>Clerical and kindred workers - Continued</b>														
Payroll and timekeeping clerks	249	467	220	1 617	16 488	261	520	579	493	894	2 137	1 786	453	
Receptionists	980	422	151	1 000	6 106	80	227	116	56	529	609	440	203	
Secretaries	3 553	9 526	4 433	20 843	124 001	2 003	3 517	3 311	2 368	8 336	13 312	15 382	4 807	
Statistical clerks	167	123	173	399	10 581	41	100	433	139	300	1 097	1 639	434	
stenographers	285	125	215	789	6 072	60	240	346	139	392	884	1 433	261	
Telephone operators	42	158	103	642	8 948	124	192	304	143	537	904	1 149	361	
Typists	944	1 034	426	3 719	41 230	473	655	1 341	631	2 650	3 983	4 608	1 590	
Other clerical and kindred workers	3 055	2 819	1 347	8 767	119 456	1 581	2 146	1 961	909	4 260	3 985	10 605	2 659	
<b>Craftsmen and kindred workers</b>														
Foremen, n.e.c.	641	6 431	701	10 396	105 464	3 846	1 269	1 863	1 039	3 860	4 458	10 952	1 907	
Mechanics and repairmen	44	30	351	331	37 978	769	610	224	263	1 019	1 079	3 952	390	
Printing craftsmen	49	194	102	311	8 401	51	109	113	71	338	513	2 622	559	
		22		22	17 654	43	21	11		238	293	381	39	
<b>Operatives, except transport</b>														
Assemblers	3 287	1 170	1 978	1 971	1 280 226	21 643	20 899	4 672	8 337	43 181	46 987	165 616	29 249	
Boring and turning operatives	46	136	46	234	154 263	3 169	1 207	340	1 275	8 381	16 342	65 620	10 296	
Checkers, examiners, inspectors, manufacturing					6 933					133	44	86	20	
Graders and sorters, manufacturing					145 651	1 505	6 895	1 015	1 753	6 175	8 326	30 474	4 245	
Packers and wrappers, except produce	1 250	47		67	10 728	37	245	173	38	145	87	30 316	86	
Produce graders and packers, exc. factory and farm	427				92 105	1 212	2 940	253	593	3 921	2 337	4 893	945	
Mixing operatives			23		846	22	74		38	20	18	28		
Sewers and stitchers	43	105		105	317 411	6 426	278		21	244	217	453	1 850	
Other specified operatives	492	755	1 909	1 235	316 740	5 015	2 463	1 198	2 064	12 324	10 970	28 702	6 579	
Machine operatives, miscellaneous specified	294	33		108	98 562	1 590	3 490	813	1 248	4 168	2 834	13 980	1 725	
Machine operatives, not specified	61	19		38	50 700	886	643	333	787	4 762	2 998	7 797	2 132	
Miscellaneous operatives	532	62		150	55 567	1 307	1 998	223	311	1 671	1 565	8 101	586	
Not specified operatives	142	13		34	29 999	474	666	324	209	1 239	1 229	5 166	785	
<b>Transport equipment operatives</b>														
Deliverymen and roufemen	333	109	101	735	3 365	19	245	126	42	162	91	166	361	
	74	10		32	921					26		23	67	
<b>Laborers, except farm</b>														
Farm workers	5 386	500	121	2 531	33 816	742	1 110	644	281	2 683	1 015	2 585	621	
<b>Farm workers</b>														
Service workers, except private household	92 982													
Cleaning service workers	3 211	698	572	2 788	33 318	692	853	1 177	294	1 073	2 493	3 204	1 633	
Cleaners and charwomen	509	388	396	1 896	16 935	446	501	824	213	505	1 424	1 619	808	
Food service workers	1	179	160	1 070	7 665	201	308	308	99	180	659	620	307	
Waiters and food counter workers	994	80	58	1 116	8 816	87	97	249	37	197	639	757	523	
Health service workers	78	37	36	75	2 223	22	17	134		58	160	301	123	
Personal service workers	118	19	21	37	883	19	39	57		170	126	19	51	
Protective service workers	345	23	21	98	2 424	66	73	21	24	46	150	302	111	
Private household workers	43	21	13	165	660	38	14		20	35	19	105	29	
<b>523 329</b>														

\*Includes allocated cases not shown separately.



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Manufacturing - Con.											Transportation, communications, and other public utilities			
	Manufacturing - Con.											Transportation, communications, and other public utilities			
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
17 757	9 234	5 690	20 080	18 993	9 962	7 364	11 137	18 408	18 066	7 795	14 904	42 476	24 765	35 713	
625	500	337	828	2 495	725	556	575	1 182	1 582	445	1 245	2 999	1 765	1 458	
42	22	285	589	305	146	20	39	994	535	197	376	693	186	4 948	
1 043	222	268	286	323	101	138	199	847	505	59	333	2 168	898	583	
266	64	87	348	447	184	299	186	1 152	223	223	311	2 231	271	780	
231	144	348	348	5 894	3 717	3 938	3 247	2 448	4 886	3 023	2 288	2 398	6 495	3 457	
1 312	653	435	3 403	2 324	3 150	644	1 814	2 448	2 704	2 410	1 631	3 555	1 119	2 226	
4 152	1 845	1 089	2 404	7 030	3 150	1 648	4 660	10 815	7 518	2 410	8 614	27 390	13 420	22 099	
10 086	4 784	3 189	12 213	30 030	13 150	6 448	10 815	10 815	7 518	2 410	8 614	27 390	13 420	22 099	
74 998	67 450	20 322	89 130	80 640	53 615	23 962	45 189	108 372	70 562	25 969	63 475	121 651	32 849	58 696	
7 114	25 283	2 690	4 123	6 363	3 451	582	7 010	1 877	14 115	3 347	7 169	13 880	1 131	5 704	
20	54	801	37	74	20	28	146	305	1 956	335	1 463	3 356	300	316	
1 068	10 391	1 249	1 334	1 366	1 165	205	864	305	4 295	1 384	1 459	5 788	175	2 329	
3 809	4 844	681	1 331	2 517	1 377	286	3 081	46	940	200	332	792	410	415	
66	174	118	582	679	86	17	462	439	1 171	1 257	2 456	1 427	65	983	
946	3 634	447	1 666	540	159	17	245	59	5 254	1 257	3 436	2 275	42	453	
1 088	5 203	602	700	1 112	608	28	1 924	59	283	79	1 173	154	139	453	
117	963	41	15 838	26 548	36	18	62	59	26 232	10 110	16 934	16 914	11 334	8 462	
17 695	10 116	5 572	8 019	19 857	19 653	3 353	15 165	12 973	14 869	5 449	7 722	27 122	16 700	36 692	
19 855	5 469	5 175	8 195	3 187	24 759	3 284	8 686	4 434	14 869	5 449	7 722	27 122	16 700	36 692	
360	360	421	195	3 187	139	42	348	130	530	225	295	348	15 030	10 883	
27 599	18 427	5 595	14 297	5 640	3 649	552	6 438	1 828	8 169	5 496	5 221	8 555	478	1 961	
18 871	9 107	4 331	10 049	3 984	3 068	475	3 237	3 343	4 522	4 691	3 732	5 482	197	1 047	
444	1 386	65	78	3 227	260	259	260	259	551	78	667	1 487	281	82	
8 284	7 934	1 199	4 170	1 429	532	77	2 941	226	3 096	727	822	1 386	281	832	
147	140	40	529	3 377	709	255	3 488	330	581	240	423	78	587	22	
688	311	304	737	3 599	516	167	343	387	3 422	551	3 174	1 089	587	1 809	
1 900	7 704	946	45 587	18 256	878	10 768	2 223	587	3 176	776	22 832	54 013	2 619	4 046	
60 540	32 756	16 849	112 959	101 501	84 952	33 332	60 935	17 847	65 016	47 817	88 359	14 230	5 664	16 141	
12 172	2 857	2 581	6 716	899	301	275	384	273	886	1 069	1 566	69	81	160	
12 490	2 568	4 321	5 078	4 212	4 114	1 096	2 206	616	2 522	4 946	9 811	55	22	56	
1 610	2 556	295	3 982	89	169	22	106	19	1 063	415	615	134	19	56	
1 202	1 521	169	1 282	417	182	161	500	80	1 063	415	615	588	72	101	
11 018	2 269	1 524	3 878	725	529	108	529	233	642	1 344	836	83	72	101	
1 309	524	225	860	17	100	27	118	27	18	220	125	83	72	101	
3 755	663	472	692	366	42	23	145	27	179	223	149	179	17	44	
4 664	873	515	1 598	230	227	41	159	158	386	796	430	195	17	57	
1 290	209	312	728	112	160	44	107	21	59	105	132	278	55	57	
1 036	551	41	995	4 868	45	84	217	204	186	282	321	85	20	—	
64	30	53	374	41	—	—	—	—	—	—	53	—	—	—	
572	285	361	402	2 060	1 304	171	216	120	2 750	546	1 734	327	100	724	
3 824	13 012	1 143	2 137	1 349	1 355	76	1 110	110	3 177	586	2 738	4 960	602	926	
4 183	3 525	1 619	65 301	43 273	77 832	24 791	14 872	6 169	13 931	6 646	42 582	1 580	3 059	10 462	
2 949	1 922	1 572	9 241	27 476	2 764	24 260	24 260	5 145	17 486	20 340	14 798	359	648	274	
4 269	790	1 562	4 509	6 216	—	328	7 487	1 689	13 173	4 561	3 902	1 426	326	271	
2 359	1 898	810	5 801	9 878	—	2 591	4 680	2 806	13 173	4 561	3 902	1 426	326	271	
2 812	1 272	798	3 257	4 868	—	865	2 223	383	4 086	4 221	3 140	2 982	630	995	
2 176	2 887	1 475	10 695	51 343	3 812	1 258	8 934	6 120	8 473	3 688	9 815	42 302	195 586	131 996	
119	228	69	658	30 352	—	208	670	3 084	868	208	862	606	11 329	1 329	
795	614	560	5 289	5 289	1 076	87	4 027	516	2 165	1 572	1 734	789	2 652	1 567	
1 027	1 829	727	2 526	14 904	2 219	916	3 856	2 169	4 898	1 776	3 614	4 052	180 452	2 527	
Other transport equipment operators	216	119	6 391	798	188	47	381	351	542	177	4 205	36 855	1 153	567	

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Manufacturing—Con.										Transportation, communications, and other public utilities									
	Other transportation equipment parts										Total				Other transportation					
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods	Other non-durable goods
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>																				
<b>Male, employed—Continued</b>																				
<b>Laborers, except farm</b>																				
Construction laborers	4 797	1 974	16 776	26 655	9 749	1 989	8 729	3 301	9 385	5 239	13 224	32 386	29 327	27 326						
Freight, stock, and material handlers	45	19	140	326	221	46	180	18	404	102	329	727	104	369						
Vehicle washers and equipment cleaners	1 262	810	2 134	13 182	5 077	1 511	3 956	2 357	4 422	2 276	3 166	6 914	26 870	21 734						
Other specified laborers	180	522	251	2 312	1 737	35	549	175	245	430	524	1 308	217	1 727						
Miscellaneous laborers	313	1 52	11 846	865	418	55	534	210	832	148	5 786	17 487	581	856						
Miscellaneous laborers	107	571	482	1 981	962	17	719	17	321	617	675	17 527	264	932						
Not specified laborers	509	1 719	1 923	7 989	1 934	305	2 791	524	3 161	1 666	2 744	14 131	1 291	1 708						
<b>Farm workers</b>																				
Cleaning service workers	6 260	4 222	14 121	19 320	9 825	5 419	8 005	6 475	12 121	5 402	12 034	11 447	3 898	17 101						
Food service workers	3 200	1 874	5 810	13 092	6 649	3 339	5 485	5 011	7 751	3 932	5 122	3 797	2 360	6 033						
Health service workers	108	56	31	1 815	36	24	213	105	196	30	154	2 128	16	3 344						
Personal service workers		40		23			16		23			97		58						
Guards and watchmen		63		952	300	251	143	237	127	153	413	1 689	416	2 834						
Other service workers, including private household	2 469	1 625	1 418	3 056	2 748	1 805	1 891	918	3 497	1 083	1 867	6 791	1 040	1 679						
	483	584	6 215	382	92		257	204	527	184	4 478	2 371	66	3 153						
<b>Female, employed</b>																				
<b>Professional, technical, and kindred workers</b>																				
Accountants	3 489	881	4 741	4 231	2 673	3 448	1 781	14 502	6 986	1 429	3 340	688	667	1 960						
Computer specialists	174	240	472	855	200	265	281	696	764	225	479	3 537	401	1 012						
Engineers	181	41	60	37	36			156	88		36	271	25							
Librarians, archivists, and curators	307	24	204	44	45	151	55	89	153	52	90	805								
Life and physical scientists	144	54	61	111	24	24	24	207	102	20	73	124								
Physicians, dentists, and related practitioners	21	39	95	140	21		18	18	865	46	105	70								
Registered nurses, dietitians, and therapists			13	21		24			199	22	200	59								
Health technologists and technicians	544	284	424	437	271	90	424	162	604	19	200	121	17	95						
Social scientists			66	38				21	19		19	321		41						
Social and recreation workers			17						43											
Teachers, except college and university	24		89	58	351	386	45		30	19	82	111		78						
Engineering and science technicians	565	120	750	1 777	1 084	288	569	108	3 220	458	321	71	15	335						
Technicians, exc. health, and engineering and science	19	22	20	152	20	21	20	20	17	21			22	22						
Writers, artists, and entertainers	296	78	439	408	408	1 754	136	11 956	227	128	202	42	60	198						
Other professional, technical, and kindred workers	590	84	2 013	561	212	449	209	979	655	261	1 733	96	127	145						
<b>Managers and administrators, except farm</b>																				
Buyers, purchasing agents, and sales managers	643	328	3 001	2 818	748	3 299	765	5 714	1 879	626	1 601	581	2 209	5 815						
Other managers and administrators	158	83	333	169	65	165	153	859	370	130	179	304	37	1 111						
Other managers and administrators	485	245	2 648	2 649	683	3 134	612	4 855	1 509	496	1 422	14 444	2 172	5 704						
Self-employed	465	227	2 190	2 346	593	2 431	612	3 749	1 392	452	1 306	12 789	1 538	4 872						
Self-employed	20	18	478	303	90	703		1 106	117	44	116	1 655	634	832						
<b>Sales workers</b>																				
Billing clerks	20 240	5 905	41 014	30 996	15 577	21 252	13 845	67 052	30 467	10 507	28 943	14 246	21 899	25 453						
Bookkeepers	29	64	666	501	613	339	375	875	348	184	193	365	623	293						
Cashiers	1 287	2 287	5 935	8 501	2 835	6 754	2 421	10 380	4 175	1 671	3 319	1 221	5 912	3 480						
Counter clerks, except food	173	62	49	501	82	197	93	405	323	173	173	139	567	1 235						
File clerks	179	62	51	305	448	241	206	2 660	447	189	23	1 686	171	1 331						
Office machine operators	1 627	367	1 097	460	447	722	402	3 476	1 984	221	734	4 420	703	550						
Bookkeeping and billing machine operators	1 201	225	1 160	1 472	559	724	556	2 606	1 924	718	1 179	746	746	482						
Keypunch operators	20	19	228	217	97	139	97	410	73	68	141	19	210	29						
Keypunch operators	704	118	590	441	337	345	214	963	694	398	364	536	290	339						

\*Includes allocated cases not shown separately.



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>														
Male, employed	136 239	339 038	848 235	199 556	1 952 350	307 863	422 287	82 275	258 242	704 089	682 546	145 750	241 568	295 228
Professional, technical, and kindred workers	33 915	32 679	32 326	3 602	61 133	3 090	4 464	966	3 197	44 486	36 105	11 019	15 956	9 130
Accountants	1 946	4 240	7 092	1 276	7 241	1 027	2 073	195	535	2 296	14 447	6 354	4 857	3 236
Architects	83	81	61	—	43	48	—	23	—	60	275	22	137	116
Computer specialists	538	391	564	125	336	70	87	—	—	115	1 152	276	804	72
Engineers	16 277	15 540	11 752	352	2 860	241	560	45	41	1 413	3 994	247	2 743	1 004
Aeronautical and astronautical	—	—	19	—	69	—	—	—	—	—	19	—	19	—
Chemical	25	331	429	—	358	—	40	—	—	29	100	—	61	39
Civil	523	3 059	335	37	358	83	152	—	—	56	874	91	434	349
Electrical and electronic	13 743	7 506	843	14	448	24	—	—	—	288	222	28	24	170
Industrial	640	938	911	74	393	44	55	—	20	117	2 202	63	2 025	88
Mechanical	205	1 448	1 318	165	430	21	116	21	21	213	146	—	58	88
Other engineers	1 141	2 258	7 897	62	1 162	31	197	24	21	710	431	65	122	244
Lawyers and judges	266	519	222	62	275	21	21	21	—	127	3 249	530	2 020	699
Librarians, archivists, and curators	60	20	18	—	166	—	20	—	—	146	42	—	—	42
Mathematical specialists	154	181	105	—	42	—	22	—	—	146	950	136	814	—
Life and physical scientists	88	808	1 000	150	380	21	73	—	19	218	218	64	15	139
Chemists	—	491	649	94	165	21	18	—	19	58	107	20	15	72
Operations and systems researchers and analysts	164	304	321	—	103	20	43	—	—	194	1 056	335	683	38
Personnel and labor relations workers	2 225	1 794	2 398	628	3 981	996	594	195	194	1 167	3 140	1 018	1 821	301
Physicians, dentists, and related practitioners	86	1 022	1 330	—	32 608	234	—	20	—	32 103	120	—	—	22
Dentists	—	—	159	—	159	—	—	—	—	159	—	—	—	—
Pharmacists	—	36	83	—	31 196	225	234	—	—	30 737	120	—	98	22
Physicians, medical and osteopathic	71	66	352	—	901	—	—	20	—	855	—	—	—	—
Other related practitioners	15	—	18	—	26	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	26	—	19	—	172	38	—	—	66	68	17	—	—	17
Health technologists and technicians	—	220	38	—	150	—	—	—	—	113	—	—	—	—
Religious workers	—	—	21	—	45	—	—	—	—	45	—	—	—	—
Social scientists	245	268	919	105	390	69	117	21	42	120	1 686	695	420	18
Social and recreation workers	20	18	—	—	—	—	—	—	—	—	120	99	—	21
Teachers, college and university	—	146	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	109	—	143	26	665	96	55	—	39	409	63	—	63	—
Engineering and science technicians	4 193	4 435	1 781	235	1 185	178	160	43	19	720	719	130	208	381
Draftsmen	275	1 468	779	22	663	45	60	20	—	480	389	75	104	210
Electrical and electronic engineering technicians	3 589	947	212	22	313	97	47	23	—	146	56	36	20	20
Industrial and mechanical engineering technicians	22	41	130	18	19	—	—	—	19	—	41	—	—	21
Other engineering and science technicians	307	1 979	660	195	190	23	53	—	—	94	233	19	64	150
Technicians, exc. health, and eng. and science	1 610	952	558	22	429	42	145	—	36	206	319	—	151	168
Airplane pilots	33	74	145	—	159	—	59	—	18	82	87	—	23	64
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	1 919	450	62	—	36	—	—	—	18	18	20	—	—	20
Other technicians, exc. health, and eng. and science	338	428	351	22	234	—	86	—	—	106	130	—	46	84
Writers, artists, and entertainers	5 651	2 114	2 851	433	6 282	1 181	245	366	2 183	2 017	2 503	770	988	745
Other professional, technical, and kindred workers	174	546	2 333	167	3 649	100	228	—	23	3 123	2 017	343	134	1 540
Managers and administrators, except farm	24 433	28 280	205 038	46 063	588 542	106 887	128 619	31 661	84 154	184 333	180 483	80 171	42 257	58 055
Buyers, purchasing agents, and sales managers	1 697	2 932	56 831	17 888	85 499	16 398	12 035	7 409	1 983	28 812	11 369	965	7 416	2 988
Other managers and administrators	22 736	25 348	148 207	28 175	503 043	90 489	116 584	24 252	82 171	155 521	169 114	79 206	34 841	55 067
Self-employed	22 374	24 581	117 683	21 234	263 635	39 903	59 909	15 401	36 044	87 779	151 201	78 606	31 949	40 646
Salaries	362	767	30 524	6 941	239 408	50 586	56 675	8 851	46 127	67 742	17 913	600	2 892	14 421
Sales workers	3 607	4 678	229 664	41 996	428 283	41 201	98 354	32 069	3 875	198 641	269 335	2 024	140 418	126 893
Newsboys	—	—	63	—	1 542	—	—	—	—	470	—	—	—	—
Other specified sales workers	2 546	329	7 667	406	27 939	155	208	—	—	18 403	268 489	1 432	140 418	126 639
Salesmen and sales clerks, n.e.c.	1 061	4 349	221 934	41 590	398 802	41 046	98 146	32 069	3 875	179 768	846	592	—	234

58 Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate			
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance
11 166	33 054	12 659	66 404	19 321	14 168	19 321	10 518	2 494	4 482	31 956	87 159	33 148	21 791
594	3 189	2 763	9 585	1 795	1 440	1 795	4 197	701	1 394	6 481	7 388	1 452	2 579
78	402	136	369	7 366	823	7 366	363	36	1 428	1 286	63	1 342	1 767
875	3 075	136	1 617	2 629	497	2 629	593	65	113	1 209	5 759	2 979	454
123	447	198	1 856	89	192	89	89	236	22	1 348	4 215	1 410	962
499	468	394	1 071	352	332	173	462	173	143	4 414	643	1 843	297
146	360	3 572	19 079	2 503	4 659	2 503	744	638	385	4 414	1 410	1 590	165
1 346	2 763	1 168	8 215	3 795	2 825	3 795	1 174	314	402	3 214	64 939	26 676	15 244
7 445	22 350	4 292	24 782	3 415	3 400	3 415	2 959	504	595	13 861	25 789	4 682	17 911
57 169	145 422	19 972	99 656	23 478	23 478	23 478	100 599	9 650	3 305	120 798	10 919	1 165	9 023
1 312	22 325	1 020	8 066	1 018	3 031	1 018	630	196	612	16 617	140	26	114
218	158	42	230	—	19	—	42	175	21	400	287	192	3 560
458	1 343	238	2 233	695	1 636	695	792	—	297	6 918	1 339	449	698
109	8 771	245	1 942	128	543	128	84	—	40	1 213	3 488	284	586
380	4 464	121	1 847	111	419	111	100	21	234	1 837	271	37	899
17	6 267	136	1 045	205	209	205	436	—	20	2 932	31	110	2 010
7 749	34 535	441	482	5 939	4 774	5 939	4 971	1 087	371	11 116	661	461	2 405
1 880	29 259	9 554	33 485	2 832	9 153	2 832	90 735	284	821	41 080	80	22	140
514	3 430	1 475	8 522	1 244	1 251	1 244	87 711	134	20	2 598	340	—	284
182	539	534	6 280	119	281	119	835	39	21	2 808	125	—	65
142	1 543	255	3 985	84	1 500	84	724	18	21	912	100	—	94
—	1 669	27	3 364	17	71	17	65	—	1	240	35	—	75
40	327	257	1 939	60	60	60	46	—	18	656	316	299	2 073
118	64	32	1 537	164	164	164	317	—	16	380	625	325	2 041
497	27 122	585	2 293	404	5 671	404	2 111	8 044	1 446	48 538	3 571	1 322	400
45 431	28 578	3 892	18 032	81 419	5 671	15 609	2 111	8 044	1 446	48 538	3 571	1 322	400
670	18 412	18 640	54 938	65 227	2 865	65 227	61 013	1 884	1 756	21 442	2 545	400	1 810
—	119	162	1 624	19	41	19	94	—	37	741	17	—	17
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	59	—	512	35	41	35	462	—	20	455	—	—	74
67	107	41	1 235	18	63	18	1 787	21	21	208	—	—	23
—	21	—	257	—	—	—	69	—	—	474	—	—	—
—	21	22	352	—	—	—	—	—	21	39	—	—	—
39	23	19	408	—	—	—	31	21	—	56	—	—	—
28	42	—	218	—	—	—	38	—	—	72	—	—	—
—	37	—	315	—	—	—	—	21	—	26	—	—	—
18	—	16	16	—	—	—	—	—	—	21	22	22	659
41	3 905	718	4 681	66	70	66	20	20	—	382	798	41	98
149	2 302	58	27 733	62 698	1 730	62 698	322	24	—	1 131	41	20	107
78	1 609	13 026	136 707	—	2 083	—	55 717	1 652	1 331	13 226	528	59	412
91	1 852	2 741	3 399	79	287	79	1 123	19	324	2 208	103	124	89
143	4 687	5 591	5 344	934	85	934	825	35	23	494	64	24	33
83	646	739	2 058	396	36	396	468	21	—	907	48	52	276
—	—	—	—	—	—	—	—	—	—	1 169	—	—	120
585	19 498	37 721	99 835	16 030	7 678	16 030	8 924	672	1 997	51 381	2 724	240	1 524
221	582	22 381	46 523	9 097	5 483	9 097	3 174	282	1 259	22 676	190	35	42
63	—	2 037	4 721	1 276	272	1 276	60	—	67	22 957	42	—	42
260	17 816	12 820	43 111	5 392	1 801	5 392	4 649	285	514	911	118	93	706
104	1 037	483	5 480	265	122	265	1 041	45	157	22 440	652	112	641



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Transportation, communication, and other public utilities—Cont.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>														
<b>Male, employed—Continued</b>														
<b>Laborers, except farm</b>														
Construction laborers	1 529	44 303	46 981	14 535	4 370	23 425	6 200	399	880	22 409	15 556	506	279	14 771
Freight, stock, and material handlers	335	5 663	5 998	19	65	59	100	—	—	1 340	389	—	61	328
Vehicle washers and equipment cleaners	571	21 444	22 015	10 323	3 712	21 729	969	332	133	9 235	512	131	41	340
Other specified laborers	64	1 734	1 798	301	4 322	96	4	19	—	123	10 849	210	—	10 498
Miscellaneous laborers	115	9 798	9 913	946	258	607	262	—	282	5 817	1 862	—	141	10 498
Not specified laborers	228	5 327	5 555	645	18	293	11	48	465	1 040	1 944	165	36	1 743
<b>Farm workers</b>														
Service workers, including private household	3 225	12 712	13 413	4 368	13 074	6 827	3 596	2 540	154 596	28 643	62 850	15 319	4 188	43 343
Cleaning service workers	2 642	9 879	8 410	2 815	8 123	4 316	3 076	2 190	9 392	6 785	40 243	8 493	3 118	28 632
Food service workers	70	98	689	453	922	1 501	18	41	142 490	2 061	572	132	243	197
Health service workers	23	107	27	27	44	21	—	—	—	—	19	—	—	19
Personal service workers	124	107	566	270	738	82	177	55	2 341	526	7 299	302	—	6 844
Guards and watchmen	343	2 058	2 239	708	3 056	748	204	254	325	1 361	10 068	6 136	653	3 279
Other service workers, including private household	23	570	1 482	95	191	159	121	—	48	17 910	4 649	256	21	4 372
<b>Female, employed</b>														
<b>Professional, technical, and kindred workers</b>														
Accountants	110 864	41 654	244 588	58 128	545 015	255 112	58 490	205 214	424 046	511 441	545 722	196 085	169 439	180 198
Computer specialists	6 665	2 587	5 799	1 100	9 883	1 523	1 343	841	1 516	9 874	15 299	5 346	6 320	3 633
Engineers	1 030	711	2 669	541	2 392	530	986	605	349	1 564	7 159	2 920	2 934	1 305
Librarians, archivists, and curators	171	100	138	—	145	22	21	14	—	—	649	256	355	38
Life and physical scientists	648	132	171	—	83	—	—	—	—	—	61	—	42	19
Physicians, dentists, and related practitioners	89	40	57	20	61	—	—	—	—	39	229	60	129	40
Registered nurses, dietitians, and therapists	59	40	97	20	77	35	—	—	—	101	23	—	—	23
Health technologists and technicians	100	138	184	18	432	153	88	—	153	2 726	848	208	489	151
Social scientists	20	259	110	—	110	19	—	—	—	126	135	—	91	44
Social and recreation workers	21	54	131	—	177	15	—	63	—	81	127	61	43	23
Teachers, except college and university	57	54	19	—	—	—	—	—	19	—	161	—	20	141
Engineering and science technicians	131	431	2 221	22	929	61	—	108	22	1 101	117	60	37	20
Technicians, exc. health, and engineering and science	675	62	456	249	85	34	—	—	—	99	268	—	148	120
Writers, artists, and entertainers	61	54	68	—	—	—	46	—	—	22	108	—	45	63
Other professional, technical, and kindred workers	1 183	153	568	57	1 919	138	64	581	696	1 949	1 491	633	410	448
<b>Managers and administrators, except farm</b>														
Buyers, purchasing agents, and sales managers	2 399	507	1 182	215	3 858	516	138	449	277	1 926	3 902	1 148	1 556	1 198
Other managers and administrators	4 424	988	15 790	2 763	43 773	30 414	7 008	27 014	41 460	49 275	55 897	21 454	8 844	25 599
Salaried	78	78	2 649	498	23 999	2 882	708	10 027	606	9 643	753	147	183	423
Self-employed	4 346	910	13 141	2 265	19 774	27 532	6 774	16 987	40 854	39 632	55 144	21 307	8 661	25 176
Other	4 275	850	10 474	1 806	14 917	8 509	4 098	11 164	15 988	18 390	49 584	21 230	8 316	20 038
Self-employed	71	60	2 667	459	4 857	19 023	2 676	5 823	24 866	21 242	5 560	77	345	5 138
<b>Sales workers</b>														
Clerical and kindred workers	1 013	722	16 067	2 618	310 206	69 415	3 887	122 162	5 243	208 835	71 481	679	19 966	50 836
Billing clerks	91 272	32 542	151 659	26 489	129 041	98 083	39 671	27 824	32 402	154 662	366 509	158 166	128 657	79 886
Bookkeepers	876	1 220	3 780	521	4 831	2 650	339	179	20	982	829	166	577	86
Cashiers	5 055	6 003	47 390	10 204	19 287	12 898	23 075	9 583	7 764	58 167	53 690	26 803	14 795	12 692
Counter clerks, except food	1 429	2 184	14 855	805	25 273	69 942	1 973	5 521	20 594	16 783	3 615	1 076	1 531	1 008
File clerks	1 230	113	2 699	460	5 465	574	93	358	262	878	642	159	177	306
Office machine operators	1 582	1 018	3 845	438	4 223	429	538	296	75	1 903	14 588	5 263	8 095	1 872
Bookkeeping and billing machine operators	1 448	1 289	6 509	1 626	4 319	1 763	489	862	262	1 343	12 196	7 447	3 877	872
Key punch operators	1 122	204	1 357	60	1 872	136	214	236	18	501	3 773	3 162	411	200
	650	722	2 346	456	1 103	94	77	164	36	341	4 883	2 419	2 008	456

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>														
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>														
<b>Female, employed—Continued</b>														
Clerical and kindred workers—Continued														
Payroll and timekeeping clerks	813	656	1 048	289	2 165	540	213	312	326	677	1 722	724	648	350
Receptionists	377	232	1 703	213	7 733	195	459	169	61	1 981	4 676	1 744	978	1 954
Secretaries	5 292	7 571	35 608	5 499	7 879	2 718	5 931	2 262	1 660	19 790	91 888	26 129	39 389	26 370
Statistical clerks	4 171	632	1 823	434	2 357	240	154	204	78	2 899	9 864	1 646	7 530	788
Stenographers	397	891	1 391	191	2 217	17	135	43	62	289	3 732	1 306	1 791	635
Telephone operators	46 464	840	2 769	566	4 003	248	686	402	80	1 138	5 386	2 468	1 462	4 455
Typists	3 672	2 576	9 918	940	4 870	377	1 630	746	208	4 547	32 127	9 708	17 878	4 541
Other clerical and kindred workers	18 466	7 317	31 321	4 303	45 580	7 651	3 916	6 887	1 150	45 818	131 454	73 526	30 529	27 399
Foremen, n.e.c.	2 997	1 705	6 144	1 572	7 549	6 160	1 394	4 570	2 458	18 551	2 289	608	1 093	588
Mechanics and repairmen	1 181	664	2 350	664	4 334	658	1 444	944	382	1 456	1 401	464	655	282
Printing craftsmen	65	266	1 859	93	1 338	40	1 092	—	—	589	117	18	64	35
Operatives, except transport	519	382	37 284	20 286	16 312	26 474	3 255	19 078	1 868	15 170	943	291	224	428
Assemblers	154	21	1 166	100	84	54	67	21	17	532	40	19	—	19
Bottling and canning operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Graders and sorters, manufacturing	21	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Produce graders and packers, exc. factory and farm	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixing operatives	30	45	526	62	730	53	—	—	83	761	399	107	62	230
Sewers and stitchers	159	135	7 998	1 427	9 278	3 007	2 941	16 105	425	10 359	150	39	90	21
Other specified operatives	56	14	2 687	1 283	432	654	15	171	31	170	152	82	49	21
Machine operatives, miscellaneous specified	18	128	1 120	539	92	192	49	300	185	858	62	19	23	20
Machine operatives, not specified	63	128	3 351	1 955	688	1 458	44	163	40	463	99	25	—	74
Miscellaneous operatives	18	39	626	269	191	563	44	163	40	463	99	25	—	74
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Transport equipment operatives	71	163	1 399	518	1 206	256	174	59	172	1 056	139	38	28	73
Deliveryman and roulemen	71	13	673	261	1 162	207	58	39	119	707	33	—	—	33
Laborers, except farm	181	672	5 454	1 147	3 419	14 335	334	742	465	4 471	1 122	252	38	832
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	3 722	1 893	5 062	1 635	23 626	8 252	1 474	1 924	338 262	49 547	32 043	9 251	4 269	18 523
Cleaning service workers	2 088	1 277	2 268	378	3 145	951	847	957	5 457	4 439	22 596	6 687	2 700	13 209
Cleaners and charwomen	1 070	656	1 320	187	1 838	548	540	768	2 525	2 710	12 688	3 537	1 728	7 423
Food service workers	1 050	411	1 567	1 018	15 561	6 739	307	247	328 822	9 096	3 436	1 606	1 144	686
Waiters and food counter workers	287	24	306	139	8 908	3 180	79	81	177 574	6 331	1 488	1 488	653	289
Health service workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Personal service workers	584	145	336	76	3 272	170	135	13	3 744	906	2 670	709	66	1 602
Protective service workers	—	19	—	—	1 502	69	39	123	66	133	192	123	—	69
Private household workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration			
	Professional services, except hospitals					Educational and kindred services		Welfare, religious, nonprofit organizations		Other professional and related services				
	Total	Hospitals	Health services, except hospitals	Government	Private	Government	Private	Government	Private					
Business services	233 324	151 872	154 474	103 124	273 794	121 966	1 569 737	205 335	196 286	512 428	158 849	208 520	288 319	1 236 221
Auto-mobile services	51 527	1 536	5 284	4 392	12 986	24 198	822 730	44 605	146 464	229 440	70 043	111 645	220 533	212 223
Other repair services	5 749	278	284	1 882	60 779	60 779	45 826	1 996	553	1 899	834	1 586	38 938	31 081
Hotels and lodging places	13	—	23	20	42	—	11 494	—	42	322	114	54	10 962	1 434
Other personal services, including private household	1 396	—	15	—	42	—	1 484	146	82	353	118	101	684	4 924
Entertainment and recreation services	9 875	66	714	223	146	447	38 740	1 105	1 482	1 859	1 161	1 047	32 086	44 810
Hospitals	211	—	—	—	—	—	516	—	23	—	—	—	493	1 800
Health services, except hospitals	409	—	38	37	—	15	1 062	—	28	35	18	—	981	8 978
Educational and kindred services	452	23	42	37	—	189	10 521	195	401	363	220	229	9 113	10 978
Welfare, religious, nonprofit organizations	1 926	—	231	109	—	189	5 272	196	44	392	311	78	4 251	7 873
Other professional and related services	2 725	22	107	37	18	158	2 263	294	159	220	109	162	1 319	10 019
Managers and administrators, except farm	1 114	—	124	—	65	158	5 936	200	180	426	84	150	4 896	5 153
Buyers, purchasing agents, and sales managers	3 038	21	172	40	63	85	13 170	220	647	423	419	428	11 033	8 392
Other managers and administrators	144	—	—	25	—	60	69 009	62	246	140	106	494	67 961	17 549
Managers and administrators, except farm	36	—	—	19	—	77	5 048	18	41	2 871	1 664	37	417	2 453
Buyers, purchasing agents, and sales managers	264	—	—	19	—	—	861	—	47	55	38	155	544	2 053
Other managers and administrators	2 537	26	53	21	37	84	8 507	1 023	946	1 594	700	125	4 119	9 991
Managers and administrators, except farm	1 562	26	53	21	—	22	2 915	599	305	475	133	35	368	2 436
Buyers, purchasing agents, and sales managers	748	16	16	—	—	—	960	44	42	230	44	86	514	5 111
Other managers and administrators	5 122	161	272	268	271	144	5 924	1 398	547	1 741	778	730	730	18 069
Managers and administrators, except farm	—	—	—	—	56	193	151 410	17 526	131 341	733	1 018	369	423	2 526
Buyers, purchasing agents, and sales managers	—	—	—	—	—	24	3 316	729	33 909	61	60	40	83	2 293
Other managers and administrators	83	—	—	—	56	128	96 971	13 770	81 155	522	917	306	301	1 301
Managers and administrators, except farm	36	—	—	—	—	41	16 281	164	15 947	86	22	23	39	1 700
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other managers and administrators	40	—	—	41	194	—	12 112	8 536	2 495	786	56	216	23	1 019
Managers and administrators, except farm	66	—	—	12	—	—	14 327	7 917	4 720	350	292	652	396	544
Buyers, purchasing agents, and sales managers	—	—	—	—	—	24	88 647	916	506	38	1 064	85 689	454	312
Other managers and administrators	2 801	—	80	19	60	1 969	4 739	991	691	1 288	412	349	1 000	5 944
Managers and administrators, except farm	206	—	—	527	52	—	18 164	1 533	742	2 071	303	13 671	224	6 079
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	89 232	—	—	58 435	30 797	—	—	—
Other managers and administrators	144	801	95	40	—	562	160 684	167	151	135 006	24 686	490	184	3 018
Managers and administrators, except farm	6 245	19	418	88	223	582	17 769	489	315	1 094	598	297	14 376	19 417
Buyers, purchasing agents, and sales managers	1 894	—	58	23	186	53	8 456	54	—	106	181	58	8 057	4 204
Other managers and administrators	—	—	—	—	—	386	1 740	144	37	463	153	—	—	6 696
Managers and administrators, except farm	3 092	19	19	47	37	102	7 343	291	251	1 082	246	239	5 234	7 898
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other managers and administrators	665	47	393	—	1 011	200	2 183	—	222	712	406	90	753	13 964
Managers and administrators, except farm	29	—	—	—	19	—	394	—	22	18	246	—	108	651
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	116	15	—	—	—	29
Other managers and administrators	121	21	30	—	950	—	131	—	—	22	—	—	—	9 944
Managers and administrators, except farm	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other managers and administrators	12 302	57	280	1 109	9 608	15 832	25 634	607	374	1 982	2 054	4 432	16 185	3 340
Managers and administrators, except farm	3 055	65	2 621	58	914	3 245	49 976	489	879	15 281	2 800	975	29 552	14 106
Buyers, purchasing agents, and sales managers	41 181	19 916	12 194	31 550	46 954	25 763	171 517	17 379	10 560	71 780	21 509	35 409	14 880	204 394
Other managers and administrators	3 368	19 454	11 530	566	738	556	5 306	1 631	9 323	1 306	707	600	739	9 533
Managers and administrators, except farm	37 813	19 464	11 664	30 984	46 216	25 207	166 211	15 748	10 327	70 474	20 712	34 809	14 141	194 861
Buyers, purchasing agents, and sales managers	28 682	10 521	6 200	16 288	23 215	17 643	161 032	15 432	8 793	70 474	19 280	34 705	12 348	194 861
Other managers and administrators	9 131	8 941	5 464	14 696	23 001	7 564	5 179	316	1 534	—	1 432	104	1 793	—
Managers and administrators, except farm	16 932	2 294	2 397	672	3 549	2 172	7 321	322	367	299	1 809	2 602	1 922	2 349
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other managers and administrators	9 266	—	934	22	223	419	1 094	161	131	225	40	112	425	866
Managers and administrators, except farm	7 666	2 294	1 463	650	3 326	1 753	6 227	161	236	74	1 769	2 490	1 497	1 483

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

United States	Professional and related services										Public administration		
	Professional and related services					Educational and kindred services							
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Total	Hospitals	Health services, except hospitals	Government		Private	Welfare, religious, and nonprofit membership organizations
16 010	3 948	4 471	8 927	5 501	7 077	52 955	10 703	2 964	12 281	4 631	10 784	11 592	336 963
1 149	1 090	474	1 613	1 265	2 498	7 466	1 014	429	1 232	591	1 509	2 691	9 683
2 161	248	429	24	190	112	358	230	146	346	23	85	680	11 739
1 791	23	20	106	139	112	2 090	198	65	386	202	504	280	2 474
1 342	95	157	110	181	401	1 351	751	316	782	547	3 323	797	6 286
494	54	237	88	249	266	6 316	584	99	382	208	243	114	2 301
863	398	306	217	228	333	1 630	3 170	427	2 415	400	522	618	13 676
9 069	1 313	2 825	6 250	3 249	2 529	25 992	4 570	1 482	6 674	2 476	4 378	6 412	290 132
30 768	102 828	96 514	7 899	24 855	15 130	114 685	29 551	14 308	37 955	12 553	8 328	11 990	148 101
5 105	894	2 492	3 512	3 298	2 846	44 011	12 614	1 765	17 738	5 823	4 485	7 586	37 584
25	92	474	1 101	1 189	1 125	880	217	19	266	17	329	32	607
1 325	166	1 139	561	1 758	1 770	14 505	3 598	591	6 177	2 310	1 525	304	9 379
410	40	114	118	106	269	8 194	2 449	282	3 156	1 098	812	397	8 868
1 241	479	400	1 383	903	532	11 276	3 837	466	4 447	1 714	772	281	8 700
968	58	263	261	65	127	7 100	2 086	338	2 926	473	60	185	7 610
1 50	59	102	69	118	23	11 368	334	46	576	173	280	58	353
4 705	2 397	2 109	617	2 633	1 375	11 368	2 864	968	3 903	958	916	1 759	22 182
6 746	97 077	59 437	1 060	3 074	3 709	17 981	4 831	863	7 821	2 576	828	1 062	59 431
1 727	523	3 844	134	251	362	4 927	722	157	1 607	731	502	1 208	10 170
1 139	404	1 543	31	203	269	2 714	243	81	897	592	43	858	4 559
40	40	1 875	63	48	76	766	209	76	1 199	21	239	22	9 336
548	79	426	40	21	93	1 447	270	18	511	118	220	328	4 936
565	71	41	41	21	38	1 551	199	18	533	356	213	232	1 888
553	18	152	1 676	702	259	12 634	6 082	561	3 756	1 196	556	483	5 222
11 125	1 919	28 409	1 859	14 876	6 541	22 213	2 239	9 976	2 597	913	828	5 660	11 624
12 232	10 029	18 683	1 198	34 729	2 211	24 161	8 981	1 732	5 305	1 787	2 104	4 252	27 301
241	196	215	—	21	24	24 279	—	—	61	23	18	177	766
43	98	548	40	25	19	94	20	—	12	—	28	34	157
3 414	3 115	1 344	22	20	34	377	27	—	125	20	17	188	349
109	75	1 344	—	18	—	18	—	—	—	—	—	—	497
29	—	1 184	—	18	—	18	—	—	—	—	—	—	87
58	37	143	—	—	34	170	27	—	20	—	—	—	314
22	38	17	—	—	—	149	—	—	44	—	17	68	45
47	39	19	—	18	18	83	23	—	—	—	60	—	21
—	16	—	—	—	—	19	—	—	—	—	19	—	39
256	—	45	156	246	59	8 347	3 808	455	2 904	800	315	65	4 022
528	958	11 466	22	39	57	1 430	145	21	313	61	376	514	3 220
3 414	3 279	3 927	657	33 586	1 551	9 701	4 367	923	884	323	549	2 655	9 136
960	1 582	395	47	194	156	833	98	32	157	124	151	271	2 375
269	135	70	30	88	65	649	138	21	218	106	66	100	1 525
6 179	476	182	182	183	162	1 829	273	235	542	256	437	86	4 118
155	60	126	22	291	66	386	59	45	73	23	44	142	1 076
5 055	7 829	2 559	866	20 269	1 572	14 903	3 185	1 452	5 356	1 263	2 000	1 647	27 976
1 577	465	449	121	13 338	183	2 059	406	313	814	58	324	144	1 164
116	47	36	173	81	23	162	1 397	513	67	398	84	11	2 610
2 266	2 334	626	173	2 008	536	5 497	1 382	826	1 595	398	1 195	399	19 050
1 096	4 983	1 448	572	4 842	830	7 185	1 382	—	2 880	807	397	1 093	5 152

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit membership organizations		Other professional and related services	
							Health services, except hospitals	Government	Private				
	Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, nonprofit membership organizations	Other professional and related services	Public administration					
<b>PERSONS 45 TO 64 YEARS OLD—Continued</b>													
<b>Male, employed—Continued</b>													
<b>Laborers, except farm</b>													
Construction laborers	4 417	2 569	4 519	2 943	24 260	13 280	4 804	1 234	10 335	4 172	3 660	2 095	50 210
Freight, stock, and material handlers	1 140	72	196	182	210	114	392	80	471	190	418	97	2 262
Vehicle washers and equipment cleaners	1 013	63	165	133	670	130	862	55	623	209	1 044	21	20 977
Other specified laborers	594	41	2 187	23	399	188	3 007	66	88	56	31	56	714
Miscellaneous laborers	566	22	1 265	30	17 293	10 976	3 007	683	8 500	3 356	1 322	1 555	19 125
Not specified laborers	1 907	243	484	796	5 179	822	338	314	573	318	765	316	5 803
<b>Farm workers</b>													
Service workers, including private household	55 182	923	7 913	44 677	100 691	30 563	85 805	17 205	139 677	41 082	31 988	19 408	226 704
Cleaning service workers	24 818	619	1 029	14 136	4 562	8 745	31 878	8 359	128 872	33 887	22 746	2 523	41 320
Food service workers	271	67	97	19 514	129	7 959	11 625	1 786	3 014	2 712	5 459	112	4 098
Health service workers	33	33	393	87	82	39	32 930	5 073	274	61	154	38	613
Personal service workers	748	33	393	9 395	72 631	8 774	3 421	837	1 868	1 129	2 575	179	3 625
Guards and watchmen	26 402	133	282	1 366	32 324	1 693	5 068	990	4 516	2 852	944	471	30 096
Other service workers, including private household	2 910	71	6 112	1 179	22 963	3 353	883	160	1 133	441	110	16 085	146 952
<b>Female, employed</b>													
Accountants	150 891	15 027	37 123	158 801	896 729	64 922	686 843	403 777	1 013 388	326 187	231 474	278 547	501 369
Computer specialists	19 425	419	1 689	2 578	13 525	11 115	219 380	108 075	577 929	163 165	57 484	86 459	58 839
Engineers	4 579	186	109	1 113	316	334	1 564	57	2 080	728	1 633	10 573	16 040
Librarians, archivists, and curators	245	26	—	—	—	—	—	—	149	83	20	216	1 884
Life and physical scientists	223	—	—	—	19	23	202	19	134	—	17	375	1 423
Physicians, dentists, and related practitioners	185	—	—	—	21	103	862	104	30 672	7 391	909	443	1 140
Registered nurses, dietitians, and therapists	183	—	—	—	—	—	3 864	602	328	220	79	66	222
Health technologists and technicians	19	—	—	—	—	18	3 864	6 040	202	189	3 346	178	4 076
Social scientists	703	—	—	—	7 737	192	179 097	84 846	17 541	4 179	3 346	688	4 076
Social and recreation workers	40	—	—	—	—	—	22 616	8 937	1 379	596	143	178	4 076
Teachers, except college and university	352	—	—	—	85	—	386	413	1 417	273	292	469	890
Engineering and science technicians	70	—	—	—	182	1 442	4 084	2 515	4 146	1 051	30 744	333	4 933
Technicians, exc. health, and engineering and science	175	147	—	243	301	3 049	2 582	495	476 331	128 190	1 978	334	856
Writers, artists, and entertainers	1 407	—	21	156	46	43	291	248	605	363	58	1 285	2 136
Other professional, technical, and kindred workers	3 995	37	127	—	83	23	44	491	281	137	116	98	2 557
Managers and administrators, except farm	6 101	23	1 432	244	1 339	1 243	2 998	2 273	41 307	17 827	11 571	63 063	16 883
Buyers, purchasing agents, and sales managers	9 587	1 162	1 705	21 292	16 397	5 983	15 540	12 988	38 646	19 320	13 754	5 500	44 790
Other managers and administrators	420	48	38	159	209	156	1 083	12 125	714	302	310	5 153	3 061
Salaried	9 167	1 114	1 667	21 133	16 188	5 827	14 457	12 863	37 932	19 018	13 444	5 347	41 729
Self-employed	6 770	547	842	10 722	9 350	3 970	14 209	10 172	37 932	17 105	13 258	4 789	41 729
Self-employed	2 397	567	825	10 411	6 838	1 857	5 646	2 741	—	1 913	186	558	—
Sales workers	6 452	117	1 723	876	6 291	1 879	1 028	575	1 221	1 518	2 258	2 031	1 089
Clerical and kindred workers	82 440	10 902	19 811	26 251	61 248	20 346	116 024	89 253	187 027	61 843	103 775	125 996	343 106
Billing clerks	879	42	174	161	313	133	1 948	317	222	66	183	162	686
Bookkeepers	10 314	5 808	4 193	5 020	8 755	4 044	9 210	12 779	10 600	4 744	10 700	17 570	25 302
Cashiers	364	985	244	3 841	3 508	4 574	4 507	147	8 922	2 870	871	272	3 319
Counter clerks, except food	1 057	159	40	6 247	21 420	670	713	58	378	244	193	82	478
File clerks	3 273	126	379	121	646	260	3 207	1 167	1 899	762	2 632	1 308	14 658
Office machine operators	4 638	70	197	403	421	232	1 564	354	1 699	979	1 682	1 932	10 343
Bookkeeping and billing machine operators	240	—	—	148	169	42	660	80	132	106	175	107	1 005
Keypunch operators	2 023	70	67	—	124	100	471	199	697	517	495	1 165	5 756





Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Agriculture, forestry, and fisheries		Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total			Total	Special trade contractors	Lumber and wood products except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)			Machinery, except electrical
<b>United States</b>														
<b>PERSONS 65 YEARS OLD AND OVER—Continued</b>														
<b>Male, employed—Continued</b>														
Clerical and kindred workers	145 146	611	2 378	453	701	310	1 573	2 176	1 294	461				
Bookkeepers	22 130	164	546	59	41	25	146	276	228	43				
Cashiers	7 125	39	20	—	—	—	—	—	14	—				
Estimators and investigators, n.e.c.	6 986	18	873	30	—	—	98	131	83	22				
Office machine operators	1 521	37	—	20	26	—	23	122	26	—				
Secretaries, stenographers, and typists	7 659	42	58	24	43	63	98	172	83	—				
Shipping and receiving clerks	8 384	23	164	19	385	63	363	385	213	80				
Stock clerks and stockkeepers	9 808	75	114	31	132	63	363	530	215	107				
Other clerical and kindred workers	81 533	317	1 007	86	313	128	670	732	452	209				
Craftsmen and kindred workers	296 846	3 695	54 782	2 001	3 104	780	4 922	10 502	2 968	2 205				
Construction craftsmen	94 926	804	49 899	3 977	578	84	637	480	425	315				
Brickmasons and stonemasons	4 043	21	1 995	73	—	—	21	154	125	63				
Carpenters	39 106	92	17 489	127	417	67	61	122	238	136				
Electricians	10 249	189	5 273	15	105	17	18	—	—	—				
Excavating, grading and road machine operators	5 545	429	—	37	—	—	—	—	—	—				
Painters (const. & maint.), plasterers, & paperhangers	19 761	18	13 982	—	40	—	21	110	62	19				
Plumbers and pipefitters	11 541	76	7 388	—	—	—	72	94	—	97				
Other construction craftsmen	4 679	89	2 388	23	52	—	227	—	—	—				
Foremen, n.e.c.	26 748	381	2 890	500	377	123	996	1 263	572	248				
Mechanics and repairmen	53 627	451	8 550	383	234	91	427	988	363	454				
Automobile, including body	19 362	67	2 221	74	—	—	—	16	—	251				
Metal craftsmen, except mechanics	24 681	129	1 504	241	1 150	463	2 340	7 337	1 265	1 031				
Machinists, job setters, and toolmakers	15 385	91	7 721	177	421	310	1 381	6 547	1 131	737				
Blacksmiths, forgemen, hammermen, boilermakers	2 646	38	81	—	—	—	—	20	27	23				
Other metal craftsmen	6 650	32	1 335	64	648	135	780	770	107	271				
Printing craftsmen	11 077	17	—	25	—	—	—	43	43	64				
Stationary engineers and power station operators	7 308	—	1 292	21	29	19	66	62	20	20				
Other craftsmen and kindred workers	78 479	524	1 288	1 819	736	—	436	329	280	93				
Operatives, except transport	145 871	3 129	1 652	3 497	3 116	1 382	6 432	8 972	3 471	2 968				
Assemblers	6 405	59	41	5 337	83	82	475	1 348	769	566				
Clerks, examiners, and inspectors, manufacturing	5 219	—	—	281	78	30	338	1 758	602	547				
Filers, polishers, sanders, and buffers	3 204	43	43	60	197	36	434	187	62	122				
Painters, manufactured articles	6 629	17	—	271	—	—	61	113	109	105				
Precision machine operators	6 643	18	23	—	—	—	715	113	238	385				
Drill press operators	1 039	—	—	202	445	190	103	350	92	43				
Grinding machine operators	1 039	—	—	29	19	22	103	249	40	124				
Lathe and milling machine operators	2 337	18	—	44	221	111	205	749	90	152				
Precision machine operators, n.e.c.	2 459	—	—	122	173	37	188	1 244	16	66				
Punch and stamping press operators	808	19	—	31	32	20	502	346	84	157				
Solders	127	21	—	—	65	23	—	154	45	20				
Stationary firemen	3 871	41	25	124	117	—	31	36	45	20				
Welders and flame-cutters	7 271	66	25	191	177	—	31	36	24	406				
Other specified operatives	78 974	56	937	57	246	38	1 062	947	232	406				
Machine operatives, miscellaneous specified	12 239	3 007	1 251	2 377	868	191	583	945	325	316				
Machine operatives, not specified	5 103	241	125	783	421	401	759	297	294	52				
Miscellaneous operatives, n.e.c.	9 003	85	—	90	138	161	484	862	302	134				
Not specified operatives	4 829	189	145	449	146	92	253	334	220	73				
Transport equipment operatives	71 658	1 055	647	457	213	96	272	669	135	193				
Deliverymen and routemen	14 076	239	82	43	20	20	23	95	27	75				
Fork lift and tow motor operatives	1 490	20	—	101	33	77	95	140	38	47				
Truck drivers	20 724	454	544	263	97	19	136	401	47	33				
Other transport equipment operatives	35 356	342	—	50	63	—	—	196	23	33				



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing							Motor vehicles and motor vehicle equipment	
	Total		Total		Total	Special trade contractors	Total	Lumber and wood products, except furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical		Electrical machinery, equipment, and supplies
<b>United States</b>															
<b>PERSONS 65 YEARS OLD AND OVER — Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>															
Construction laborers	115 179	14 046	642	18 883	3 073	16 529	4 105	420	683	1 037	203	479	831	418	224
Freight, stock, and material handlers	15 948	44	54	14 248	2 850	4 305	24	104	188	58	55	12	43	—	—
Vehicle washers and equipment cleaners	20 020	65	234	246	127	4 349	1 314	28	21	112	39	117	133	236	82
Other specified laborers	2 512	18	—	36	19	650	—	60	28	42	21	44	77	7	—
Miscellaneous laborers	55 213	13 487	208	4 256	77	5 333	2 039	60	61	45	47	37	77	96	24
Not specified laborers	6 389	263	24	15	45	1 354	109	45	47	109	47	117	117	29	36
	15 097	169	122	82	—	4 538	619	228	318	303	41	232	384	50	82
<b>Farm workers</b>	244 458	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Service workers, including private household</b>	299 074	1 415	627	4 041	652	26 627	1 289	719	636	937	504	2 032	2 221	1 725	1 008
Cleaning service workers	128 387	815	163	2 074	423	14 369	546	526	333	521	270	1 027	1 414	1 152	688
Food service workers	38 123	80	40	64	41	248	—	—	17	—	—	—	—	18	—
Health service workers	4 353	97	—	150	—	518	—	—	—	—	—	—	18	21	22
Personal service workers	39 358	68	—	307	29	9 009	721	179	259	376	234	854	724	534	274
Guards and watchmen	46 559	294	379	1 307	125	2 263	22	14	27	40	—	87	65	—	24
Other service workers, including private household	42 294	61	45	446	34	—	—	—	—	—	—	—	—	—	—
<b>Female, employed</b>	1 091 656	18 894	1 270	10 740	5 139	122 452	1 262	2 102	1 786	991	734	3 985	5 194	6 038	1 606
<b>Professional, technical, and kindred workers</b>	158 066	266	91	315	130	5 046	42	39	96	23	—	39	147	301	35
Accountants	5 322	—	24	74	37	518	25	—	20	—	—	39	45	18	19
Computer specialists	204	—	—	—	—	40	—	—	—	—	—	—	—	—	—
Engineers	762	—	18	43	—	326	—	—	—	—	—	—	21	123	—
Librarians, archivists, and curators	5 171	—	—	—	—	42	—	—	—	—	—	—	—	—	—
Life and physical scientists	556	91	—	—	—	55	—	—	—	23	—	—	—	—	—
Physicians, dentists, and related practitioners	3 010	43	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	28 034	—	—	—	—	223	—	—	—	—	—	—	21	45	16
Health technologists and technicians	2 205	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	2 700	—	—	—	—	57	—	—	—	—	—	—	—	—	—
Social and recreation workers	4 869	—	—	—	—	23	—	—	—	—	—	—	—	—	—
Teachers, except college and university	69 861	—	—	—	—	145	—	23	44	—	—	—	20	—	—
Engineering and science technicians	863	—	—	67	—	358	—	—	—	—	—	—	18	56	—
Technicians, exc. health, and engineering and science	530	—	—	18	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	10 336	—	20	54	54	2 606	—	—	20	—	—	—	—	40	—
Other professional, technical, and kindred workers	25 643	132	29	59	39	653	17	16	12	—	—	—	—	19	—
<b>Managers and administrators, except farm</b>	68 489	264	97	733	395	4 308	59	219	122	—	60	224	330	104	71
Buyers, purchasing agents, and sales managers	5 039	—	—	—	—	334	—	—	—	—	—	17	60	22	—
Other managers and administrators	63 450	264	97	733	395	3 974	59	219	122	—	60	207	270	82	71
Salaried	39 588	115	82	456	276	3 071	42	130	85	—	60	207	270	63	71
Self-employed	23 862	149	15	277	119	903	17	89	37	—	—	—	—	19	—
<b>Sales workers</b>	117 650	120	18	230	130	2 881	—	18	42	32	—	—	109	77	28
<b>Clerical and kindred workers</b>	235 796	1 733	630	5 667	2 535	25 593	352	603	612	375	278	1 669	2 143	1 090	306
Billing clerks	1 530	—	—	25	25	341	—	—	—	24	—	—	53	48	—
Bookkeepers	44 350	803	185	1 987	1 085	6 073	215	314	198	48	35	388	457	217	41
Cashiers	14 330	15	—	—	—	216	—	—	23	—	—	—	15	43	—
Counter clerks, except food	4 752	—	—	—	—	466	—	—	18	—	—	—	—	—	—
File clerks	5 820	—	—	148	57	1 046	19	—	24	—	—	83	62	114	—
Office machine operators	4 083	—	—	76	18	681	—	—	24	—	—	—	37	—	—
Bookkeeping and billing machine operators	949	—	—	58	18	226	—	—	—	—	—	—	29	—	—
Keypunch operators	888	—	—	18	—	115	—	—	—	—	—	—	37	—	—

68 Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text.

	Total	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing											
				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment			
<b>United States</b>																	
<b>PERSONS 65 YEARS OLD AND OVER - Continued</b>																	
<b>Female, employed - Continued</b>																	
Clerical and kindred workers - Continued																	
Payroll and timekeeping clerks	1 995	-	-	158	60	-	-	-	-	-	-	-	-	-	-	-	19
Receptionists	8 965	122	318	59	17	118	141	17	40	17	41	24	17	41	24	17	41
Secretaries	49 739	463	-	1 461	704	-	-	145	117	113	292	654	20	23	20	23	292
Statistical clerks	3 031	19	-	18	-	-	-	37	21	18	15	88	40	36	40	36	15
Stenographers	8 902	-	40	37	-	-	-	15	19	19	88	309	101	101	40	40	88
Telephone operators	15 175	21	-	335	120	-	40	15	23	93	163	404	258	258	101	200	200
Typists	70 093	290	87	1 335	449	-	85	102	63	93	698	404	258	258	101	200	200
Other clerical and kindred workers	20 932	88	194	2 244	1 470	71	192	144	173	41	351	357	331	331	183	348	183
Craftsmen and kindred workers	3 708	16	25	186	49	16	70	33	28	20	70	70	67	67	14	108	14
Foremen, n.e.c.	2 016	19	31	37	37	-	23	42	23	-	23	19	19	19	22	108	22
Mechanics and repairmen	1 454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Printing craftsmen	115 320	318	245	333	147	473	928	613	221	311	928	1 854	1 448	1 448	874	3 966	874
Operatives, except transport	5 121	-	-	19	-	11	154	-	44	100	154	469	307	307	426	1 764	426
Assemblers	4 433	-	-	-	-	16	39	136	20	52	39	89	106	106	84	624	84
Bottling and canning operatives	4 669	-	-	-	-	20	39	136	20	52	39	89	106	106	84	624	84
Checkers, examiners, inspectors, manufacturing	5 546	-	-	-	-	46	24	72	33	-	24	64	97	97	47	193	47
Graders and sorters, manufacturing	5 477	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Produce graders and packers, exc. factory and farm	25 539	-	-	-	-	-	453	-	-	-	453	39	52	52	16	16	39
Mixing operatives	58 052	-	-	-	-	200	120	133	-	138	120	747	484	484	667	667	747
Sewers and stitchers	5 245	61	245	272	128	48	41	111	44	21	41	84	175	175	37	296	37
Other specified operatives	2 152	36	-	-	-	64	38	113	26	-	38	224	184	184	30	89	30
Machine operatives, miscellaneous specified	1 930	106	-	42	19	24	52	148	22	-	52	37	20	20	23	233	23
Machine operatives, not specified	3 096	21	36	97	-	-	27	16	65	-	27	15	23	23	46	94	46
Miscellaneous operatives	626	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not specified operatives	10 207	803	-	677	184	186	23	83	36	-	23	75	101	101	55	19	55
Transport equipment operatives	14 588	14 588	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deliverymen and roulemen	198 317	693	19	444	148	79	43	58	66	44	43	164	150	150	33	133	33
Laborers, except farm	41 646	240	19	293	87	53	24	35	66	19	24	60	81	81	21	110	21
Farm workers	17 948	219	19	174	66	26	19	35	51	19	19	40	16	16	21	91	21
Service workers, except private household	61 768	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cleaning service workers	16 815	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cleaners and charwomen	30 104	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Food service workers	36 863	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waiters and food counter workers	2 698	-	-	49	19	-	-	23	-	25	-	14	40	40	23	-	23
Health service workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Personal service workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective service workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private household workers	149 195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Includes allocated cases not shown separately.



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Manufacturing - Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordinance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking and warehousing	Other transportation
<b>PERSONS 65 YEARS OLD AND OVER - Continued</b>																
<b>Male, employed - Continued</b>																
Clerical and kindred workers	358	444	127	2 421	1 828	627	1 028	513	4 584	803	371	1 416	4 154	2 042	3 173	
Bookkeepers		51		219	391	99	155	76	314	198	21	101	320	435	404	
Cashiers					18				23				58	19	774	
Estimators and investigators, n.e.c.		15	29	17	69	32	16		114	45	17	19	72	84	17	
Office machine operators	21	13		25	42				91	32	35	18	21	152	108	
Secretaries, stenographers, and typists		17		74	40		67	37	270		14	39	128	281	67	
Shipping and receiving clerks	63	102	56	365	333	224	507	101	258	159	49	168	329	163	566	
Stock clerks and stockeepers	147	246	16	122	188	23	82	55	105	61	37	45	299	888	1 566	
Other clerical and kindred workers			26	1 599	747	249	201	244	3 409	308	198	1 026	2 991			
<b>Craftsmen and kindred workers</b>	1 129	3 128	445	8 637	4 113	2 629	3 054	1 114	11 819	1 278	838	4 591	6 898	1 553	1 996	
Construction craftsmen	139	1 270	62	407	338	158	118	119	84	254	76	46	640	88	324	
Brickmasons and stonemasons				15		23				27						
Carpenters	16	542	21	218	127	40	77	44	47	94	51	22	180	35	187	
Electricians	101	238		46	111	95		56	17	58	25		105	53	36	
Excavating, grading and road machine operators		289	21	51	45					23			136		18	
Painters (cons. & maint.), plasterers, & paperhangers		182	20	57	36		22	19	20	17			149		83	
Plumbers (cons. & maint.), plasterers, & paperhangers		19		20												
Other construction craftsmen	182	280	114	762	938	925	651	330	809	379	245	818	1 044	520	193	
Foremen, n.e.c.	302	213	80	380	924	1 250	408	213	460	322	243	209	1 250	691	1 134	
Mechanics and repairmen		21			226					22				523	597	
Automobile, including body																
Metal craftsmen, except mechanics	487	940	152	1 068	356	80	149	232	164	167	258	279	463		66	
Mechanics, job setters, and toolmakers	332	306	103	649	215	80	131	158	106	104	193	238	331		44	
Blacksmiths, farriers, hammermen, boiler-makers	38	158			35				42	23	23		116			
Other metal craftsmen	117	476	49	87	106		18	74	16	63	42	41	16		22	
Printing craftsmen		20	16	105	410	60	15	108	10 065	22		103	61		87	
Stationary engineers and power station operators		405	21	5 828	1 147	156	1 713		168	60	16	3 074	3 440	181	192	
Other craftsmen and kindred workers	19															
<b>Operatives, except transport</b>	1 648	1 221	335	12 634	5 986	5 494	4 395	1 725	1 774	1 402	1 679	8 246	832	699	822	
Assemblers	427	100	69	588	38	22	139		22		59	21				
Checkers, examiners, and inspectors, manufacturing	276	97	101	286	227	260			49	74	132	815		19		
Filers, polishers, sanders, and buffers	109	34	37	432		24			23		21					
Painters, manufactured articles	66	63	20	23				20				43				
Precision machine operatives	169	52	20	307		35		18	45	30	22					
Drill press operatives	56	13		113						19	22					
Grinding machine operatives	43	39		29		35		18	45	11						
Lathe and milling machine operatives	70		20	119												
Precision machine operatives, n.e.c.				46										16		
Punch and stamping press operatives		51		68							77					
Solderers				41												
Stationary firemen	23			38	180	167			21	102	54	25	15	20	40	
Welders and flame-cutters	56	373	44	37	44			87	23	20		92	162	23	44	
Other specified operatives	139	195	17	938	2 361	4 986	3 638	454	572	250	341	5 647	145	414	535	
Machine operatives, miscellaneous specified	705	82	18	782	1 654		302	787	584	439	562	497	24	74	76	
Machine operatives, not specified	21	38	22	267	318		51	214	95	208	127	230	94			
Miscellaneous operatives	120	46	7	674	476		202	106	288	159	139	774	211	133	107	
Not specified operatives	137	90		351	490		63	39	52	120	145	262	235		20	
<b>Transport equipment operatives</b>	80	206	37	1 157	1 204	271	48	130	632	177	44	929	1 564	7 669	16 275	
Deliverymen and roulemen	42	21		124	670	17	16	16	377	43		78	90	602	107	
Fork lift and low motor operatives					40			12		69		21	70	21	39	
Truck drivers	38	125	37	136	439	76	32	85	193	65	44	219	177	6 924	125	
Other transport equipment operatives				897	55	79		17	62			618	1 227	125	16 004	

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text!

United States		Manufacturing—Con.										Transportation, communications, and other public utilities				
		Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Roil-roads and railway express service	Trucking service and warehousing	Other transportation
<b>PERSONS 65 YEARS OLD AND OVER—Continued</b>																
<b>Male, employed—Continued</b>																
<b>Laborers, except farm</b>																
Construction laborers	304	53	2 434	1 735	595	300	400	292	334	222	1 297	11 469	2 306	1 737	1 551	
Freight, stock, and material handlers	36	—	15	—	24	—	23	20	—	—	—	349	96	—	—	
Vehicle washers and equipment cleaners	87	—	100	584	293	248	125	136	116	109	126	4 429	347	1 484	1 027	
Other specified laborers	—	—	75	138	59	18	—	13	—	23	27	338	233	—	84	
Miscellaneous laborers	23	—	1 884	89	38	—	54	37	61	—	710	2 581	62	43	119	
Not specified laborers	53	98	335	773	168	34	140	86	133	47	361	1 251	418	160	175	
<b>Farm workers</b>																
Cleaning service workers	330	762	2 432	2 553	2 508	1 294	547	1 689	702	557	2 001	7 410	1 214	1 548	1 784	
Food service workers	145	464	1 081	1 347	1 179	884	228	1 275	394	279	737	3 633	328	685	848	
Health service workers	—	—	—	182	—	—	—	—	—	11	20	421	244	—	158	
Personal service workers	—	—	—	—	—	—	—	—	—	—	—	24	—	—	24	
Guards and watchmen	159	275	311	71	149	68	40	42	—	—	23	522	246	19	234	
Other service workers, including private household	26	23	1 040	932	1 158	342	17	351	282	267	433	1 848	158	825	314	
Female, employed	976	740	810	7 663	7 863	25 412	2 162	13 766	3 018	1 903	20 411	16 430	2 043	2 609	4 127	
<b>Professional, technical, and kindred workers</b>																
Accountants	45	42	39	261	117	243	18	2 567	164	82	543	805	51	61	161	
Computer specialists	—	—	—	87	—	42	—	155	—	38	30	149	26	61	38	
Engineers	—	—	18	—	—	—	—	—	—	—	—	—	—	—	—	
Librarians, archivists, and curators	—	—	—	62	—	45	—	21	31	23	21	97	—	—	—	
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Physicians, dentists, and related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Registered nurses, dietitians, and therapists	17	—	27	—	41	—	—	16	20	—	—	—	—	—	—	
Health technologists and technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Social and recreation workers</b>																
Teachers, except college and university	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Engineering and science technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Technicians, exc. health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Other professional, technical, and kindred workers	28	—	91	—	39	114	18	2 252	—	—	—	—	—	—	—	
Managers and administrators, except farm	31	44	46	381	196	538	94	890	201	74	329	1 309	123	322	549	
Buyers, purchasing agents, and sales managers	20	12	19	19	39	39	—	89	25	—	31	—	—	—	—	
Other managers and administrators	11	32	46	362	196	499	94	801	176	74	298	1 291	105	322	549	
Salaried	11	32	46	208	162	379	79	550	157	74	243	1 049	105	203	443	
Self-employed	—	—	—	154	34	120	15	251	19	—	55	242	—	119	106	
<b>Sales workers</b>																
Billing clerks	13	—	353	318	107	277	20	941	141	38	367	279	—	59	125	
Bookkeepers	349	144	283	2 688	1 973	1 488	580	6 081	1 259	280	2 092	9 583	1 294	1 367	1 953	
Cashiers	18	18	—	405	26	36	—	53	41	—	39	181	37	45	40	
Counter clerks, except food	37	—	—	20	207	722	102	1 216	346	21	352	1 424	71	543	265	
File clerks	—	—	—	—	—	—	—	58	—	—	20	113	21	—	36	
Office machine operators	42	20	18	50	41	39	25	259	34	—	34	34	—	—	—	
Bookkeeping and billing machine operators	20	22	40	40	67	41	17	375	54	21	49	181	19	61	34	
Keypunch operators	20	22	40	66	—	17	—	195	36	66	24	177	79	18	18	
Keypunch operators	—	—	—	—	—	—	—	34	12	—	24	63	—	18	—	
Keypunch operators	—	—	—	—	—	—	—	43	—	23	17	—	—	—	—	

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing
143	246	51	715	447	219	689	127	1 325	92	42	651	598	108	99	711
19	63	32	184	126	124	455	40	151	43	23	85	153	45	36	29
57	27	19	65	58	16	48	—	—	20	—	10	120	—	—	14
—	—	—	—	—	23	20	49	1 184	—	—	—	14	—	—	—
317	123	329	8 899	3 758	5 881	21 852	1 152	1 596	860	1 271	15 557	394	79	180	—
128	25	138	685	—	—	87	138	87	129	109	114	—	—	—	—
20	40	93	413	211	—	—	72	323	45	185	610	—	—	—	—
—	—	—	358	271	19	24	62	46	45	171	104	81	—	81	—
—	—	—	—	927	84	177	133	75	173	—	227	16	—	16	—
—	—	—	—	—	—	—	—	—	16	—	14	—	—	—	—
22	22	25	486	—	—	18 077	23	77	20	127	1 428	—	—	—	—
17	17	—	5 489	366	1 213	998	58	92	74	117	12 013	215	39	61	—
—	—	23	363	1 096	3 919	329	333	310	237	369	437	—	—	—	—
36	—	23	146	—	—	78	231	394	96	112	119	19	19	—	—
20	—	23	692	451	—	586	64	192	50	39	458	63	21	22	—
—	19	27	145	141	—	635	38	—	—	42	53	—	—	—	—
—	—	—	11	93	—	13	—	24	—	—	42	1 524	98	313	719
—	—	—	—	43	—	—	—	24	—	—	—	56	19	37	—
—	36	43	288	203	241	121	57	62	139	41	287	426	95	131	67
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
78	87	19	434	373	154	191	114	270	162	75	543	1 512	195	77	442
39	43	—	194	255	128	150	74	188	93	54	177	502	21	60	109
—	43	—	71	149	69	83	37	123	23	—	56	241	21	42	125
—	44	—	—	91	26	—	—	60	26	—	23	274	59	17	64
—	—	—	—	—	—	—	—	60	—	—	—	82	—	—	19
22	—	—	—	27	—	—	20	22	—	—	8	19	—	—	189
17	—	—	17	—	—	41	—	—	—	21	60	252	—	—	—
—	—	—	—	—	—	—	—	—	—	—	21	122	96	—	—

Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text]

United States	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General-merch-an-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>PERSONS 65 YEARS OLD AND OVER—Continued</b>	<b>Male, employed</b>													
Accountants	3 724	17 527	98 573	23 510	327 690	47 491	51 547	23 718	44 008	133 999	133 073	25 027	27 729	80 317
Professional, technical, and kindred workers	868	1 422	3 166	494	13 320	359	646	252	449	11 263	3 660	1 114	927	1 619
Architects	21	190	851	245	1 470	41	392	65	169	764	1 407	590	236	581
Engineers	260	860	1 236	59	285	19	71	—	18	195	23	—	23	189
Aeronautical and astronautical	—	21	—	—	—	—	—	—	—	—	308	—	119	—
Chemical	—	330	74	—	19	19	—	—	—	—	44	—	—	44
Civil	—	310	57	16	24	24	—	—	—	—	158	—	119	39
Electrical and electronic	242	24	20	20	18	24	—	—	—	18	88	—	—	18
Industrial	—	74	126	—	224	47	—	—	—	177	88	—	—	88
Mechanical	18	101	959	23	—	—	—	—	—	—	—	—	—	—
Other engineers	—	36	22	—	13	—	13	—	—	125	384	113	177	94
Lawyers and judges	20	—	—	—	125	—	—	—	—	—	125	—	—	43
Librarians, archivists, and curators	19	44	39	—	21	—	—	—	—	21	125	21	61	43
Mathematical specialists	—	41	22	—	21	—	—	—	—	21	17	—	—	17
Life and physical scientists	—	41	22	—	21	—	—	—	—	21	17	—	—	17
Chemists	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Operations and systems researchers and analysts	38	38	112	37	253	40	20	42	18	84	210	47	85	35
Personnel and labor relations workers	—	—	42	—	9 182	86	42	—	—	9 054	107	—	107	78
Physicians, dentists, and related practitioners	—	—	42	—	88	—	—	—	—	88	107	—	—	—
Dentists	—	—	42	—	8 831	86	42	—	—	8 703	107	—	107	—
Pharmacists	—	—	—	—	62	—	—	—	—	62	107	—	—	—
Physicians, medical and osteopathic	—	—	—	—	201	—	—	—	—	201	—	—	—	—
Other related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	44	—	—	44
Health technologists and technicians	—	11	—	—	—	—	—	—	—	—	—	—	—	—
Religious workers	—	—	18	—	42	—	—	—	—	23	—	—	—	—
Social scientists	—	—	120	—	63	—	—	29	—	34	113	73	22	40
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	22	—	—	—
Teachers, college and university	—	—	25	—	102	41	—	—	—	61	48	—	30	18
Teachers, except college and university	81	111	266	79	102	18	22	—	—	62	63	—	—	63
Engineering and science technicians	—	57	63	—	63	18	—	—	—	45	43	—	—	43
Draftsmen	81	—	23	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineering technicians	—	—	15	—	39	—	—	—	—	17	20	—	—	20
Industrial and mechanical engineering technicians	—	54	165	79	—	—	—	—	—	—	—	—	—	—
Other engineering and science technicians	74	21	18	18	83	—	41	—	—	42	27	—	27	—
Technicians, exc. health, and eng. and science	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Airplane pilots	74	21	18	18	83	—	41	—	—	42	27	—	27	—
Embalmers	—	—	—	—	61	—	19	—	—	42	27	—	—	—
Radio operators and air traffic controllers	74	21	—	—	22	—	22	—	—	393	441	—	40	152
Other technicians, exc. health, and eng. and science	355	18	233	—	912	69	113	93	244	405	265	249	40	265
Writers, artists, and entertainers	—	31	147	38	649	37	67	23	—	—	—	—	—	—
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Managers and administrators, except farm</b>	<b>730</b>	<b>1 957</b>	<b>25 611</b>	<b>6 619</b>	<b>75 466</b>	<b>5 350</b>	<b>14 099</b>	<b>6 227</b>	<b>8 954</b>	<b>28 913</b>	<b>29 967</b>	<b>10 181</b>	<b>3 548</b>	<b>16 238</b>
Buyers, purchasing agents, and sales managers	38	122	5 989	2 651	7 815	1 089	1 128	1 377	1 73	3 411	539	—	212	327
Other managers and administrators	692	1 835	19 621	3 968	67 651	4 261	11 286	4 850	8 781	25 502	29 428	10 181	3 336	15 911
Salaried	667	1 794	13 510	2 687	29 235	2 173	3 302	5 252	3 459	12 326	23 047	10 027	2 550	10 470
Self-employed	25	41	6 112	1 281	38 416	2 088	9 669	2 127	5 322	13 176	6 381	154	786	5 441
<b>Sales workers</b>	<b>288</b>	<b>134</b>	<b>29 528</b>	<b>5 351</b>	<b>89 825</b>	<b>10 877</b>	<b>12 306</b>	<b>10 723</b>	<b>578</b>	<b>45 320</b>	<b>51 047</b>	<b>524</b>	<b>18 571</b>	<b>31 952</b>
Newsboys	240	—	1 004	76	397	340	16	19	—	3 418	50 894	415	18 571	31 908
Other specified sales workers	—	—	28 503	5 275	82 625	7 187	10 005	10 704	578	41 845	109	—	—	44
Salesmen and sales clerks, n.e.c.	48	—	—	—	—	—	—	—	—	—	—	—	—	—





Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Transport., comm., and other public utilities - Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>PERSONS 65 YEARS OLD AND OVER - Continued</b>															
<b>Male, employed - Continued</b>															
<b>Laborers, except farm</b>															
Construction laborers	111	3 625	5 406	1 704	11 349	501	5 352	767	107	377	4 245	5 106	92	68	4 946
Freight, stock, and material handlers	18	235	49	20	171	-	-	19	-	-	152	38	-	-	38
Vehicle washers and equipment cleaners	-	1 547	2 265	762	6 734	353	4 984	86	70	68	1 173	64	-	-	64
Miscellaneous laborers	93	212	1 243	426	398	78	118	113	37	85	1 180	20	51	30	4 247
Not specified laborers	-	1 175	1 110	414	1 611	70	211	188	-	207	374	291	18	18	273
<b>Farm workers</b>															
Cleaning service workers	494	1 829	4 246	1 207	49 914	4 253	2 322	2 112	1 471	30 671	9 085	20 791	5 527	794	14 470
Food service workers	384	1 311	2 355	695	15 870	2 317	1 640	1 758	1 167	4 956	4 032	12 317	3 280	534	8 503
Health service workers	-	19	107	44	25 868	81	286	19	-	25 161	321	195	96	21	78
Personal service workers	23	-	207	19	22	-	-	-	135	393	22	2 956	143	33	2 780
Guards and watchmen	87	464	1 202	449	3 071	1 425	376	279	147	140	704	4 149	1 972	206	1 971
Other service workers, including private household	-	35	375	-	3 984	64	-	56	22	21	3 821	1 174	36	-	1 138
<b>Female, employed</b>															
<b>Professional, technical, and kindred workers</b>															
Accountants	3 127	2 416	22 405	4 460	228 807	50 821	24 830	5 356	34 327	38 659	74 814	53 454	9 736	11 978	31 740
Computer specialists	290	182	471	16	2 374	530	81	101	162	188	1 312	1 053	236	305	512
Engineers	24	-	198	-	428	102	40	59	39	36	152	489	105	177	207
Librarians, archivists, and curators	31	66	-	-	76	18	19	-	-	-	39	55	17	20	18
Life and physical scientists	-	19	23	-	24	24	-	-	-	-	-	19	-	21	19
Physicians, dentists, and related practitioners	-	-	-	-	601	22	-	-	-	-	601	-	-	-	-
Registered nurses, dietitians, and therapists	-	26	-	-	22	22	-	-	-	-	-	43	-	-	43
Health technologists and technicians	-	-	-	-	20	-	-	-	-	-	20	-	-	-	-
Social scientists	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social and recreation workers	-	-	-	-	278	162	-	-	-	-	116	21	-	-	21
Teachers, except college and university	-	37	16	16	-	-	-	-	-	-	-	-	-	-	-
Engineering and science technicians	38	20	80	-	632	94	22	17	103	133	263	86	45	17	24
Technicians, exc. health, and engineering and science	178	14	154	-	293	108	-	25	20	19	121	298	69	70	159
Other professional, technical, and kindred workers	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Managers and administrators, except farm</b>															
Buyers, purchasing agents, and sales managers	141	153	2 177	441	24 935	3 072	5 197	1 007	3 961	3 730	7 968	9 729	1 452	748	7 599
Other managers and administrators	141	153	228	19	3 875	1 375	324	19	2 111	3 730	946	35	20	20	15
Supervised	124	133	1 949	422	21 060	1 697	4 873	988	2 750	3 730	7 022	9 694	1 452	728	7 514
Self-employed	17	-	1 450	306	7 028	674	968	482	1 231	1 065	2 608	7 424	1 396	649	5 379
	-	-	499	116	14 032	1 023	3 905	506	1 519	2 665	4 414	2 270	56	79	2 135
<b>Sales workers</b>															
Clerical and kindred workers	57	23	2 322	311	95 958	33 893	9 313	369	20 219	663	31 501	11 631	72	2 443	9 116
Billing clerks	2 421	1 397	11 957	1 925	41 615	8 205	5 115	2 875	3 559	3 477	18 384	25 470	6 568	8 170	10 732
Bookkeepers	21	38	394	19	394	164	-	58	18	-	154	43	-	43	-
Cashiers	170	361	4 190	1 015	12 335	1 293	807	1 656	1 443	510	6 626	4 787	1 133	1 375	2 279
Counter clerks, except food	34	56	9 561	81	9 561	1 626	3 253	134	541	2 586	1 421	180	67	113	-
File clerks	47	20	206	40	374	185	48	20	-	19	102	177	42	19	116
Office machine operators	40	22	404	-	622	211	33	46	38	35	259	816	279	248	289
Bookkeeping and billing machine operators	23	22	385	59	805	311	115	24	44	42	269	147	147	181	113
Keypunch operators	17	-	77	-	174	68	-	24	-	25	57	91	72	72	77

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
Com-muni-cations	Utilities and other public utilities—Con.	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
38	24	67	47	91	18	—	21	19	57	73	—	54	19
41	—	227	20	44	—	—	37	—	308	656	128	149	379
97	254	2 463	265	442	129	345	342	101	1 913	6 677	1 220	2 797	2 660
44	126	98	19	211	—	—	69	—	38	398	86	259	53
—	—	131	17	61	—	—	25	—	61	387	63	218	106
1 190	30	195	17	264	—	64	42	17	183	598	153	46	399
173	152	519	61	492	62	149	111	36	490	1 962	437	1 080	445
526	314	2 765	265	2 810	650	379	828	112	6 505	8 275	2 813	1 588	3 874
84	196	633	126	561	888	257	855	360	2 640	163	—	61	102
31	86	205	41	213	55	257	76	46	171	57	—	38	19
—	46	98	40	98	—	—	—	—	65	—	—	—	—
—	—	19	—	—	—	—	—	—	—	—	—	—	—
24	33	3 220	1 221	2 490	1 324	459	5 223	180	2 878	54	20	—	34
—	—	79	—	—	—	—	—	—	21	—	—	—	—
—	—	82	41	—	—	—	—	—	—	—	—	—	—
—	—	714	—	—	640	18	62	18	83	—	—	—	—
—	—	449	384	428	—	—	—	—	—	—	—	—	—
—	—	105	—	67	—	—	538	—	74	—	—	—	—
24	13	1 342	101	1 859	334	441	4 530	39	2 380	34	20	—	34
—	—	120	21	20	76	—	—	79	106	20	—	—	—
—	—	260	185	95	239	—	27	44	167	—	—	—	—
—	—	69	40	21	35	—	66	—	23	—	—	—	—
—	—	188	52	59	83	35	—	—	288	24	—	—	24
—	—	102	41	19	66	35	—	—	182	—	—	—	—
—	—	521	106	277	1 820	57	75	160	598	172	46	19	107
—	—	—	—	—	—	—	—	—	—	—	—	—	—
110	298	916	262	1 734	1 009	196	273	29 901	9 245	5 158	1 342	232	3 584
92	196	590	150	408	127	119	214	1 137	1 068	3 475	1 170	179	2 126
53	16	361	98	169	54	—	214	578	563	1 556	568	85	903
18	55	186	112	816	825	50	—	28 391	870	1 247	80	35	132
18	—	20	—	346	191	21	—	10 674	528	37	18	—	19
—	—	—	—	21	—	—	—	—	21	61	—	—	61
—	—	—	—	380	17	11	39	355	202	405	74	18	313
—	26	—	—	130	—	16	20	18	40	80	18	—	62
—	—	—	—	—	—	—	—	—	—	—	—	—	—

## United States

## PERSONS 65 YEARS OLD AND OVER—Continued

## Female, employed—Continued

Payroll and timekeeping clerks—Continued	
Receptionists	—
Secretaries	—
Statistical clerks	—
Stenographers	—
Telephone operators	—
Typists	—
Other clerical and kindred workers	—
Craftsmen and kindred workers	—
Foremen, n.e.c.	—
Mechanics and repairmen	—
Printing craftsmen	—
Operatives, except transport	—
Assemblers	—
Bottling and canning operatives	—
Checkers, examiners, inspectors, manufacturing	—
Graders and sorters, manufacturing	—
Packers and wrappers, except produce	—
Produce graders and packers, exc. factory and farm	—
Mixing operatives	—
Sewers and stitchers	—
Other specified operatives	—
Machine operatives, miscellaneous specified	—
Machine operatives, not specified	—
Miscellaneous operatives	—
Not specified operatives	—
Transport equipment operatives	—
Deliverymen and routelemen	—
Laborers, except farm	—
Farm workers	—
Service workers, except private household <sup>1</sup>	—
Cleaning service workers	—
Cleaners and charwomen	—
Food service workers	—
Waiters and food counter workers	—
Health service workers	—
Personal service workers	—
Protective service workers	—
Private household workers	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit organizations		Other professional and related services	
							Government	Private	Health services, except hospitals				
Total							Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, nonprofit organizations	Other professional and related services	Public administration
<b>PERSONS 65 YEARS OLD AND OVER—Continued</b>													
<b>Male, employed</b>													
44 449	19 733	29 158	30 585	78 350	32 660	26 049	45 437	44 887	28 829	59 266	62 699	100 022	
7 133	94	709	755	2 619	3 588	4 746	35 062	15 681	11 436	24 263	50 223	14 484	
2 633	38	—	421	81	57	1 117	57	47	98	369	10 724	2 327	
—	—	—	—	—	—	—	—	—	—	40	1 989	91	
50	18	97	40	41	108	58	109	—	158	164	5 568	38	
775	—	—	—	—	—	41	—	—	—	—	—	2 295	
—	—	—	—	—	—	—	—	—	—	—	41	38	
—	—	—	—	—	—	—	—	—	—	—	128	16	
89	18	14	—	—	—	17	18	34	41	14	2 057	996	
90	—	—	—	—	—	—	—	—	—	—	—	430	
471	—	17	23	20	21	21	—	18	18	19	161	216	
—	—	25	17	21	47	20	91	35	99	18	649	134	
125	—	—	—	21	—	20	—	54	—	113	2 069	465	
—	—	—	—	—	—	20	—	—	—	—	—	—	
—	—	—	—	—	—	21 176	149	—	22	55	20 950	3 639	
42	—	—	—	19	20	822	—	296	313	96	117	73	
—	—	—	—	21	—	209	—	23	—	51	135	80	
93	—	—	—	—	—	883	58	159	92	43	452	461	
52	—	—	—	—	—	363	24	105	28	—	206	130	
—	—	—	—	—	—	20	—	—	—	—	—	179	
—	—	—	—	62	18	43	43	—	111	99	43	722	
263	—	—	56	—	86	2 900	33 136	116	102	131	88	418	
—	—	—	—	—	21	65	10 549	129	—	21	54	43	
—	—	—	—	—	—	597	39	19	—	—	—	—	
—	—	—	—	—	46	2 276	19 014	110	102	110	34	—	
—	—	—	—	—	19	3 554	3 534	—	—	—	—	341	
—	—	—	—	82	20	1 211	472	76	—	106	—	75	
21	—	—	—	—	—	557	404	40	39	95	50	—	
—	—	—	—	65	—	365	279	40	138	19 738	58	32	
—	—	—	38	—	—	20 563	350	—	40	104	134	418	
851	—	—	—	—	—	398	66	20	—	1 535	25	627	
22	—	18	61	—	218	76	40	122	—	—	—	—	
—	—	—	—	—	—	9 919	—	5 379	4 540	—	—	—	
22	38	15	21	39	162	13 405	—	8 255	4 873	241	16	88	
462	—	—	—	41	17	2 176	—	138	88	145	1 759	755	
252	—	—	—	20	—	1 020	—	52	—	—	968	311	
45	—	—	—	—	17	59	—	24	17	—	—	106	
—	—	—	—	—	—	—	—	—	—	—	—	15	
165	—	—	—	21	—	1 097	—	62	71	145	791	323	
19	—	99	—	267	—	121	22	60	22	—	17	999	
—	—	—	—	—	—	22	—	—	22	—	—	24	
—	—	—	—	267	—	22	—	—	—	—	—	—	
—	—	—	—	—	—	17	—	—	—	—	—	—	
19	—	99	—	—	—	60	—	60	—	—	17	902	
1 697	—	20	118	1 717	2 270	66	40	101	312	1 116	3 496	394	
183	—	460	—	184	612	74	148	579	488	1 135	4 582	723	
—	—	—	—	—	—	—	—	—	—	—	—	—	
3 732	2 395	1 986	7 076	7 693	4 936	1 535	1 407	3 225	2 244	4 997	1 708	21 253	
97	19	17	56	87	87	535	23	91	42	106	91	215	
3 635	2 376	1 969	7 020	3 693	4 849	1 353	1 384	3 134	2 202	4 891	1 617	21 038	
2 212	1 300	755	3 573	3 894	3 454	1 353	1 081	3 134	1 916	4 824	1 081	21 038	
1 423	1 076	1 214	3 447	3 799	1 395	1 182	303	—	286	57	536	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
2 677	314	483	172	809	504	1 388	54	58	370	631	255	406	
—	—	—	—	—	—	—	—	—	—	—	—	—	
1 785	27	161	—	77	68	85	—	19	23	—	43	90	
892	287	322	172	732	436	1 303	20	39	347	631	212	316	



Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit membership organizations		Other professional and related services
							Total	Hospitals	Health services, except hospitals			
<b>PERSONS 65 YEARS OLD AND OVER—Continued</b>												
<b>Male, employed—Continued</b>												
668	1 003	740	1 198	13 650	3 637	903	618	915	1 137	1 683	346	5 251
17	38	30	25	128	—	38	—	300	106	81	18	152
132	—	20	17	82	154	37	18	57	41	56	—	1 055
—	830	—	21	41	—	18	38	22	21	—	26	—
147	39	474	927	10 246	3 026	674	488	771	891	1 150	286	3 047
67	—	126	—	211	71	23	19	—	41	57	—	210
305	96	90	208	2 942	386	113	55	65	37	339	16	787
<b>Farm workers</b>												
19 585	624	1 951	12 691	33 720	12 501	12 608	5 196	19 816	10 134	20 846	4 631	29 700
4 949	514	362	4 825	2 630	4 679	5 597	3 085	16 479	7 765	17 616	819	7 251
20	—	—	3 836	42	1 580	1 693	346	1 667	768	1 667	22	70
—	—	—	—	23	—	2 987	1 000	74	17	15	39	55
155	—	46	2 962	23 116	4 345	819	1 556	376	230	1 002	127	504
13 749	110	108	941	4 420	1 078	1 438	554	1 121	212	502	116	3 951
712	—	1 435	127	7 489	819	74	55	710	142	44	3 508	17 869
<b>Female, employed</b>												
16 082	1 877	5 430	27 909	201 450	10 050	55 776	51 089	74 279	51 243	40 783	41 404	39 832
1 965	—	264	285	3 644	1 702	15 288	15 488	47 920	32 862	9 821	14 068	4 338
7 889	—	20	59	16	62	148	107	87	60	124	1 253	717
21	—	—	—	—	—	—	—	39	—	—	—	49
—	—	—	—	—	—	—	—	141	17	14	91	19
—	—	—	—	—	39	34	—	4 943	1 400	534	42	86
—	—	—	—	21	—	87	53	2 276	16	19	59	76
—	—	—	—	—	—	346	1 857	2 276	39	18	—	90
72	—	—	43	2 487	—	346	11 175	24 905	609	529	179	213
—	—	—	—	—	—	12 113	694	2 205	300	18	—	—
94	—	—	—	22	21	1 413	55	67	12	50	186	78
23	—	—	55	22	78	294	102	4 080	82	3 328	17	588
38	—	—	37	200	563	237	149	68 356	27 445	288	132	223
37	—	—	—	—	—	23	20	181	40	—	85	142
—	—	—	—	—	36	—	15	57	42	1 940	1 876	307
462	—	41	91	682	633	86	89	4 283	250	2 959	10 148	449
429	—	203	—	194	270	469	1 172	21 505	3 192	58	154	1 301
<b>Managers and administrators, except farm</b>												
1 256	160	307	4 122	2 376	611	1 433	2 183	3 096	2 522	1 484	740	4 647
105	—	—	—	60	15	113	113	259	35	44	—	110
1 151	160	307	4 122	2 316	596	1 320	2 183	3 029	2 487	1 440	740	4 537
773	96	169	1 926	1 340	414	1 253	1 287	3 029	2 121	1 382	586	4 537
378	64	138	2 196	976	182	67	896	1 541	366	58	154	—
<b>Sales workers</b>												
728	113	263	124	748	618	172	202	1 484	291	595	164	133
<b>Clerical and kindred workers</b>												
8 569	1 069	2 139	5 530	6 973	2 910	9 696	7 999	9 016	5 886	12 934	15 843	24 984
97	21	22	19	824	404	119	35	154	401	1 735	2 028	38
1 030	697	272	689	319	1 307	735	1 245	6 575	431	2 220	2 028	2 075
—	106	—	471	319	—	448	39	1 666	315	1 735	—	191
45	—	—	1 426	1 813	26	43	31	148	20	54	—	37
191	—	43	—	813	82	289	86	1 374	231	452	135	826
505	—	—	59	30	37	159	62	1 497	63	79	24	390
17	—	—	—	—	17	80	44	163	—	39	—	63
82	—	—	—	—	—	79	18	133	22	—	—	156

Table 1. Industry Group of Employed Persons by Occupation, Age, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Professional and related services				Public administration	
							Educational and kindred services		Welfare, religious, and nonprofit membership organizations	Other professional and related services		Total
							Government	Private				
219	—	—	—	25	31	—	88	23	109	—	—	276
104	—	—	59	208	889	123	1 758	2 011	199	—	—	425
1 462	100	—	219	349	818	276	1 694	2 807	2 129	6 276	6 594	3 843
—	—	—	—	20	22	23	161	60	83	215	34	886
312	—	—	—	35	77	122	64	42	33	333	234	796
860	—	—	21	1 284	91	88	1 455	94	173	320	128	573
1 229	60	—	44	134	972	422	1 711	519	669	662	893	3 734
2 382	85	—	1 459	791	1 972	422	1 972	976	4 150	2 030	5 601	11 494
414	392	—	622	91	1 287	130	323	366	332	155	181	393
73	18	—	185	57	111	23	95	124	19	67	—	152
17	312	—	—	—	42	18	—	28	16	—	—	108
—	—	—	—	—	—	—	—	—	24	23	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
836	55	—	491	514	17 780	112	2 792	1 018	276	834	544	389
40	—	—	—	—	14	—	—	14	—	—	—	19
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
114	—	—	—	—	81	26	61	29	—	21	18	38
—	—	—	—	—	—	—	—	—	—	—	—	—
39	—	—	—	—	—	—	—	—	—	—	—	—
423	40	—	112	57	1 388	63	811	16	139	185	—	211
58	15	—	221	457	15 929	23	1 720	914	179	555	503	40
78	—	—	19	—	106	—	99	21	21	19	—	20
—	—	—	102	—	65	—	21	—	—	38	—	34
—	—	—	37	—	197	—	80	24	137	16	23	27
—	—	—	—	—	—	—	—	—	—	—	—	—
—	59	—	31	—	84	17	168	—	59	90	—	14
—	—	—	—	—	30	17	19	—	19	—	—	—
122	19	—	174	99	1 091	53	274	199	41	42	67	284
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
2 192	20	—	1 139	17 144	18 272	3 897	25 798	23 634	13 479	14 828	9 797	4 650
1 662	20	—	147	7 561	1 447	836	4 120	3 241	2 562	6 013	435	1 390
994	20	—	21	1 330	818	463	2 736	2 230	4 477	2 366	281	557
40	—	—	—	2 823	42	1 129	5 346	4 281	8 267	3 301	36	478
—	—	—	—	936	24	634	3 168	366	1 026	696	—	68
—	—	—	—	169	65	—	14 967	14 474	53	425	93	120
127	—	—	13	6	11 745	1 486	1 970	1 482	2 522	4 902	169	691
167	—	—	150	6 569	—	18	36	60	3 078	4 902	91	1 533
196	—	—	—	22	—	—	—	—	57	—	—	—
—	—	—	—	—	149 195	—	—	—	—	—	—	—

\*Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	United States		Construction		Manufacturing							Motor vehicles and motor vehicle equipment		
	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)		Machinery, except electrical	Electrical machinery, equipment, and supplies
<b>WHITE</b>														
<b>Male, employed</b>	43 115 750	2 273 907	559 852	3 932 722	1 657 710	402 884	276 610	426 749	699 436	268 867	873 114	1 586 188	1 123 327	774 514
Professional, technical, and kindred workers	6 527 990	71 892	63 677	188 739	26 168	10 808	10 621	33 946	50 865	25 929	75 810	249 607	316 543	77 998
Accountants	514 704	1 233	8 766	13 215	2 825	2 066	1 738	4 302	5 725	3 224	8 774	17 192	18 035	8 411
Architects	51 541	4 407	42	2 472	139	82	19	54	19	19	74	216	108	179
Computer specialists	199 447	212	2 204	1 650	1 650	229	287	958	1 595	963	2 174	25 806	13 050	3 331
Engineers	1 177 858	3 706	18 789	94 316	12 665	2 432	2 552	10 998	16 466	9 705	28 529	102 744	154 799	31 870
Aeronautical and astronautical	65 249		38	960	42	35	21	109	610	395	63	1 377	1 037	79
Chemical	51 594	21	1 151	960	42	35	38	1 094	610	395	363	1 377	1 037	515
Civil	166 639	1 954	1 059	71 415	4 698	261	42	927	1 313	216	1 632	1 266	756	430
Electrical and electronic	270 377	1 677	5 900	5 900	2 878	379	22	514	1 439	1 189	1 664	16 041	90 328	1 425
Industrial	182 460	230	1 013	3 165	480	620	1	3 095	5 193	2 645	6 941	19 373	24 973	9 214
Mechanical	174 763	291	1 569	5 962	1 866	320	158	1 246	1 866	1 447	7 006	31 383	14 062	15 712
Other engineers	266 776	1 043	13 183	6 876	2 701	817	997	4 101	6 045	3 813	10 840	33 165	21 833	4 495
Lawyers and judges	258 839	35	1 110	649	27	69	-	92	423	155	229	836	1 254	500
Librarians, archivists, and curators	25 299		28	56	-	-	-	44	19	-	-	101	60	-
Mathematical specialists	22 423	94	140	187	-	-	-	26	166	173	-	505	606	569
Life and physical scientists	168 528	3 545	14 832	1 314	122	261	38	2 122	5 084	1 985	1 735	2 829	3 336	1 014
Chemists	90 658	179	2 806	388	64	222	38	848	5 064	1 790	1 985	2 119	1 805	949
Operations and systems researchers and analysts	70 059	41	356	487	56	149	227	875	6 627	6 382	1 791	6 482	6 585	2 390
Personnel and labor relations workers	191 377	732	1 813	3 322	738	857	1 153	1 668	2 900	1 210	3 827	8 542	9 097	4 897
Physicians, dentists, and related practitioners	471 192	15 379	80	119	19	23	-	40	103	-	62	154	233	180
Dentists	86 252		39	19	-	-	-	22	-	-	-	15	60	-
Pharmacists	93 632		21	41	-	-	-	18	-	-	62	122	173	-
Physicians, medical and osteopathic	239 190	84	20	20	-	-	-	-	-	-	-	17	-	-
Other related practitioners	52 118	15 295	-	59	19	-	-	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	44 871	216	26	75	17	30	-	42	47	20	-	32	22	65
Health technologists and technicians	68 817	249	82	118	19	-	-	42	19	-	22	42	130	-
Religious workers	216 488	19	528	478	22	124	85	484	749	387	728	4 142	3 504	1 559
Social scientists	86 324	143	528	478	22	124	85	484	749	387	728	4 142	3 504	1 559
Social and recreation workers	93 898	172	94	94	-	-	-	-	-	-	-	-	84	18
Teachers, college and university	335 586	149	69	324	79	-	-	-	-	-	-	-	-	-
Teachers, except college and university	757 396	149	69	324	79	-	-	-	-	-	-	-	-	-
Engineering and science technicians	696 402	6 276	10 419	51 119	6 112	21	167	80	276	52	310	1 886	1 116	330
Draftsmen	256 095	1 089	3 031	20 692	4 620	1 753	2 460	8 397	13 451	6 241	22 313	57 923	81 891	16 295
Electrical and electronic engineering technicians	143 369	72	733	1 819	1 048	174	2 130	2 598	4 599	1 731	15 962	33 555	25 477	9 183
Industrial and mechanical engineering technicians	30 706	71	170	18	18	38	46	443	547	304	10 900	10 900	44 764	827
Other engineering and science technicians	266 232	5 115	6 584	28 438	426	450	155	4 758	6 082	3 738	4 766	9 564	8 328	3 560
Technicians, exc. health, and eng. and science	135 360	2 975	1 488	2 482	408	133	24	250	248	187	348	1 648	884	65
Airplane pilots	51 173	2 298	461	519	119	114	24	98	105	61	132	169	266	-
Enablers	4 417													
Radio operators and air traffic controllers	42 854	168	96	755	69	19	-	42	44	-	-	21	76	-
Other technicians, exc. health, and eng. and science	306 916	509	931	1 208	220	357	1 595	2 229	1 400	528	2 977	14 978	17 313	65
Writers, artists, and entertainers	506 447	7 465	745	6 453	1 672	2 222	260	1 285	1 783	502	1 879	3 491	4 414	1 035
Other professional, technical, and kindred workers	435 094	24 845	2 160	9 789	1 028	2 222	260	1 285	1 783	502	1 879	3 491	4 414	1 035
Managers and administrators, except farm	5 161 912	21 133	38 082	410 577	131 708	30 896	20 478	34 573	21 228	13 514	67 145	116 911	94 035	26 020
Buyers, purchasing agents, and sales managers	679 777	1 455	6 009	13 226	4 187	4 053	4 042	5 271	4 793	2 725	13 264	26 295	22 046	6 345
Other managers and administrators	4 482 135	19 678	32 073	397 351	127 521	26 843	16 435	29 302	16 435	10 789	53 881	90 616	71 989	19 675
Salaries	3 603 113	11 611	25 712	257 058	76 723	17 162	14 465	26 591	15 995	10 355	49 187	84 184	70 560	19 115
Self-employed	879 022	8 067	6 361	140 293	50 798	9 681	1 971	2 711	440	434	4 694	6 432	1 429	560
Sales workers	3 189 425	8 439	4 620	30 273	13 806	5 761	10 269	13 261	7 134	4 584	22 113	45 118	23 145	8 179
Newsboys	51 458			46 610		139	176	300	400	133	673	1 366	1 091	465
Other specified sales workers	886 995	882	161	3 203	1 179	5 622	10 093	12 961	6 734	4 451	21 440	43 752	22 054	7 714
Salesmen and sales clerks, n.e.c.	2 250 972	7 557	4 459	27 070	12 627	373 199								

82 Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)			Machinery, except electrical
<b>WHITE—Continued</b>														
	3 258 901	9 527	22 230	98 346	36 230	10 612	13 661	22 361	51 271	15 852	55 436	105 974	82 523	51 422
Bookkeepers	263 212	5 528	4 200	1 538	5 420	1 463	1 098	2 379	3 265	1 348	4 249	6 961	5 377	3 745
Cashiers	121 159	133	88	303	143	20	38	38	130	79	79	105	203	83
Estimators and investigators, n.e.c.	158 759	814	1 120	34 312	18 410	495	522	722	1 395	300	4 178	4 055	2 823	1 465
Office machine operators	133 397	335	1 694	1 208	255	342	336	797	1 774	705	2 024	7 021	4 998	2 799
Secretaries, stenographers, and typists	116 567	474	877	3 993	1 235	403	391	489	1 680	467	1 683	2 532	1 748	7 592
Shipping and receiving clerks	302 423	606	696	2 487	1 118	2 626	5 500	4 433	7 682	3 683	15 108	18 475	13 665	12 769
Stock clerks and storekeepers	308 371	650	5 023	3 993	1 118	1 092	1 862	3 002	5 523	8 087	20 088	21 929	15 892	8 087
Other clerical and kindred workers	1 835 013	3 957	10 650	35 982	7 973	4 171	3 952	10 501	29 762	6 879	20 088	44 896	37 817	21 323
<b>Craftsmen and kindred workers</b>	9 405 092	38 774	154 171	2 378 078	1 221 091	78 963	89 509	98 023	255 862	77 332	251 815	441 615	240 453	209 253
Construction craftsmen	2 551 607	12 950	41 623	1 748 006	1 001 286	18 200	11 662	16 416	39 808	10 608	31 870	27 564	21 945	25 322
Brickmasons and stonemasons	135 777	422	550	118 167	75 712	42	11 499	1 536	6 135	581	1 015	504	235	272
Carpenters	785 390	4 954	6 991	599 605	203 596	8 606	9 229	2 542	3 823	1 564	3 649	3 594	2 639	2 503
Electricians	454 594	407	10 518	206 079	188 669	2 193	2 234	454	15 858	5 315	7 428	12 146	12 662	11 610
Excavating, grading and road machine operators	286 120	5 267	19 827	208 623	29 314	6 120	219	4 223	4 027	625	830	1 210	138	558
Painters (constr. & maint.), plasterers, & paperhangers	316 473	795	993	219 980	197 145	493	1 543	461	761	296	2 506	3 704	2 792	3 497
Plumbers and pipefitters	359 938	725	2 171	222 957	185 081	1 869	6 823	1 624	6 823	1 869	3 784	5 297	3 107	6 877
Other construction craftsmen	214 315	440	573	172 595	127 769	158	2 381	1 590	2 381	1 58	12 598	1 109	372	305
Foremen, n.e.c.	1 384 472	10 137	39 918	145 191	44 201	21 346	20 138	31 825	57 588	21 826	61 359	83 277	72 275	48 418
Mechanics and repairmen	2 245 742	8 451	33 211	113 784	61 347	9 491	5 342	23 277	28 278	11 404	28 295	79 766	42 750	52 900
Automobile, including body	826 933	1 869	4 013	14 405	2 168	1 603	89	3 544	1 707	485	1 253	2 686	1 167	32 189
Metal craftsmen, except mechanics	1 011 782	1 269	5 754	75 013	58 668	7 822	5 119	12 282	78 997	25 205	110 437	234 933	74 167	71 409
Machinists, job setters, and toolmakers	621 895	628	3 853	4 357	1 481	2 395	3 618	8 961	21 648	13 368	64 331	200 112	56 777	50 956
Blacksmiths, forgers, hammermen, boilermakers	51 051	227	863	5 768	2 323	2 395	3 618	8 961	21 648	13 368	64 331	200 112	56 777	50 956
Other metal craftsmen	338 838	404	1 040	64 888	54 864	5 285	4 406	2 976	50 673	10 898	36 939	32 487	16 990	19 343
Printing craftsmen	314 012	55	206	1 661	643	179	334	432	478	142	2 639	2 041	1 983	483
Stationary engineers and power station operators	179 875	408	18 131	4 512	1 413	696	320	1 371	4 678	1 268	15 498	3 540	2 916	2 068
Other craftsmen and kindred workers	1 717 602	5 504	15 328	285 911	53 533	21 229	46 594	12 420	50 718	6 879	15 498	14 844	24 417	8 653
<b>Operatives, except transport</b>	5 619 204	17 322	204 110	206 599	103 042	124 113	106 824	132 668	210 190	101 403	325 614	541 539	304 482	328 789
Assemblers	418 070	375	468	2 144	1 013	6 640	3 405	3 405	3 809	2 096	27 803	87 670	65 908	97 891
Checkers, examiners, and inspectors, manufacturing	332 159	—	—	863	—	2 440	3 828	9 799	15 678	8 532	21 003	49 542	53 883	43 853
Filers, polishers, sanders, and buffers	80 910	140	245	527	382	1 369	7 102	1 238	1 853	916	6 717	8 742	3 556	8 189
Painters, manufactured articles	83 797	64	185	63 544	19	1 369	7 102	1 238	1 853	916	6 717	8 742	3 556	8 189
Precision machine operatives	350 654	395	1 500	2 276	752	3 364	4 830	4 408	22 663	5 546	34 572	147 684	24 445	33 676
Drill press operatives	51 113	41	267	338	70	294	49 075	707	1 521	784	5 404	21 827	5 178	4 426
Grinding machine operatives	113 928	112	656	257	80	108 147	528	1 064	12 954	2 959	11 522	45 688	9 323	14 121
Lathe and milling machine operatives	125 234	142	373	1 281	541	2 063	1 730	2 224	6 812	1 489	9 839	52 617	9 323	9 119
Precision machine operatives, n.e.c.	60 359	100	204	400	61	479	2 212	2 212	1 376	314	7 807	27 552	4 117	6 010
Punch and stamping press operatives	100 867	124	85	890	498	451	2 002	1 159	5 801	3 155	25 232	17 635	14 993	16 938
Solders	6 051	—	—	69	48	5 328	57	132	41	63	446	755	1 614	911
Stationary firemen	78 971	493	1 030	863	157	3 213	854	7 411	2 603	1 416	1 127	1 379	1 359	1 227
Welders and flame-cutters	462 955	2 241	10 523	58 769	25 327	2 040	5 551	6 013	25 777	4 976	65 958	68 640	38 927	38 308
Other specified operatives	2 158 615	5 674	189 725	112 402	66 063	51 288	22 231	25 186	47 093	22 137	40 631	35 952	31 701	18 724
Machine operatives, miscellaneous specified	639 591	3 784	118	7 600	2 097	19 662	12 353	32 648	32 591	25 730	33 800	32 347	28 532	18 516
Machine operatives, not specified	339 951	995	39	5 141	946	6 739	6 401	11 701	12 999	10 672	28 988	50 284	20 853	22 037
Miscellaneous operatives	379 435	1 487	22	1 518	3 284	6 739	7 951	15 702	22 161	9 100	16 352	19 954	21 611	11 301
Not specified operatives	187 198	1 550	170	4 381	2 454	10 782	3 287	9 948	15 397	4 577	11 337	13 005	11 141	6 827
<b>Transport equipment operatives</b>	2 396 458	23 149	42 331	149 107	24 347	33 849	8 659	44 947	19 827	9 835	24 245	24 050	14 979	25 673
Deliverymen and roulemen	531 509	4 017	1 341	5 646	2 841	1 477	1 571	3 813	766	349	2 263	2 380	1 554	1 062
Fork lift and tow motor operatives	169 166	793	1 457	4 454	1 325	11 445	2 022	9 283	6 355	4 632	9 725	10 505	6 892	12 380
Truck drivers	1 177 217	16 239	30 405	124 903	19 085	20 472	4 944	31 073	8 738	4 199	10 965	9 714	5 304	8 882
Other transport equipment operatives	518 566	2 100	8 928	14 104	996	455	122	778	3 968	655	1 292	1 451	5 229	3 349



Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Total, 16 years old and over		Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Motor vehicles and motor vehicle equipment			
	Total	16 years and over	Total	Special contractors	Total	Special contractors	Total	Special contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries		Fabricated metal industries (including specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies
<b>United States</b>																		
<b>WHITE—Continued</b>																		
<b>Male, employed—Continued</b>																		
<b>Laborers, except farm</b>	2 461 347	129 509	22 212	96 932	445 159	624 373	11 417	37 104	63 177	13 861	33 794	34 883	23 629	27 600				
Construction laborers	451 824	882	2 843	89 900	390 690	19 417	2 979	770	3 619	801	1 508	1 183	341	471				
Freight, stock, and material handlers	989 693	1 669	12 450	5 163	11 040	255 134	5 881	16 320	14 895	3 910	14 204	15 405	14 195	16 950				
Vehicle washers and equipment cleaners	78 294	1 777	527	262	746	25 585	76	1 124	1 184	541	1 170	2 634	991	2 009				
Other specified laborers	520 385	120 631	1 379	1 589	41 911	110 168	57 953	948	881	533	1 350	1 418	1 359	2 872				
Miscellaneous laborers	140 284	3 759	1 890	42	42	61 347	5 212	2 662	21 965	2 199	5 528	4 163	1 240	2 070				
Not specified laborers	280 867	2 391	3 113	18	730	152 722	8 841	13 071	20 633	5 877	10 034	70 060	5 503	5 228				
<b>Farm workers</b>	1 945 039	1 945 039																
<b>Service workers, including private household</b>	3 150 382	9 122	8 419	4 386	29 844	304 492	7 322	9 866	19 942	6 557	17 142	26 491	23 538	19 580				
Cleaning service workers	939 377	4 232	4 666	2 552	15 920	186 197	3 280	7 069	12 676	4 364	11 866	19 064	15 199	12 442				
Food service workers	721 043	585	814	211	605	7 546	45	92	115	48	66	453	396	158				
Health service workers	103 791	613	89	38	38	372			147	72		58	13	58				
Personal service workers	338 424	420	144	129	132	6 005	40	186	167	154	283	344	209	307				
Guards and watchmen	273 174	1 667	2 152	467	5 878	72 360	3 111	492	5 955	1 748	3 904	5 271	6 712	5 689				
Other service workers, including private household	774 573	1 505	554	989	6 079	31 792	538	372	882	171	1 023	1 301	1 009	926				
<b>Female, employed</b>	25 375 301	273 341	48 813	106 767	253 735	5 097 980	46 026	95 312	56 161	46 846	205 601	310 265	664 886	116 451				
<b>Professional, technical, and kindred workers</b>	4 132 696	7 331	4 068	2 286	11 194	210 605	892	1 188	2 814	2 106	5 393	14 654	26 735	3 830				
Accountants	169 515	644	1 031	855	3 614	26 433	427	311	515	457	1 859	2 908	3 917	902				
Computer specialists	46 476	126	324	230	454	12 842		91	146	86	270	3 422	1 949	458				
Engineers	19 037	32	168	83	1 434	8 121	60	23	103	38	229	891	2 349	154				
Librarians, archivists, and curators	92 835	21	163		74	2 424	17	173	105	21	21	225	225	40				
Life and physical scientists	24 220	543	566		30	6 991	17	184	149	157	157	242	234	34				
Physicians, dentists, and related practitioners	39 143	869								20	21		45					
Registered nurses, dietitians, and therapists	811 626	289	192	17	252	13 571	19	377	965	365	777	1 544	1 831	1 277				
Health technologists and technicians	162 917	105				358			34			21	22					
Social scientists	18 722	66	40			1 694	33		23		43	127	208	67				
<b>Social and recreation workers</b>	129 490				22	203		23					38					
Teachers, except college and university	1 746 208	55		54	104	4 128		141	152	22	41	291	632	45				
Engineering and science technicians	82 089	523	999	230	2 178	41 759	95	86	378	468	984	2 419	9 299	378				
Technicians, exc. health, and engineering and science	15 429	147	55	16	176	679		22	16			63	129	18				
Writers, artists, and entertainers	219 388	1 959	76	707	1 292	61 145	83	161	145	22	164	1 068	2 410	127				
Other professional, technical, and kindred workers	555 601	1 952	434	320	1 564	29 696	141	221	283	308	302	1 485	3 447	330				
<b>Managers and administrators, except farm</b>	1 002 272	2 834	1 487	5 083	11 841	66 997	1 212	1 860	768	690	3 444	5 449	5 449	733				
Buyers, purchasing agents, and sales managers	129 643	191	204	199	640	12 287	158	294	174	136	771	1 501	1 501	1 501				
Other managers and administrators	872 629	2 643	1 283	4 884	11 201	54 710	1 054	1 566	594	554	2 673	4 146	3 901	602				
Salaries	673 718	1 354	1 091	3 776	8 734	47 987	855	1 352	594	554	2 453	3 930	3 742	514				
Self-employed	198 911	1 289	192	1 108	2 467	6 723	199	214	401		220	216	159	88				
<b>Sales workers</b>	2 038 977	3 389	242	1 629	3 601	55 224	335	652	189	227	891	1 425	2 315	148				
<b>Clerical and kindred workers</b>	9 346 947	42 422	34 953	75 068	183 324	1 491 839	17 324	25 202	34 644	20 495	80 803	156 315	167 469	43 430				
Billing clerks	79 839	167	298	540	894	366	850	850	903	447	1 446	2 466	2 379	506				
Bookkeepers	1 228 237	13 087	5 215	27 471	52 380	190 936	5 557	4 663	5 975	3 312	12 330	18 597	15 700	3 985				
Cashiers	639 862	326	66	57	350	6 702	15	85	36	81	100	524	477	376				
Counter clerks, except food	138 269	157	127	102	196	2 043	113	374	265	139	481	1 425	1 845	306				
File clerks	254 272	461	722	888	2 501	48 985	177	572	608	647	2 186	5 866	6 712	1 845				
Office machine operators	362 783	75	1 862	702	3 678	96 563	671	1 417	1 884	1 469	4 537	12 510	12 070	5 201				
Bookkeeping and billing machine operators	53 331	781	134	246	678	98	121	224	139	125	489	867	595	120				
Keypunch operators	212 257	396	1 344	388	2 399	62 554	400	875	1 219	1 058	2 988	8 665	8 208	3 489				

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing							Motor vehicles and motor vehicle equipment	
	Total, 16 years old and over	Total	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Electrical machinery, equipment, and supplies		
<b>United States</b>															
<b>WHITE—Continued</b>															
Female, employed—Continued															
Clerical and kindred workers—Continued															
Payroll and timekeeping clerks	101 551	505	732	1 481	43 713	551	1 216	1 336	1 366	822	2 969	5 028	4 119	1 288	
Receptionists	272 089	4 129	737	1 281	25 630	247	649	801	439	416	2 092	2 942	2 189	818	
Secretaries	2 534 332	11 081	16 738	30 458	490 178	6 290	7 773	13 599	12 550	8 313	29 989	61 615	63 316	15 921	
Statistical clerks	143 341	464	457	188	25 125	179	335	490	762	175	1 305	2 748	3 823	828	
Stenographers	112 051	570	1 083	408	19 185	95	159	512	1 209	378	1 356	2 207	2 056	1 024	
Telephone operators	347 835	1 200	1 489	530	23 632	158	512	587	701	515	1 356	2 711	2 927	837	
Typists	821 336	2 934	2 425	3 715	160 929	843	2 307	2 589	4 907	2 231	9 206	17 111	20 914	4 777	
Other clerical and kindred workers	2 311 150	7 640	4 002	7 247	315 627	2 062	4 311	5 037	4 915	2 293	12 208	20 565	28 942	5 718	
Craftsmen and kindred workers	463 670	1 621	1 681	16 621	235 169	2 961	9 432	2 706	3 268	2 462	8 053	11 203	26 526	4 305	
Foremen, n.e.c.	117 020	1 167	592	1 368	73 482	434	1 600	956	488	2 071	2 071	2 306	8 520	777	
Mechanics and repairmen	43 326	1 183	227	636	19 383	63	114	321	230	189	721	740	5 848	1 201	
Printing craftsmen	52 295	41	—	41	44 984	101	121	67	33	35	508	663	961	80	
Operatives, except transport	3 442 495	8 349	4 828	3 159	2 897 569	18 560	54 157	53 592	9 799	19 396	98 194	114 252	422 693	59 673	
Assemblers	402 102	1 747	1 112	382	387 998	2 328	8 797	3 195	853	2 822	20 739	42 573	173 844	22 418	
Bottling and canning operatives	13 616	62	—	—	12 977	—	—	—	1 731	3 212	12 833	82	69 700	20	
Checkers, examiners, inspectors, manufacturing	301 606	—	—	—	301 606	1 071	3 198	17 243	792	98	17 080	17 080	69 700	7 692	
Graders and sorters, manufacturing	20 589	—	—	—	20 589	792	37	723	216	—	488	101	716	137	
Packers and wrappers, except produce	310 598	3 460	18	32	206 279	1 568	2 953	9 693	696	1 288	8 118	4 505	11 093	1 914	
Produce graders and packers, exc. factory and farm	18 318	855	—	—	21	—	—	—	—	—	—	—	—	—	
Mixing operatives	2 021	—	—	—	1 854	—	20	107	—	38	42	37	105	22	
Sewers and stitchers	718 636	63	—	—	693 602	96	14 133	524	30	59	457	615	1 170	3 204	
Other specified operatives	1 043 111	1 758	4 658	2 075	728 375	4 793	13 836	5 550	2 906	5 279	29 094	28 245	72 590	12 443	
Machine operatives, miscellaneous specified	253 177	484	21	119	233 060	3 441	4 568	8 746	1 331	3 183	9 647	7 093	35 929	4 581	
Machine operatives, not specified	125 559	61	—	88	116 132	1 044	2 295	1 644	1 062	1 750	10 591	7 567	19 097	4 251	
Miscellaneous operatives	154 529	1 333	19	156	126 554	2 344	3 118	4 584	450	1 074	3 465	3 725	23 353	1 608	
Not specified operatives	78 643	1 126	—	146	68 522	1 083	1 202	1 631	522	593	2 549	2 629	14 854	1 383	
Transport equipment operatives	120 008	655	374	322	8 672	428	154	579	247	88	417	235	471	632	
Deliverymen and roulemen	17 500	237	—	34	2 649	—	—	25	23	—	38	18	51	111	
Laborers, except farm	228 513	16 884	297	1 408	84 036	3 547	1 804	2 967	1 187	858	6 691	2 724	8 401	1 585	
Farm workers	184 828	184 828	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, except private household <sup>1</sup>	3 892 672	5 028	883	1 191	47 869	767	863	1 301	1 735	524	1 715	3 810	4 827	2 115	
Cleaning service workers	380 485	2 885	545	552	19 666	529	467	693	1 050	333	842	1 875	2 028	852	
Cleaners and charwomen	154 377	1 013	198	384	8 242	180	187	380	380	114	328	778	835	332	
Food service workers	1 656 314	1 838	110	276	11 771	339	130	147	409	58	1 163	1 163	1 090	838	
Waiters and food counter workers	955 360	290	67	58	4 060	27	22	17	206	21	99	370	551	250	
Health service workers	808 319	216	19	19	63	19	63	63	136	46	151	109	59	19	
Personal service workers	685 007	608	76	25	4 348	38	66	154	21	46	106	139	359	149	
Protective service workers	51 075	81	13	40	1 762	21	38	56	—	87	18	53	290	127	
Private household workers	522 223	—	—	—	—	—	—	—	—	—	—	—	—	—	

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and express service	Trucking service and warehousing	Other transportation
<b>WHITE—Continued</b>	<b>Male, employed</b>															
Professional, technical, and kindred workers	571 709	331 659	190 342	851 058	902 189	452 368	243 088	466 524	745 107	701 581	332 349	587 741	3 640 816	548 005	884 114	742 564
Accountants	175 293	32 563	67 344	120 009	48 603	23 713	12 928	38 952	94 900	152 690	33 652	68 457	338 675	17 161	9 950	83 196
Architects	7 800	2 300	2 732	6 761	9 428	2 907	1 528	4 977	5 634	10 783	3 602	7 379	30 095	4 252	3 469	6 348
Computer specialists	21	672	82	89	103	37	35	59	59	94	19	41	635	37	—	314
Engineers	7 142	661	3 511	3 051	2 143	1 424	996	1 491	2 343	4 265	1 258	2 743	10 920	1 132	546	2 080
Aeronautical and astronautical	99 930	13 244	37 940	32 772	10 978	6 185	2 509	10 329	2 518	41 988	12 100	16 587	102 616	4 631	1 197	13 853
Chemical	50 327	83	4 054	364	—	16	—	37	16	23 000	1 739	5 838	1 052	—	17	1 029
Civil	704	107	678	1 058	810	254	68	2 534	21	29 000	1 739	5 838	1 052	—	17	1 029
Electrical and electronic	2 336	437	856	512	376	46	40	485	40	1 466	201	902	12 806	2 351	98	1 512
Industrial	14 256	2 403	8 615	5 260	4 879	3 796	1 848	3 087	1 238	6 037	3 523	2 211	56 997	5 111	480	1 989
Mechanical	13 306	2 494	8 846	8 275	4 879	3 796	1 848	3 087	1 238	6 037	3 523	2 211	5 439	5 111	480	1 189
Other engineers	11 767	5 402	8 531	5 218	1 942	901	235	1 726	425	4 671	1 799	2 330	13 493	423	236	8 202
Lawyers and judges	7 234	2 318	9 360	12 085	2 276	962	298	2 959	551	4 772	4 146	4 285	10 031	522	225	916
Librarians, archivists, and curators	439	80	121	546	431	189	43	209	301	1 485	129	916	3 459	554	357	637
Mathematical specialists	71	—	19	21	21	239	—	20	239	132	—	37	597	—	—	26
Life and physical scientists	870	19	503	199	180	37	20	2 024	166	701	86	235	1 373	355	66	125
Chemists	2 410	424	1 427	2 913	4 904	1 558	81	2 024	278	30 167	2 447	4 897	3 524	92	25	427
Operations and systems researchers and analysts	1 388	235	364	1 997	4 221	1 613	60	1 834	147	27 148	2 410	3 916	1 805	92	25	171
Personnel and labor relations workers	7 650	1 314	2 401	2 111	1 000	708	294	1 408	1 023	2 309	1 064	1 094	3 195	410	132	1 021
Physicians, dentists, and related practitioners	3 925	1 045	1 871	2 958	3 716	2 799	906	2 605	1 913	5 458	1 982	2 790	15 393	1 524	2 041	3 070
Dentists	44	80	19	64	205	2 799	20	54	21	1 139	—	18	314	31	—	78
Pharmacists	—	19	—	22	65	—	—	19	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	—	61	19	20	22	—	—	35	—	543	—	18	36	31	—	19
Other related practitioners	44	—	—	22	118	—	—	—	21	136	—	—	204	74	—	59
Registered nurses, dietitians, and therapists	66	23	19	62	194	—	—	—	19	61	—	19	96	21	—	27
Health technologists and technicians	105	205	59	1 530	36	—	—	33	39	699	17	161	563	28	—	103
Religious workers	1 726	187	648	1 377	1 534	187	138	578	916	3 014	639	1 537	3 108	232	16	600
Social scientists	43	—	—	27	16	—	—	—	59	—	39	—	138	—	45	—
Teachers, college and university	938	273	312	488	92	424	34	115	160	296	172	60	3 254	129	84	2 219
Teachers, except college and university	29 124	8 329	10 435	18 500	8 709	4 716	1 160	9 762	2 178	39 714	7 662	12 057	44 656	2 479	458	3 520
Engineering and science technicians	9 472	4 515	2 694	6 590	1 022	456	792	1 244	1 170	3 966	1 753	2 640	11 596	1 126	79	600
Draftsmen	7 635	1 564	3 628	3 548	1 022	72	—	263	339	864	142	513	20 695	560	80	1 197
Electrical and electronic engineering technicians	4 946	394	870	1 092	674	578	61	375	138	1 464	563	375	20 695	37	58	1 197
Industrial and mechanical engineering technicians	7 071	1 856	3 243	7 270	6 877	3 610	307	7 880	531	33 420	5 204	8 665	11 911	756	241	1 554
Other engineering and science technicians	3 427	294	567	451	323	257	68	344	128	683	358	691	54 573	147	591	45 237
Technicians, exc. health, and eng. and science	1 096	98	84	68	263	128	68	22	18	207	58	170	39 796	—	173	39 170
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	—
Embalmers	65	49	95	—	60	—	—	—	25	36	—	47	6 819	89	315	1 298
Radio operators and air traffic controllers	2 266	147	388	383	2 400	129	—	180	85	3 421	300	174	8 008	58	83	4 769
Other technicians, exc. health, and eng. and science	7 377	2 772	3 249	7 704	2 400	1 693	5 078	2 693	75 326	6 281	1 590	2 099	44 158	498	671	2 666
Writers, artists, and entertainers	2 185	623	1 414	38 435	2 190	462	53	2 176	1 537	6 281	488	15 396	15 992	590	233	845
Other professional, technical, and kindred workers	31 623	16 426	12 872	71 939	89 811	25 317	33 185	30 942	79 857	69 431	26 363	42 941	333 322	73 541	67 248	66 708
Managers and administrators, except farm	7 025	3 694	2 244	10 165	21 979	3 592	4 466	7 416	19 643	16 067	5 241	6 487	21 582	2 204	3 116	4 786
Buyers, purchasing agents, and sales managers	24 598	12 732	10 628	61 774	67 832	21 725	28 719	23 526	60 214	53 364	21 122	36 434	311 740	71 337	64 132	63 922
Other managers and administrators	24 223	11 499	10 526	54 489	62 061	20 631	25 093	22 865	51 021	51 927	20 285	33 489	289 051	71 337	51 210	58 160
Salaries	375	1 233	102	7 285	5 771	1 094	3 626	661	9 193	1 937	837	2 965	22 689	—	12 922	5 762
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	2 946	3 597	853	32 850	50 097	9 911	20 022	16 325	99 157	47 093	10 316	34 555	51 984	2 891	12 204	7 343
Newsboys	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified sales workers	555	271	213	6 380	931	42	40	285	46 610	689	295	18 588	12 191	—	56	378
Salesmen and sales clerks, n.e.c.	2 391	3 326	640	26 470	49 166	9 869	19 982	16 040	38 102	46 404	10 021	15 967	39 793	2 300	12 148	6 965

\*Includes allocated cases not shown separately.

88 Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing
46 185	18 499	56 770	14 168	47 320	26 197	22 633	28 584	63 609	46 640	22 272	40 555	400 046	86 303	68 772	102 381
2 111	1 167	2 430	924	7 136	1 581	1 387	1 808	3 417	4 527	1 293	3 341	24 662	5 267	5 503	3 840
62	22	93	515	515	70	20	39	187	172	38	86	10 210	978	820	7 578
2 302	2 023	1 242	557	2 029	394	271	1 036	3 276	1 456	603	840	11 385	3 465	2 710	1 628
3 016	4 02	2 191	1 345	2 021	1 298	879	1 545	4 418	3 181	1 091	1 976	17 865	4 446	2 124	1 548
703	363	2 281	228	9 407	564	700	701	3 796	1 082	7 603	790	13 917	5 287	2 478	2 518
2 728	1 837	9 407	228	13 780	9 483	11 708	7 900	7 225	11 381	7 603	5 841	28 902	3 994	15 793	7 725
8 938	3 509	6 158	2 781	13 780	3 947	2 318	3 937	2 398	11 381	7 603	3 862	24 089	6 564	3 010	5 771
26 325	9 176	34 008	7 394	16 370	8 860	5 350	11 618	38 892	19 429	7 611	23 819	269 021	56 302	37 244	71 773
158 291	148 609	212 404	41 238	166 966	120 822	54 946	108 655	307 030	144 907	70 569	129 426	1 066 983	199 815	82 974	133 265
16 140	60 996	10 180	5 065	12 166	7 977	1 240	14 523	3 411	26 076	7 081	11 834	96 706	23 658	2 831	11 760
83	38	96	108	108	43	47	108	88	357	57	154	606	130	48	130
1 494	25 898	2 196	1 297	2 029	1 738	384	1 451	3 359	3 359	623	2 092	11 612	5 305	618	2 495
10 020	13 341	4 128	1 514	5 807	4 519	636	6 948	9 110	9 110	3 216	2 956	43 839	10 653	355	5 183
214	352	136	136	1 032	107	—	1 085	64	1 149	444	605	12 750	1 476	1 323	2 345
2 116	6 435	1 656	136	1 005	312	80	661	633	1 713	2 280	514	6 504	2 210	304	2 661
1 868	12 377	1 641	1 309	2 044	1 170	18	4 126	304	9 645	2 280	5 243	19 580	3 656	99	296
345	2 555	382	139	56 864	44 588	16 907	33 015	29 981	53 498	29 766	30 161	142 314	24 397	26 020	14 670
32 552	20 103	11 660	11 660	43 849	55 457	10 354	23 376	10 485	34 953	16 772	15 762	266 293	48 345	45 130	92 077
47 084	12 887	21 522	564	6 834	457	152	700	405	34 953	16 772	15 762	70 121	44 548	40 343	19 778
671	611	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56 512	37 146	10 748	10 748	10 046	6 878	1 768	15 303	4 190	15 950	13 095	10 503	27 922	14 456	995	4 697
38 255	16 624	6 895	8 471	6 895	5 919	1 472	7 879	2 956	9 073	11 368	7 517	16 783	9 989	421	2 308
807	2 580	2 445	87	383	107	20	557	533	1 157	101	1 036	5 104	2 186	61	105
17 450	17 942	10 076	2 190	2 768	852	276	6 867	701	5 720	1 626	1 950	6 065	2 281	513	2 284
777	273	1 661	933	6 827	2 125	584	13 125	255 610	1 519	1 225	1 392	1 939	2 216	230	362
1 440	636	1 600	933	6 827	2 989	264	4 048	785	6 582	908	5 517	470 203	1 304	924	3 164
3 786	16 568	110 291	1 929	36 375	2 529	23 629	5 265	2 568	6 329	1 722	54 257	470 203	87 339	6 844	6 535
139 103	86 293	270 456	40 334	239 910	202 949	81 059	181 537	61 157	173 377	135 826	201 391	135 183	24 149	13 939	41 628
30 966	10 137	19 003	6 043	3 350	658	709	2 111	1 132	2 528	3 754	4 300	1 431	237	250	239
26 527	5 642	11 919	9 604	9 684	9 921	2 941	5 665	1 586	7 206	11 492	21 444	—	—	—	—
3 272	726	616	616	181	277	87	701	102	701	892	881	284	63	—	101
2 686	3 716	825	825	825	397	226	1 015	281	1 723	1 318	1 390	287	—	39	84
23 920	4 796	3 715	3 715	1 065	1 473	128	1 127	399	1 410	3 021	2 263	1 765	762	105	216
2 771	989	2 173	3 404	40	209	25	286	34	83	466	588	1 141	83	—	17
7 448	1 338	1 603	633	458	86	23	305	27	280	479	344	390	260	—	44
11 063	1 947	4 024	842	373	624	18	305	317	891	1 814	1 130	752	220	56	134
2 638	522	1 915	1 584	194	554	62	179	21	156	282	201	482	199	49	21
2 360	1 215	2 589	407	91	70	155	578	527	294	836	790	417	130	59	28
143	77	825	76	41	—	—	—	—	37	—	110	60	—	23	—
1 232	444	884	623	3 245	1 712	330	4 159	119	4 753	1 052	2 781	10 309	583	125	1 287
8 045	32 249	6 917	2 735	3 182	1 044	181	3 038	229	6 541	1 619	5 583	21 947	8 929	1 538	2 226
4 483	8 481	146 000	3 394	106 888	187 397	57 092	42 525	17 499	39 684	18 330	102 469	45 391	2 602	7 806	21 861
8 757	4 298	23 732	4 592	59 998	6 967	6 967	74 663	17 816	46 959	60 783	30 827	6 760	661	1 025	497
10 187	2 392	12 393	4 492	15 580	—	1 351	24 520	6 312	36 812	14 069	7 369	3 369	2 463	600	391
5 523	7 431	14 860	2 017	23 474	—	8 099	14 855	13 515	11 695	12 124	12 124	33 565	5 014	1 975	14 297
6 042	4 686	9 154	1 505	12 306	—	2 793	7 006	1 570	11 094	6 785	7 940	5 648	2 015	394	401
4 077	7 213	24 540	3 484	146 875	8 422	3 750	23 965	16 927	21 020	8 940	21 152	948 515	92 054	529 231	231 667
519	995	2 387	206	88 616	545	984	1 588	8 887	3 146	555	2 084	42 667	957	35 787	2 652
1 322	1 429	3 123	1 256	15 424	3 116	323	11 476	5 970	5 970	4 050	1 946	11 411	926	7 540	2 255
1 751	4 272	6 421	1 589	40 949	4 405	2 334	10 009	5 625	10 876	3 905	7 501	533 390	6 454	483 676	7 092
485	517	12 609	433	1 886	356	109	892	781	1 028	430	9 621	361 047	83 717	2 228	219 668

Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Railroads and railway express service	Trucking and warehousing	Other transportation
<b>United States</b>															
<b>WHITE—Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>															
Construction laborers	5 331	12 305	4 465	37 910	78 460	21 568	6 731	26 149	12 761	26 894	15 612	41 594	92 928	47 833	
Freight, stock, and material handlers	2 274	1 981	86	325	663	378	83	758	37	1 002	277	1 453	402	1 074	
Vehicle washers and equipment cleaners	2 547	3 076	1 812	7 844	42 215	12 442	5 526	13 163	8 410	13 582	8 024	7 371	84 908	36 089	
Other specified laborers	334	712	1 188	6 629	6 620	2 687	94	1 014	644	860	1 041	1 946	1 547	4 059	
Miscellaneous laborers	472	256	295	23 395	2 194	2 394	75	1 232	533	1 894	432	559	1 079	1 346	
Not specified laborers	337	1 386	712	1 042	4 875	1 377	36	1 958	561	738	1 507	23 234	1 714	1 584	
	1 367	4 894	1 372	4 675	21 893	4 290	917	8 024	2 576	8 818	4 331	7 021	4 278	3 690	
<b>Farm workers</b>															
Service workers, including private household	8 860	6 154	5 584	24 180	34 147	13 489	7 834	11 415	9 809	19 529	8 799	10 497	6 868	26 543	
Cleaning service workers	3 551	2 903	2 568	8 912	22 885	8 685	5 163	7 553	7 408	12 742	6 492	2 647	3 933	8 484	
Food service workers	199	43	40	160	4 320	99	102	315	266	310	77	946	79	4 344	
Health service workers	168	40	18	21	58	—	—	—	—	87	—	—	16	1 149	
Personal service workers	4 091	2 190	2 421	2 923	4 527	4 009	2 181	2 729	1 398	5 229	1 707	2 525	1 931	4 629	
Guards and watchmen	851	959	446	1 856	1 012	114	38	474	497	916	367	3 762	1 130	2 778	
Other service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—	5 159	
	112 999	38 074	59 147	418 165	309 432	397 049	827 934	133 610	384 054	205 231	148 054	40 869	105 336	232 719	
<b>Female, employed</b>															
<b>Professional, technical, and kindred workers</b>															
Accountants	9 683	1 880	4 023	13 159	11 410	7 544	8 798	4 680	51 719	21 793	3 643	1 359	1 851	6 498	
Computer specialists	1 546	358	462	1 359	2 285	632	690	1 035	2 080	1 826	821	597	1 154	2 546	
Engineers	1 256	200	818	626	303	304	181	172	180	911	198	180	76	413	
Librarians, archivists, and curators	1 248	127	496	409	182	183	295	162	118	508	155	20	25	176	
Life and physical scientists	349	73	58	145	128	21	21	42	412	366	60	9	—	35	
Physicians, dentists, and related practitioners	144	—	81	331	713	64	21	105	39	3 888	168	247	—	123	
Registered nurses, dietitians, and therapists	794	323	325	632	668	468	170	609	291	1 312	265	184	38	177	
Health technologists and technicians	22	18	140	45	168	—	—	49	39	82	—	—	—	39	
Social scientists	83	19	35	61	136	24	15	21	346	244	—	—	—	41	
Social and recreation workers	—	—	—	17	—	—	60	—	21	—	—	—	—	19	
Teachers, except college and university	64	17	17	181	64	1 106	923	79	53	141	39	11	—	180	
Engineering and science technicians	1 750	277	640	2 439	4 948	2 820	723	1 203	828	9 141	1 092	135	73	147	
Technicians, exc. health, and engineering and science	79	22	37	20	15	12	21	92	62	50	21	—	81	856	
Writers, artists, and entertainers	792	286	427	1 678	312	251	4 654	375	43 715	913	258	47	154	551	
Other professional, technical, and kindred workers	1 556	195	609	5 108	1 590	659	1 045	785	2 899	2 034	566	181	250	1 195	
<b>Managers and administrators, except farm</b>															
Buyers, purchasing agents, and sales managers	1 394	787	617	5 948	5 364	1 899	6 664	1 580	12 532	4 042	1 253	1 192	4 221	14 863	
Other managers and administrators	539	195	812	539	468	300	408	402	2 270	999	275	60	49	246	
Salaries	855	592	470	5 136	4 896	1 599	6 056	1 178	10 262	3 063	978	1 133	4 172	14 617	
Self-employed	835	574	448	4 254	4 315	1 428	5 001	1 138	8 333	2 883	891	1 133	3 219	13 233	
	20	18	22	882	581	171	1 055	40	1 929	180	87	—	953	1 384	
	183	164	101	4 774	6 533	1 025	4 619	836	21 547	2 750	492	185	698	3 992	
<b>Sales workers</b>															
Clerical and kindred workers	63 019	18 022	24 297	126 520	92 888	52 835	63 884	45 783	191 910	103 752	36 284	32 412	82 048	101 770	
Billing clerks	156	153	79	2 056	1 612	1 758	1 283	1 410	2 352	1 778	773	705	3 644	7 008	
Bookkeepers	3 121	2 586	1 294	13 844	21 851	6 357	14 713	6 234	23 600	11 552	4 611	2 438	16 476	9 726	
Cashiers	253	44	121	560	1 404	179	292	131	809	481	75	264	1 664	2 038	
Counter clerks, except food	271	62	87	1 113	840	840	940	770	7 438	1 338	395	48	461	444	
File clerks	3 956	638	855	3 334	1 577	1 884	2 061	995	8 332	2 771	808	1 229	3 225	1 680	
Office machine operators	5 290	830	1 390	5 470	6 854	3 294	3 614	2 914	9 758	5 905	3 004	3 283	4 458	3 204	
Bookkeeping and billing machine operators	73	120	871	709	505	352	475	379	1 155	296	208	105	801	1 155	
Keypunch operators	3 673	577	871	3 583	3 702	2 445	2 291	1 770	4 730	4 122	2 116	2 115	2 882	2 389	

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>WHITE—Continued</b>															
<b>Female, employed—Continued</b>															
Clerical and kindred workers—Continued															
Payroll and timekeeping clerks	884	558	2 545	3 262	2 858	4 504	1 936	2 053	2 016	1 385	2 326	8 711	1 762	1 218	
Receptionists	398	440	1 864	1 700	1 041	1 149	1 096	3 834	1 566	1 763	936	7 059	1 175	1 877	
Secretaries	23 057	6 177	33 297	28 868	15 358	12 512	17 261	42 850	46 512	13 707	22 005	105 795	20 283	24 521	
Statistical clerks	1 867	220	1 902	1 099	1 147	952	639	2 787	1 857	629	1 094	20 334	941	1 944	
Stenographers	1 888	553	624	808	1 118	332	548	1 117	1 939	211	1 155	10 931	633	944	
Telephone operators	1 913	381	1 440	1 099	851	937	4 277	30 369	11 555	3 848	6 080	206 430	2 752	2 037	
Typists	8 414	2 791	10 310	6 147	4 293	4 173	4 277	30 369	11 555	3 848	6 080	53 662	9 353	8 331	
Other clerical and kindred workers	12 451	2 489	48 272	15 426	12 674	16 224	6 589	33 079	13 046	5 563	39 272	197 169	15 221	43 651	
<b>Craftsmen and kindred workers</b>															
Foremen, n.e.c.	6 986	5 266	20 823	10 876	9 596	33 589	4 228	43 043	4 758	4 618	18 879	20 425	1 525	2 280	
Mechanics and repairmen	6 713	419	5 332	5 009	6 203	23 071	1 666	4 503	2 838	1 802	3 487	5 639	7 115	418	
Printing craftsmen	2 440	254	1 482	433	1 154	771	548	1 65	477	393	428	2 865	393	1 060	
	202	58	707	283	506	493	1 072	37 624	515	647	250	2 492	66	136	
<b>Operatives, except transport</b>															
Assemblers	29 751	10 247	233 822	165 279	312 732	700 440	71 875	56 967	62 644	97 358	280 102	9 781	3 873	1 281	
Bottling and canning operatives	10 931	3 033	48 869	4 801	1 061	2 250	4 797	2 952	8 704	9 009	7 261	7 783	58	1 188	
Checkers, examiners, inspectors, manufacturing	4 415	546	19 487	10 344	3 23	38 505	8 662	6 772	8 116	14 374	19 070	—	—	—	
Graders and sorters, manufacturing	39	—	7 366	2 099	2 099	1 803	1 758	932	14 596	11 234	11 442	2 452	1 886	375	
Packers and wrappers, except produce	783	240	15 272	68 069	8 220	14 175	13 809	5 840	14 596	11 234	11 442	715	674	—	
Produce graders and packers, exc. factory and farm	—	—	71	488	78	19	35	19	412	175	98	—	—	—	
Mixing operatives	—	—	9 429	506	65 008	544 574	1 625	2 208	542	4 285	42 295	248	20	43	
Sewers and stitchers	483	1 231	86 491	14 738	204 703	42 625	5 346	6 951	8 632	10 039	161 016	2 633	332	395	
Other specified operatives	7 284	2 628	21 343	21 379	—	19 855	19 197	11 657	9 762	29 441	18 094	542	215	57	
Machine operatives, miscellaneous specified	2 091	781	21 343	6 897	—	3 332	9 526	12 449	5 058	9 326	4 650	512	22	—	
Machine operatives, not specified	1 034	260	11 876	16 404	—	17 796	4 848	5 645	3 659	5 959	10 005	1 527	643	179	
Miscellaneous operatives	1 643	1 039	6 775	4 212	—	15 506	2 233	1 503	2 230	3 082	4 292	369	23	44	
Not specified operatives	1 048	489	333	1 877	221	99	543	1 198	247	122	486	81 700	8 525	64 890	
Transport equipment operatives	47	115	133	1 150	54	23	16	991	—	—	37	1 428	749	443	
Deliverymen and roulemen	22	—	71	—	—	—	—	—	—	—	—	800	1 785	1 798	
<b>Laborers, except farm</b>															
Farm workers	513	881	1 560	8 197	9 403	8 083	3 189	2 918	2 810	3 014	6 481	6 181	1 785	1 798	
<b>Service workers, except private household</b>															
Cleaning service workers	1 423	712	5 563	7 008	1 794	1 958	896	2 220	2 415	1 270	4 164	48 805	810	35 347	
Cleaners and charwomen	420	522	1 383	2 260	1 036	798	475	966	1 005	693	1 251	5 555	535	727	
Food service workers	78	276	590	1 078	543	399	143	479	416	141	499	2 725	203	485	
Waiters and food counter workers	529	181	683	3 398	218	260	155	488	904	152	368	4 733	103	2 366	
Health service workers	215	117	223	1 001	89	81	75	97	442	34	63	1 693	65	922	
Personal service workers	108	117	86	1 162	114	80	32	43	58	35	104	1 193	117	139	
Protective service workers	167	—	536	506	235	698	73	191	278	67	454	33 407	117	31 947	
Private household workers	51	—	125	191	191	122	97	—	17	104	44	375	13	101	

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate	
<b>United States</b>															
<b>WHITE—Continued</b>															
<b>Male, employed</b>															
Professional, technical, and kindred workers															
Accountants	522 105	771 954	2 186 808	500 983	6 099 884	601 766	1 094 580	1 407 717	246 173	824 130	1 925 518	1 809 505	473 452	668 790	667 263
Architects	120 847	93 131	108 623	11 097	185 617	19 336	11 136	11 909	3 404	13 884	125 948	133 677	47 532	53 299	32 846
Computer specialists	5 141	10 570	21 043	4 217	21 288	3 642	3 064	4 996	1 004	1 587	6 995	45 163	21 155	13 672	10 336
Engineers	126	158	149	21	486	211	93	42	45	18	77	20 101	8 764	9 372	501
Aeronautical and astronautical	3 854	3 190	7 881	814	4 612	1 738	644	418	183	112	1 517	10 027	8 940	6 287	2 800
Chemical	41 705	40 502	35 255	1 012	8 402	1 388	799	1 246	130	207	4 632	19	—	19	—
Civil	25	23	172	—	195	—	—	86	—	—	109	153	—	—	76
Electrical and electronic	1 298	7 378	1 071	139	178	159	159	173	23	61	223	1 679	145	697	837
Industrial	36 085	20 873	3 187	75	1 069	202	104	20	20	23	720	3 941	111	44	316
Mechanical	1 274	1 919	2 780	223	449	227	103	103	17	85	384	5 690	315	4 980	395
Other engineers	576	3 918	3 275	264	1 126	139	127	212	17	17	401	401	54	102	245
Other engineers	2 447	5 651	23 651	311	3 930	420	182	652	90	21	2 565	1 614	315	368	931
Lawyers and judges	833	1 078	633	145	746	176	92	69	84	86	239	8 334	1 685	4 776	1 873
Librarians, archivists, and curators	523	48	39	—	481	—	—	20	—	—	461	129	23	64	42
Mathematical specialists	371	456	453	40	179	80	37	62	—	—	618	3 941	303	3 447	191
Life and physical scientists	492	2 386	2 953	400	1 166	166	138	162	—	82	618	2 886	144	297	40
Chemists	82	1 394	1 969	299	642	101	91	67	—	63	320	286	85	15	186
Operations and systems researchers and analysts	675	917	1 289	110	977	500	99	83	—	61	234	5 200	2 070	2 483	647
Personnel and labor relations workers	5 305	3 394	6 367	1 222	14 767	4 939	2 984	1 503	729	1 580	3 052	12 419	4 652	6 369	1 398
Physicians, dentists, and related practitioners	103	102	315	39	85 395	519	577	64	—	—	84 235	323	—	261	62
Dentists	—	—	—	—	368	—	—	—	—	—	368	—	—	—	—
Pharmacists	—	36	229	—	82 425	493	555	—	44	—	81 333	—	—	—	—
Physicians, medical and osteopathic	88	66	29	—	1 069	22	22	—	—	—	1 047	—	—	261	43
Other related practitioners	15	—	57	39	1 533	26	—	—	20	—	1 487	304	—	—	19
Registered nurses, dietitians, and therapists	48	—	64	20	374	62	—	—	—	126	186	44	—	—	44
Health technologists and technicians	—	372	230	—	376	—	—	—	37	—	339	114	—	90	24
Religious workers	—	—	125	21	125	—	19	—	—	—	106	56	20	18	18
Social scientists	1 426	766	3 386	266	1 487	302	185	411	50	89	450	6 614	3 001	1 479	2 134
Social and recreation workers	35	84	19	19	58	16	—	—	—	22	20	416	173	41	202
Teachers, college and university	527	295	884	62	3 983	252	201	324	—	90	3 116	256	42	175	39
Teachers, except college and university	17 994	19 553	10 717	923	5 321	976	341	570	166	164	3 104	2 840	375	563	2 002
Engineering and science technicians	1 774	7 640	4 243	77	3 055	478	179	309	143	125	1 821	1 557	198	290	1 069
Professors	14 700	4 000	2 872	40	1 153	374	22	122	23	19	634	330	121	62	147
Electrical and electronic engineering technicians	43	124	326	62	1 120	22	22	—	—	19	57	99	20	20	59
Industrial and mechanical engineering technicians	1 477	7 789	3 256	744	993	102	140	139	—	20	592	954	36	191	727
Other engineering and science technicians	5 977	2 581	2 228	158	1 407	304	17	493	—	61	532	1 057	60	525	472
Technicians, exc. health, and eng. and science	140	243	408	102	419	64	—	214	—	18	123	352	—	61	291
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	4 105	993	102	—	276	16	—	73	—	43	144	56	—	—	56
Radio operators and air traffic controllers	1 732	1 345	1 718	56	712	224	17	206	—	—	265	319	60	134	125
Other technicians, exc. health, and eng. and science	35 237	4 988	7 944	1 020	22 752	3 598	754	760	869	9 553	7 218	7 434	2 527	2 868	2 039
Writers, artists, and entertainers	475	1 691	6 735	588	11 215	467	1 092	750	43	46	8 817	7 841	1 534	547	5 760
Other professional, technical, and kindred workers	63 482	47 333	434 174	91 754	1 391 391	162 543	247 488	311 487	73 441	195 384	401 048	476 356	249 561	99 988	126 707
Managers and administrators, except farm	5 687	5 573	129 537	37 612	238 738	67 143	48 230	29 652	20 287	4 451	68 975	27 715	3 113	17 778	6 824
Buyers, purchasing agents, and sales managers	57 795	41 760	304 637	54 142	1 152 653	95 400	199 258	281 835	53 154	190 933	332 073	448 541	246 448	82 210	119 883
Other managers and administrators	57 092	40 448	251 125	42 588	726 742	79 622	120 242	164 053	39 035	111 399	212 391	245 529	76 829	76 829	93 233
Salaries	703	1 312	53 512	11 554	425 911	15 778	79 016	117 782	14 119	79 534	119 682	32 950	919	5 381	26 650
Self-employed	14 883	12 233	594 609	98 779	1 241 252	180 870	115 236	263 056	120 391	15 665	546 034	679 666	8 217	382 891	288 558
Sales workers	9 080	773	21 524	1 079	89 160	3 623	934	526	136	59	60 891	676 282	5 621	382 891	287 770
Other specified sales workers	5 803	11 460	572 908	97 700	1 147 421	150 633	114 302	262 530	120 255	15 606	484 095	3 384	2 596	—	—
Salesmen and sales clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

Occupation	Transport, comm., and other public utilities—Cont.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>United States</b>														
<b>WHITE—Continued</b>														
<b>Male, employed—Continued</b>														
Clerical and kindred workers														
Bookkeepers	35 656	89 939	199 854	34 172	60 085	124 867	34 099	11 462	19 849	109 940	323 416	134 657	114 407	74 352
Cashiers	1 614	8 023	26 396	6 960	3 686	5 107	11 586	2 418	4 015	17 925	27 865	14 531	4 319	9 015
Estimators and investigators, n.e.c.	1 132	684	1 800	983	5 019	63 516	1 126	626	9 980	17 925	2 229	337	452	1 440
Office machine operators	2 577	7 477	5 461	290	2 566	811	2 116	219	473	3 124	22 838	12 777	4 569	5 492
Secretaries, stenographers, and typists	1 333	2 788	6 681	1 457	2 327	970	651	226	375	3 174	23 910	12 877	8 352	2 681
Shipping and receiving clerks	1 942	1 635	6 321	1 034	2 855	512	1 262	486	363	3 853	14 391	4 877	5 088	4 426
Stock clerks and storekeepers	336	1 639	51 650	8 306	14 430	6 146	1 935	1 997	536	11 900	1 366	2 246	385	735
Other clerical and kindred workers	2 577	5 971	27 821	3 522	17 896	32 020	4 432	3 549	1 286	15 710	3 975	1 072	1 422	1 481
	25 145	62 802	73 524	11 620	13 286	15 785	10 991	1 941	2 821	48 568	226 842	87 940	89 820	49 082
Craftsmen and kindred workers														
Construction craftsmen	272 353	343 189	262 274	44 067	69 474	60 076	357 799	19 721	9 156	331 121	53 705	8 129	9 599	35 977
Brickmasons and stonemasons	4 627	53 790	19 253	2 203	5 164	2 203	4 732	4 479	1 492	44 030	20 295	1 206	1 422	17 667
Carpenters	516	2 676	4 966	1 122	1 919	1 242	2 105	335	792	15 033	7 771	477	452	26 254
Electricians	1 537	26 111	4 105	488	2 064	417	355	123	84	3 923	2 336	317	580	1 439
Excavating, grading and road machine operators	251	9 250	1 810	323	40	82	225	—	—	2 031	1 241	321	281	5 861
Painters (const. & maint.), plasterers, & paperhangers	166	1 479	2 563	445	641	348	1 484	21	421	3 981	6 463	50	46	1 520
Plumbers and pipefitters	2 140	13 022	4 000	273	336	49	368	—	66	9 545	1 616	20	37	510
Other construction craftsmen	17	9 952	1 457	25	386	46	88	—	60	8 642	567	2 584	2 473	4 003
Foremen, n.e.c.	19 877	56 294	74 087	22 139	14 249	14 506	13 408	2 344	1 625	24 603	9 060	2 584	2 473	4 003
Mechanics and repairmen	8 206	71 894	103 282	9 352	33 541	6 633	329 534	1 148	2 482	124 218	7 244	1 449	844	4 951
Automobile, including body	1 519	7 933	22 631	3 184	6 860	3 109	316 408	520	294	7 483	317	60	43	214
Metal craftsmen, except mechanics	425	6 584	13 783	1 128	609	334	2 429	114	60	6 238	828	196	39	593
Machinists, job setters, and toolmakers	292	3 271	8 749	615	364	225	2 224	58	21	2 203	494	123	19	352
Blacksmiths, forgemen, hammerers, boilermakers	76	2 620	724	67	91	35	84	38	21	342	180	54	20	106
Other metal craftsmen	57	693	4 310	446	154	74	121	18	18	3 713	154	109	—	154
Printing craftsmen	448	713	2 378	370	744	350	70	104	18	1 083	2 943	1 109	1 506	328
Stationary engineers and power station operators	1 138	54 973	4 201	851	744	476	521	—	62	1 905	5 284	980	464	3 840
Other craftsmen and kindred workers	237 632	98 941	45 090	8 024	14 537	35 574	7 083	15 532	3 417	130 024	8 051	605	2 851	4 595
Operatives, except transport														
Assemblers	3 091	42 262	134 492	47 640	8 847	175 058	368 036	4 428	5 527	69 315	5 986	1 166	1 249	3 571
Checkers, examiners, and inspectors, manufacturing	150	412	4 951	474	176	113	806	13	86	2 641	2 029	88	—	109
Filers, polishers, sanders, and buffers	22	—	1 172	39	108	35	3 250	—	20	1 556	20	—	20	—
Painters, manufactured articles	109	144	3 005	187	84	18	6 332	21	171	433	80	—	45	80
Precision machine operatives	—	249	—	—	144	—	266	—	—	893	111	—	22	66
Drill press operatives	—	21	146	26	—	—	40	—	—	106	42	—	—	20
Grinding machine operatives	—	21	547	293	—	—	58	—	44	168	46	—	—	23
Lathe and milling machine operatives	81	148	1 729	124	23	—	108	21	67	409	33	—	23	23
Precision machine operatives, n.e.c.	28	59	425	37	61	—	60	—	—	210	23	—	—	23
Punch and stamping press operatives	39	126	755	—	—	—	20	85	—	173	23	—	—	23
Solders	37	—	56	—	—	25	47	—	18	76	87	—	65	22
Stationary firemen	106	8 150	1 044	275	115	87	59	20	21	558	987	59	114	814
Welders and flame-cutters	104	8 418	11 351	310	175	82	974	110	19	3 344	253	208	236	744
Other specified operatives	565	5 016	67 191	32 756	6 626	164 290	347 009	3 575	3 722	45 379	1 588	288	236	1 064
Machine operatives, miscellaneous specified	504	3 516	16 394	5 771	525	2 491	3 838	236	1 050	5 540	840	226	317	297
Machine operatives, not specified	145	3 633	8 243	2 332	241	888	413	90	69	4 274	573	157	258	158
Miscellaneous operatives	1 086	11 075	14 756	4 142	496	5 171	3 394	162	284	3 968	829	238	114	457
Not specified operatives	224	1 523	5 013	1 334	157	1 858	1 628	116	127	3 330	386	70	68	248
Transport equipment operatives														
Deliverymen and roulemen	2 763	37 933	277 961	115 057	27 808	48 085	28 138	1 534	12 640	160 928	6 514	2 082	727	3 705
Fork lift and low motor operatives	1 166	1 743	139 698	69 707	20 935	30 178	11 178	923	9 079	85 203	1 332	347	241	744
Truck drivers	860	3 328	13 654	6 365	1 430	8 058	3 280	—	145	2 919	1 339	288	21	118
Other transport equipment operatives	656	34 094	112 268	38 153	4 829	13 754	13 581	545	2 285	58 210	1 928	288	251	1 454
		1 768	12 341	832	614	873	3 095	66	1 131	14 596	3 115	1 447	214	—



Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>															
<b>WHITE—Continued</b>															
<b>Male, employed—Continued</b>															
<b>Laborers, except farm</b>															
Construction laborers	3 772	86 145	148 940	49 130	476 246	43 867	291 609	24 617	7 155	4 931	104 067	34 911	1 177	666	33 068
Freight, stock, and material handlers	1 544	40 992	101 356	35 815	385 133	41 671	282 794	4 426	6 741	2 074	47 472	1 553	500	247	1 980
Vehicle washers and equipment cleaners	479	612	1 799	857	15 314	611	3 591	14 184	19	94	409	44	24	20	23 130
Other specified laborers	225	3 219	14 482	2 999	36 611	611	3 591	9 940	64	457	30 948	23 620	318	172	23 130
Miscellaneous laborers	339	15 877	9 351	1 789	5 720	51	681	364	17	101	4 506	3 825	19	36	3 770
Not specified laborers	559	10 634	20 266	7 528	27 668	1 286	3 793	4 135	314	2 125	16 015	4 342	316	130	3 896
<b>Farm workers</b>															
<b>Service workers, including private household</b>															
Cleaning service workers	5 258	19 789	25 881	9 287	687 385	28 936	21 025	8 576	4 637	547 094	77 117	95 374	20 931	5 964	68 479
Food service workers	4 094	15 379	14 639	5 441	74 795	13 765	10 105	6 995	3 704	24 632	15 594	58 306	10 659	4 009	43 638
Health service workers	172	132	1 744	1 425	535 844	6 402	8 181	304	93	515 164	5 700	1 591	429	464	698
Personal service workers	46	62	123	52	364	70	42	213	368	6 263	1 049	11 145	41	56	19
Personal service workers	184	307	1 242	579	9 964	1 813	258	507	433	6 829	2 309	15 866	8 904	1 106	10 374
Guards and watchmen	602	2 924	4 142	1 394	11 848	6 120	1 650	507	39	109	52 310	8 250	435	21	7 794
Other service workers, including private household	160	985	3 771	396	54 570	766	789	557							
<b>Female, employed</b>															
<b>Professional, technical, and kindred workers</b>															
Accountants	24 584	8 111	18 628	2 804	72 251	24 386	3 672	3 657	4 037	7 179	29 320	52 306	19 978	21 886	10 442
Computer specialists	3 275	1 932	6 727	2 249	15 468	5 690	1 404	2 569	1 275	910	3 620	21 538	9 451	8 663	3 424
Engineers	1 804	720	1 957	132	1 400	583	210	125	52	20	451	7 118	2 849	3 810	451
Librarians, archivists, and curators	1 854	408	411		289	79	39	21	21	24	105	339	82	180	77
Life and physical scientists	277	40	138		170	53	17				171	574	200	230	144
Physicians, dentists, and related practitioners	21	107	359	123	259	53	99			18	171	105	19	39	47
Registered nurses, dietitians, and therapists	59	24	8 714	111	99	111	99				8 504	92	92	92	
Health technologists and technicians	381	352	402	37	2 281	866	294	236	23	571	323	1 563	353	904	306
Social scientists	20	23	28		426	40	48			15	312	312	312	193	150
Social and recreation workers	98	74	37		527	86	15		103	17	306	1 006	720	136	150
Teachers, except college and university	433	92	243		41	22	79	19	108	64	3 118	242	59	20	163
Engineering and science technicians	3 779	1 365	1 348	487	808	1 174	73	60	60	21	110	247	23	407	67
Technicians, exc. health, and engineering and science	341	202	230	63	236	40	40	65			501	710	24	253	164
Writers, artists, and entertainers	6 081	411	2 978	123	19 872	6 580	385	187	1 585	4 547	6 588	4 160	1 736	1 374	1 050
Other professional, technical, and kindred workers	5 931	1 868	3 381	518	16 229	7 866	1 009	375	870	953	5 156	13 859	4 341	5 518	4 000
<b>Managers and administrators, except farm</b>															
Buyers, purchasing agents, and sales managers	12 171	2 026	33 084	5 482	370 833	88 514	51 833	14 543	48 060	73 867	94 016	121 417	52 758	19 537	49 082
Other managers and administrators	313	156	6 914	1 036	94 913	50 081	5 955	634	17 998	1 157	19 088	41 537	45	451	749
Salaried	11 858	1 870	26 170	4 426	275 920	38 433	45 878	13 909	30 062	72 710	74 928	119 860	52 307	19 240	48 333
Self-employed	11 770	1 810	21 514	3 669	150 148	30 511	16 772	9 176	20 577	33 759	39 353	110 077	52 130	18 582	39 365
Other	88	60	4 656	757	125 772	7 922	29 106	4 733	9 485	38 951	35 575	9 803	177	658	8 968
<b>Sales workers</b>															
<b>Clerical and kindred workers</b>															
Billing clerks	403 033	97 990	461 046	72 665	1 479 796	378 772	339 952	133 580	80 097	96 788	451 307	1 404 552	657 892	496 960	249 700
Bookkeepers	3 159	3 529	11 842	1 516	12 891	6 205	738	1 613	711	138	3 486	3 536	1 096	2 188	252
Cashiers	17 371	14 780	112 142	24 045	323 450	52 574	32 362	65 141	23 314	17 193	132 866	179 083	109 172	39 203	30 708
Counter clerks, except food	4 132	5 622	4 992	2 096	508 337	97 935	258 948	6 836	21 468	62 935	60 215	17 926	9 806	4 631	3 489
File clerks	6 180	402	8 611	1 371	20 637	13 692	1 511	342	900	1	2 891	1 519	465	307	747
Office machine operators	7 953	3 017	12 489	1 120	24 331	12 119	1 009	2 815	1 568	273	6 547	59 386	18 213	36 985	4 188
Office machine operators	9 790	5 695	25 815	5 919	31 099	13 295	5 886	2 503	2 337	965	6 113	74 434	47 664	22 736	4 034
Bookkeeping and billing machine operators	5 599	759	4 336	4 336	5 397	2 004	397	868	616	89	1 617	24 026	22 233	1 242	551
Keypunch operators	5 589	3 658	14 322	3 304	12 386	5 336	1 916	1 143	852	300	2 839	35 449	16 172	16 431	2 846

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Transportation, comm., and other public utilities—Con.		Wholesale trade		Retail trade						Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total		Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>															
<b>WHITE—Continued</b>															
<b>Female, employed—Continued</b>															
<b>Clerical and kindred workers—Continued</b>															
Payroll and timekeeping clerks	3 180	1 544	3 141	1 060	1 463	661	625	702	1 739	5 007	1 970	2 224	813		
Receptionists	2 359	1 257	9 212	1 034	2 883	2 230	592	647	7 278	19 761	7 546	5 308	6 907		
Secretaries	29 489	24 306	135 038	18 289	27 627	26 493	7 253	7 001	70 636	366 261	114 569	161 772	89 920		
Statistical clerks	14 454	3 175	4 925	1 001	5 665	689	421	89	2 103	32 865	5 201	25 154	2 510		
Stenographers	2 405	3 441	3 896	452	5 22	422	151	85	975	11 853	4 125	6 094	1 634		
Telephone operators	198 545	1 883	7 291	1 099	10 483	3 069	1 056	548	2 858	14 470	6 208	4 410	3 852		
Typists	22 276	10 158	35 392	3 534	18 183	6 565	2 342	906	17 665	145 872	45 273	81 380	19 219		
Other clerical and kindred workers	81 740	20 181	86 260	10 129	112 474	14 201	17 128	4 005	135 935	472 579	286 584	104 568	81 427		
<b>Craftsmen and kindred workers</b>															
Foremen, n.e.c.	10 357	4 164	13 948	3 082	16 317	4 291	7 510	3 828	43 414	5 892	2 722	2 254	7 516		
Mechanics and repairmen	3 137	1 075	4 767	1 412	8 179	2 900	1 588	756	2 806	3 363	1 459	1 393	511		
Printing craftsmen	278	687	1 620	133	97	3 434	—	79	1 451	237	62	80	95		
	211	79	681	65	552	43	39	24	392	833	366	444	23		
<b>Operatives, except transport</b>															
Assemblers	1 697	1 335	78 210	39 088	26 771	11 334	31 220	3 571	32 907	4 049	1 693	1 064	1 302		
Bottling and canning operatives	364	173	5 291	237	155	192	88	38	1 421	234	75	39	120		
Checkers, examiners, inspectors, manufacturing	—	—	334	184	17	—	—	—	—	19	—	—	19		
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—		
Packers and wrappers, except produce	59	51	23 058	13 845	9 566	364	1 109	1 288	3 092	158	36	19	103		
Produce graders and packers, exc. factory and farm	—	—	15 832	15 314	22	—	—	23	153	18	—	—	—		
Mixing operatives	—	—	71	21	607	—	—	—	32	22	—	—	22		
Sewers and stitchers	52	45	1 442	103	124	17	3 309	83	1 369	1 046	302	173	571		
Other specified operatives	534	428	16 446	2 619	7 539	10 320	25 162	743	21 889	1 031	409	490	132		
Machine operatives, miscellaneous specified	130	123	5 703	2 313	1 772	196	360	859	1 240	940	643	213	84		
Machine operatives, not specified	194	140	2 577	856	382	79	252	22	684	374	193	72	109		
Machine operatives, not specified	311	271	5 666	2 824	1 116	71	593	387	1 904	207	25	40	142		
Miscellaneous operatives	53	104	1 790	772	3 398	95	347	128	1 044	428	140	68	220		
Not specified operatives	—	—	—	—	—	—	—	—	—	155	—	—	—		
<b>Transport equipment operatives</b>															
Deliverymen and roulemen	225	310	4 577	1 663	2 593	848	72	1 372	3 606	428	—	—	—		
	204	13	2 564	1 038	2 484	303	38	861	2 397	155	—	—	—		
<b>Laborers, except farm</b>															
Farm workers	369	1 146	16 016	2 837	9 807	991	2 325	1 346	12 777	2 172	501	148	1 523		
<b>Service workers, except private household</b>															
Cleaning service workers	4 430	2 251	8 238	2 876	52 607	2 368	3 267	1 032	729	41 769	11 424	4 643	25 702		
Cleaners and chorwomen	2 178	1 362	2 550	648	2 788	1 270	502	10 264	5 026	27 511	8 427	2 914	16 170		
Food service workers	1 010	461	1 222	337	3 272	1 547	581	3 628	2 519	14 648	4 273	1 700	8 675		
Waiters and food counter workers	1 427	288	2 749	1 936	38 323	506	321	1 014	24 785	4 255	551	1 078	1 626		
Health service workers	21	42	840	531	28 035	279	734	734	20 594	2 247	644	601	1 002		
Personal service workers	896	23	20	94	49	111	13	7	386	674	99	186	389		
Protective service workers	63	45	1 112	20	7 509	196	1 693	7	3 590	4 156	1 041	465	2 650		
<b>Private household workers</b>															
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Professional and related services										Public administration			
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Health services, except hospitals			Educational and kindred services		Welfare, religious, nonprofit membership organizations	Other professional and related services	
							Total	Hospitals	Health services, except hospitals					
<b>Male, employed</b>	<b>714 440</b>	<b>440 393</b>	<b>399 916</b>	<b>234 482</b>	<b>586 820</b>	<b>364 247</b>	<b>4 467 903</b>	<b>489 595</b>	<b>434 281</b>	<b>1 538 437</b>	<b>561 093</b>	<b>512 748</b>	<b>931 749</b>	<b>2 576 651</b>
<b>Professional, technical, and kindred workers</b>	<b>206 101</b>	<b>5 406</b>	<b>16 373</b>	<b>12 780</b>	<b>36 357</b>	<b>92 077</b>	<b>2 830 986</b>	<b>175 682</b>	<b>321 232</b>	<b>977 794</b>	<b>320 363</b>	<b>298 567</b>	<b>737 348</b>	<b>515 778</b>
Accountants	16 795	1 232	644	5 232	680	1 790	150 709	4 745	1 397	5 293	2 702	3 746	132 826	61 571
Architects	286	23	40	23	—	38	37 003	43	83	818	244	160	35 635	3 170
Computer specialists	26 299	211	406	48	313	132	23 569	1 562	573	6 924	3 274	815	10 421	21 468
Engineers	35 547	276	2 808	448	479	1 118	116 258	2 684	3 121	5 839	3 951	2 968	97 695	100 638
Aeronautical and astronautical	804	18	—	—	—	—	1 438	—	23	43	78	19	1 265	5 348
Chemical	1 230	38	—	—	42	15	2 932	51	107	151	115	21	2 507	1 380
Civil	1 308	66	—	37	42	45	33 261	359	1 209	967	417	556	29 753	26 329
Electrical and electronic	8 827	142	—	152	42	45	33 261	359	1 209	967	417	556	29 753	26 329
Industrial	8 899	65	—	152	42	45	33 261	359	1 209	967	417	556	29 753	26 329
Mechanical	3 564	20	—	55	79	62	6 486	430	44	1 913	1 433	184	15 425	20 515
Other engineers	10 895	59	—	127	168	221	15 223	380	244	851	593	622	4 442	17 202
Lawyers and judges	575	106	—	90	—	276	194 276	109	981	502	365	1 818	190 501	40 103
Librarians, archivists, and curators	228	—	26	—	86	117	21 497	43	62	12 060	7 923	329	1 080	1 231
Mathematical specialists	1 231	—	27	19	92	19	3 982	134	235	795	298	364	2 156	5 548
Life and physical scientists	8 834	26	149	21	146	200	33 449	2 808	3 268	8 765	3 871	323	14 414	25 954
Chemists	4 872	26	109	21	23	41	10 867	1 314	910	2 699	1 210	58	4 676	5 776
Operations and systems researchers and analysts	2 312	55	109	—	—	41	2 906	233	109	723	238	306	1 297	9 993
Personnel and labor relations workers	18 455	497	589	679	808	695	15 266	3 343	1 400	4 714	1 869	2 003	1 937	33 436
Physicians, dentists, and related practitioners	210	—	39	—	96	547	361 129	75 334	276 399	3 343	3 656	1 101	1 296	4 787
Dentists	21	—	19	—	21	104	85 047	1 754	82 401	1 999	259	44	390	4 787
Pharmacists	—	—	—	—	—	361	232 967	8 839	161 427	2 661	3 049	82	18	460
Physicians, medical and osteopathic	126	—	20	—	75	82	33 322	515	32 027	319	202	906	698	2 528
Other related practitioners	63	—	—	—	—	—	—	—	—	—	—	69	190	1 300
Registered nurses, dietitians, and therapists	162	—	—	41	453	41	39 838	27 202	7 641	3 498	458	917	122	2 762
Health technologists and technicians	423	—	—	12	68	61	61 814	39 191	13 219	3 971	2 522	1 691	1 220	1 613
Religious workers	60	—	20	98	313	24	214 889	2 407	1 102	154	2 755	207 744	727	697
Social scientists	9 730	61	185	37 30	162	118	20 161	4 668	2 284	5 477	1 872	1 422	4 438	15 933
Social and recreation workers	440	—	18	1 952	140	6 292	62 839	4 172	2 670	5 759	1 700	47 798	740	20 814
Teachers, college and university	—	—	—	—	—	—	335 586	—	—	222 872	112 764	1 854	430	6 169
Teachers, except college and university	583	2 181	110	154	441	2 324	728 913	810	780	594 078	130 961	1 854	430	6 169
Engineering and science technicians	31 164	179	1 978	187	771	1 774	107 543	1 745	1 205	14 563	8 361	1 642	80 027	58 288
Professors	10 257	82	509	84	543	94	53 148	157	69	1 754	795	676	49 697	13 353
Electrical and electronic engineering technicians	6 160	78	1 199	38	11	226	9 080	464	203	3 085	1 685	82	3 561	20 618
Industrial and mechanical engineering technicians	692	—	26	—	20	78	772	48	27	138	18	—	541	1 329
Other engineering and science technicians	14 055	19	244	65	197	376	44 543	1 076	906	9 586	5 863	884	26 228	22 988
Technicians, exc. health, and eng. and science	1 819	129	916	23	3 865	452	7 174	61	526	2 178	2 055	259	2 095	43 694
Airplane pilots	1 555	22	—	—	73	14	1 370	—	62	80	1 120	—	2 108	2 008
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	205	21	35	—	3 729	—	214	17	162	35	14	—	42	33 180
Other technicians, exc. health, and eng. and science	1 439	86	829	23	63	438	5 049	44	302	1 712	921	125	1 945	8 477
Writers, artists, and entertainers	41 752	275	648	3 480	24 530	66 736	91 024	1 634	1 317	10 949	9 061	18 119	49 944	19 242
Other professional, technical, and kindred workers	9 196	178	7 678	219	2 914	9 343	201 161	2 754	2 860	64 569	19 463	3 188	108 327	38 717
<b>Managers and administrators, except farm</b>	<b>107 830</b>	<b>46 404</b>	<b>27 428</b>	<b>57 240</b>	<b>89 062</b>	<b>59 779</b>	<b>366 644</b>	<b>36 059</b>	<b>21 278</b>	<b>149 088</b>	<b>51 335</b>	<b>68 541</b>	<b>40 343</b>	<b>347 083</b>
Buyers, purchasing agents, and sales managers	9 258	1 568	1 209	1 502	1 961	1 406	11 994	3 276	494	2 501	1 942	1 330	2 331	15 864
Other managers and administrators	98 572	44 836	26 219	55 738	87 101	58 373	354 750	32 783	20 784	146 587	49 373	67 211	36 032	331 219
Salaried	80 283	26 888	16 042	33 742	53 212	44 330	344 784	32 378	18 299	146 587	46 544	66 880	34 096	331 219
Self-employed	18 289	17 948	10 177	21 996	33 850	14 043	9 866	405	2 485	—	—	331	3 916	—
<b>Sales workers</b>	<b>51 673</b>	<b>6 627</b>	<b>7 755</b>	<b>1 612</b>	<b>9 970</b>	<b>7 548</b>	<b>21 301</b>	<b>683</b>	<b>982</b>	<b>1 600</b>	<b>5 549</b>	<b>5 758</b>	<b>6 729</b>	<b>4 810</b>
Newsboys	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified sales workers	26 309	78	2 898	22	703	973	3 230	352	220	693	244	334	1 387	1 902
Salesmen and sales clerks, n.e.c.	25 364	6 549	4 857	1 590	9 267	6 575	18 071	331	762	907	5 305	5 424	5 342	2 908





Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970 - Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit membership organizations		Other professional and related services	
							Hospitals	Health services, except hospitals	Government				Private
Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration						
<b>United States</b>													
<b>WHITE - Continued</b>													
<b>Female, employed - Continued</b>													
<b>Clerical and kindred workers - Continued</b>													
Payroll and timekeeping clerks	2 303	325	211	634	770	457	3 965	551	3 585	967	1 009	1 501	8 096
Receptionists	9 151	626	795	3 299	14 841	1 846	39 220	68 343	11 062	11 221	9 283	8 628	9 222
Secretaries	93 586	8 131	9 354	10 015	14 246	17 767	99 109	104 074	213 552	98 094	130 298	207 705	179 908
Statistical clerks	4 215	353	328	426	818	398	8 535	1 893	5 027	2 116	2 374	1 705	20 486
Stenographers	4 886	55	160	254	196	245	3 349	2 440	6 096	868	5 286	4 992	30 971
Telephone operators	15 854	176	537	8 225	886	972	20 839	1 780	5 864	6 090	2 798	2 029	9 158
Typists	43 316	1 393	2 161	1 978	4 167	1 841	33 084	15 885	55 976	21 071	30 164	20 567	128 117
Other clerical and kindred workers	62 823	4 215	31 440	5 261	3 231	9 648	86 998	22 232	182 549	51 343	27 839	119 999	283 009
<b>Craftsmen and kindred workers</b>													
Foremen, n.e.c.	7 650	3 923	8 994	1 146	10 257	1 345	3 848	7 237	10 071	3 495	1 885	3 042	7 702
Mechanics and repairmen	2 056	135	103	449	2 229	307	1 743	989	1 014	830	640	114	1 542
Printing craftsmen	605	3 417	2 639	41	265	176	1 55	147	1 142	163	56	114	3 726
	991	27	60	21	125	18	279	59	1 142	488	362	128	359
<b>Operatives, except transport</b>													
Assemblers	20 846	1 806	7 261	5 223	153 506	2 671	28 313	11 054	6 832	4 545	5 363	7 954	7 069
Bottling and canning operatives	1 773	100	283	—	442	41	18	16	77	34	259	883	864
Checkers, examiners, inspectors, manufacturing	41	—	—	—	—	—	—	—	—	—	—	—	—
Graders and sorters, manufacturing	3 715	19	116	—	2 152	120	182	304	210	244	158	381	1 127
Packers and wrappers, except produce	18	—	—	—	24	—	—	—	—	—	—	24	24
Produce graders and packers, exc. factory and farm	157	—	—	—	74	—	—	—	—	—	—	24	—
Mixing operatives	9 803	58	925	308	9 924	46	3 718	335	387	361	727	4 746	181
Sewers and stitchers	1 671	1 255	4 799	4 591	136 871	2 084	22 490	9 393	2 560	1 837	2 451	542	2 885
Other specified operatives	1 662	20	200	175	1 337	112	635	258	413	444	327	192	748
Machine operatives, miscellaneous specified	1 456	294	114	68	344	59	93	45	154	87	149	594	485
Miscellaneous operatives	550	—	374	81	928	127	920	361	2 896	1 280	1 110	549	650
Not specified operatives	—	—	—	—	1 484	82	216	186	135	85	182	549	105
<b>Transport equipment operatives</b>													
Deliverymen and routemen	1 084	855	334	92	2 143	264	492	655	3 192	1 430	656	423	982
Laborees, except farm	1 828	1 178	79	21	1 375	101	248	455	55	21	110	28	106
<b>Farm workers</b>													
Service workers, except private household <sup>1</sup>	33 528	430	7 950	187 999	466 564	65 781	597 770	418 844	304 771	139 466	84 612	115 620	67 075
Cleaning service workers	24 880	209	1 092	80 765	9 335	4 655	54 590	26 095	37 545	22 477	25 087	2 627	9 634
Cleaners and chorwomen	12 382	166	213	12 124	4 152	2 330	40 611	18 971	5 989	5 070	9 143	1 044	3 606
Food service workers	183	37	217	60 348	813	35 148	73 007	48 682	207 289	73 418	23 811	728	5 625
Waiters and food counter workers	418	33	177	42 164	637	26 694	9 157	5 543	33 572	18 291	8 949	279	1 543
Health service workers	1 724	35	35	1 340	333	19 026	452 550	331 019	5 567	2 132	4 805	1 509	3 297
Personal service workers	3 862	73	1 318	45 277	394 700	19 026	14 778	11 344	52 271	40 926	29 967	1 671	5 450
Protective service workers	1 630	—	—	127	22	121	622	—	2 066	391	279	82	37 798
<b>Private household workers</b>													

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

United States	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
				Total	Special contractors	Lumber and wood products, except furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical			
<b>NEGRO</b>	4 069 397	219 862	20 588	386 912	114 671	89 386	30 319	43 872	117 524	24 163	66 032	67 024	60 363	124 701
Male, employed	237 733	1 838	485	3 077	422	290	173	316	1 471	401	1 262	3 200	5 259	1 444
Professional, technical, and kindred workers	8 955	—	62	90	17	—	19	—	113	52	158	194	240	147
Accountants	1 120	252	—	—	—	—	—	—	—	—	—	—	—	21
Architects	6 314	—	72	—	—	—	—	—	16	—	20	599	264	42
Computer specialists	13 624	50	122	1 076	188	—	81	73	237	106	257	514	1 445	296
Engineers	748	—	—	—	—	—	—	—	—	—	—	44	—	—
Aeronautical and astronautical	—	—	—	—	—	—	—	—	—	—	—	14	—	—
Chemical	367	—	—	—	—	—	—	—	17	—	30	—	42	20
Civil	2 266	—	—	827	66	—	—	—	67	—	—	—	—	32
Electrical and electronic	3 843	—	—	102	78	—	—	—	26	37	102	95	1 001	56
Industrial	1 804	—	—	22	—	—	—	37	68	23	131	171	37	77
Mechanical	1 829	37	22	64	23	—	41	—	37	23	44	129	66	111
Other engineers	2 767	13	100	61	21	—	40	36	22	23	81	101	165	—
Lawyers and judges	3 309	—	—	—	—	—	—	—	—	—	—	—	—	—
Librarians, archivists, and curators	1 536	—	—	—	—	—	—	—	—	—	—	—	—	15
Mathematical specialists	737	—	—	—	—	—	—	—	—	—	—	—	—	21
Life and physical scientists	5 039	94	61	19	—	—	—	18	131	—	25	28	56	17
Chemists	3 306	—	35	19	—	—	—	18	131	—	25	156	37	16
Operations and systems researchers and analysts	915	—	—	—	—	—	—	—	—	—	—	—	—	—
Personnel and labor relations workers	8 012	—	14	67	—	—	—	—	65	24	87	42	47	258
Physicians, dentists, and related practitioners	10 042	86	—	—	—	—	—	—	—	—	—	—	—	—
Dentists	2 218	—	—	—	—	—	—	—	—	—	—	—	—	—
Pharmacists	2 084	—	—	—	—	—	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	5 216	—	—	—	—	—	—	—	—	—	—	—	—	—
Other related practitioners	524	86	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	6 983	23	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	8 285	15	—	—	—	—	—	—	—	—	—	—	—	—
Religious workers	13 020	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	2 145	—	—	19	—	—	—	15	—	—	—	—	—	—
Social and recreation workers	15 231	17	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	8 749	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	49 908	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineering and science technicians	22 223	—	143	1 146	83	28	23	148	702	175	528	1 082	2 366	445
Draftsmen	6 930	66	—	400	83	—	23	—	156	19	280	472	605	214
Electrical and electronic engineering technicians	4 542	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	888	—	—	17	—	—	—	—	205	—	20	303	1 282	20
Other engineering and science technicians	9 863	101	143	729	—	28	—	148	318	156	228	227	325	211
Technicians, exc. health, and eng. and science	3 238	22	22	19	—	—	—	—	—	22	—	27	41	39
Airplane pilots	77	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	298	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	1 308	—	—	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	17 485	547	22	153	38	37	50	26	66	22	85	113	291	39
Writers, artists, and entertainers	30 863	565	22	488	96	207	128	17	141	22	58	146	60	104
Other professional, technical, and kindred workers	119 562	568	124	9 585	3 049	849	182	135	282	—	198	521	649	210
Managers and administrators, except farm	8 022	21	—	61	43	—	54	20	36	—	27	22	130	—
Buyers, purchasing agents, and sales managers	111 540	547	124	9 524	3 006	849	128	115	246	—	171	499	519	210
Other managers and administrators	85 186	217	124	4 850	1 157	245	128	96	246	—	152	499	509	210
Salaried	26 354	330	—	4 674	1 849	604	—	19	—	—	19	—	10	—
Self-employed	80 686	123	—	224	89	61	45	79	91	34	72	499	153	133
Newsboys	25 595	19	—	91	45	16	—	45	—	19	—	85	34	—
Other specified sales workers	53 283	104	—	133	44	45	—	34	91	15	72	414	119	100
Salesmen and sales clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

United States	Agriculture, forestry, and fisheries		Mining		Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment
	Total, 16 years old and over	Total	Total	Special trade contractors	Total	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical		
<b>NEURO—Continued</b>														
<b>Male, employed—Continued</b>														
<b>Clerical and kindred workers</b>														
Bookkeepers	330 492	650	771	996	3 198	858	1 305	959	3 631	706	3 450	4 313	4 999	4 488
Cashiers	11 165	70	101	76	190	23	37	—	112	65	41	200	210	149
Estimators and investigators, n.e.c.	8 798	—	33	14	33	—	—	21	—	—	44	18	—	—
Office machine operators	3 583	—	46	75	253	—	—	—	21	—	—	48	105	—
Secretaries, stenographers, and typists	12 832	—	112	—	67	57	—	—	42	—	97	464	206	140
Shipping and receiving clerks	10 045	45	82	112	265	—	—	17	58	40	47	129	199	157
Stock clerks and storekeepers	47 941	98	385	243	385	357	885	286	1 132	262	1 442	1 338	1 499	1 184
Other clerical and kindred workers	38 639	41	55	198	423	95	182	165	493	111	663	1 199	1 256	1 295
	197 489	396	1 582	278	1 582	24 378	201	470	1 773	228	1 116	1 117	1 295	1 563
<b>Craftsmen and kindred workers</b>														
Construction craftsmen	626 709	2 933	2 894	76 251	177 764	8 587	7 177	4 802	29 317	4 283	10 921	12 983	9 225	17 738
Brickmasons and stonemasons	195 806	1 363	1 022	69 810	132 422	3 616	1 012	1 174	3 362	371	1 507	1 157	1 018	1 923
Carpenters	25 996	55	22	12 110	22 777	25	24	200	1 119	33	107	24	25	138
Electricians	45 826	353	249	12 291	33 853	867	613	63	123	150	150	135	62	52
Excavating, grading and road machine operators	14 185	14	167	4 093	4 402	—	21	89	523	18	133	357	644	653
Painters (const. & maint.), plasterers, & paperhangers	23 337	767	549	1 597	12 683	2 588	14	318	689	82	216	80	—	119
Plumbers and pipefitters	34 819	108	—	16 332	19 765	98	364	103	163	138	450	453	201	494
Other construction craftsmen	18 019	22	57	7 238	30 064	3 754	—	101	491	49	354	108	70	354
Foremen, n.e.c.	33 524	44	—	16 149	29 878	25	—	300	254	—	299	—	16	113
Mechanics and repairmen	50 786	395	317	1 318	5 253	811	—	971	2 597	748	1 340	997	1 812	2 362
Automobile, including body	140 805	773	646	1 394	3 565	559	462	979	2 188	429	1 071	2 513	2 355	4 494
	73 181	159	114	—	653	156	19	192	253	19	117	154	75	4 783
Metal craftsmen, except mechanics	49 698	45	134	894	1 239	532	308	507	11 250	2 011	4 977	6 641	2 593	4 941
Machinists, job setters, and toolmakers	23 397	—	117	361	312	232	232	388	1 103	822	2 147	4 449	1 956	3 351
Blacksmiths, forgemen, hammermen, boilermakers	3 321	16	17	74	97	55	21	24	95	106	638	39	39	175
Other metal craftsmen	22 780	29	—	801	743	165	55	95	9 652	1 083	2 192	2 037	598	1 415
Printing craftsmen	16 864	31	—	250	103	21	—	42	80	30	110	109	109	46
Stationary engineers and power station operators	8 091	—	190	79	219	39	—	64	326	46	49	78	77	91
Other craftsmen and kindred workers	164 659	326	585	2 653	34 796	3 122	4 584	1 065	9 514	648	1 858	1 487	1 261	1 881
<b>Operatives, except transport</b>														
Assemblers	798 945	2 410	10 133	5 065	15 638	29 208	15 648	18 976	48 352	13 158	36 411	34 116	30 068	79 725
Checkers, examiners, and inspectors, manufacturing	62 666	15	225	74	1 010	1 010	2 794	362	893	377	2 365	5 289	7 753	29 466
Filers, polishers, sanders, and buffers	25 988	—	—	—	298	298	569	696	1 656	757	1 657	1 813	3 222	5 339
Painters, manufactured articles	11 054	—	82	37	448	448	1 228	274	300	464	1 561	708	438	2 516
Precision machine operatives	14 195	17	22	65	189	147	566	108	415	79	1 299	1 181	1 049	2 735
Drill press operatives	24 079	19	23	65	23 037	544	215	203	4 983	762	2 275	5 223	1 189	4 126
Grinding machine operatives	4 357	—	15	—	15	50	72	24	212	77	338	1 086	414	1 261
Lathe and milling machine operatives	10 659	—	44	—	44	64	20	109	4 185	461	1 156	1 644	269	1 871
Precision machine operatives, n.e.c.	5 709	—	130	65	130	283	56	70	363	153	311	1 436	277	793
Punch and stamping press operatives	3 354	—	23	—	147	147	67	—	223	71	470	1 057	229	511
	13 583	41	—	—	41	48	212	43	746	387	2 493	962	1 093	6 206
Solders	645	—	38	15	92	—	—	—	45	23	19	—	250	100
Stationary firemen	10 448	20	25	127	187	992	235	594	463	169	69	17	131	123
Welders and flame-cutters	44 231	87	321	759	2 260	85	625	601	4 221	302	5 630	4 654	1 694	10 135
Other specified operatives	348 516	682	9 674	2 891	8 144	13 309	5 354	5 354	13 125	3 692	5 354	3 609	3 703	4 673
Machine operatives, miscellaneous specified	93 586	697	49	439	1 474	4 436	2 012	4 411	7 739	2 694	5 421	3 212	2 983	4 067
Machine operatives, not specified	64 916	299	—	110	57 041	3 036	1 366	4 795	4 795	1 726	4 052	3 184	3 184	3 886
Miscellaneous operatives	59 728	418	—	343	1 908	2 322	1 057	2 666	4 850	1 155	2 720	1 842	2 459	2 315
Not specified operatives	25 372	115	19	205	511	2 533	372	1 163	4 121	571	1 253	900	920	1 538
<b>Transport equipment operatives</b>														
Deliverymen and roulemen	403 209	4 555	2 819	4 157	23 434	11 492	1 803	8 797	6 389	2 147	4 453	3 185	2 089	6 014
Fork lift and tow motor operatives	56 390	378	131	291	886	270	379	702	283	134	351	203	203	213
Truck drivers	43 428	294	129	371	926	2 843	331	2 020	2 275	1 383	2 078	1 466	971	3 078
Other transport equipment operatives	182 861	3 325	1 949	3 360	17 696	8 110	1 021	5 750	1 909	630	1 774	1 445	654	2 048
	120 530	558	610	130	3 926	248	72	325	1 922	—	250	1 545	261	675





Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)			Machinery, except electrical
<b>United States</b>														
<b>NEGRO—Continued</b>														
<b>Female, employed—Continued</b>														
<b>Clerical and kindred workers—Continued</b>														
Payroll and timekeeping clerks	5 144	25	—	62	39	—	14	—	—	47	15	139	141	14
Receptionists	14 321	19	—	78	21	—	59	—	—	—	—	12	72	438
Secretaries	87 707	159	—	1 106	340	—	124	—	—	180	76	279	794	—
Statistical clerks	12 933	20	—	39	19	—	—	—	—	43	—	46	44	—
Stenographers	5 690	17	—	24	24	—	—	—	—	58	—	—	22	88
Telephone operators	41 600	—	—	43	24	—	—	—	—	14	—	—	58	17
Typists	87 490	97	—	839	88	—	46	—	—	290	34	276	663	327
Other clerical and kindred workers	262 274	286	—	1 258	123	—	157	—	—	226	47	392	531	341
<b>Craftsmen and kindred workers</b>	<b>48 140</b>	<b>191</b>	<b>67</b>	<b>3 123</b>	<b>1 639</b>	<b>1 491</b>	<b>208</b>	<b>163</b>	<b>810</b>	<b>819</b>	<b>163</b>	<b>810</b>	<b>674</b>	<b>668</b>
Foremen, n.e.c.	7 985	53	17	113	37	—	79	—	—	39	23	135	127	104
Mechanics and repairmen	5 016	18	13	148	83	—	16	—	—	—	—	21	64	162
Printing craftsmen	4 995	—	—	—	—	—	—	—	—	—	—	28	57	34
<b>Operatives, except transport</b>	<b>534 154</b>	<b>1 287</b>	<b>595</b>	<b>618</b>	<b>387</b>	<b>8 749</b>	<b>5 512</b>	<b>1 903</b>	<b>9 279</b>	<b>1 903</b>	<b>1 791</b>	<b>9 279</b>	<b>9 408</b>	<b>9 956</b>
Assemblers	51 273	—	—	25	25	4 283	320	1 164	1 431	360	360	1 431	3 928	4 165
Bottling and canning operatives	1 864	—	—	—	—	27	—	—	62	—	—	—	21	—
Checkers, examiners, inspectors, manufacturing	29 004	—	—	—	—	138	337	1 444	655	170	241	655	1 181	989
Graders and sorters, manufacturing	3 356	—	—	—	—	233	—	—	41	—	51	41	30	20
Packers and wrappers, except produce	40 418	386	25	34	34	110	329	1 356	691	76	153	691	288	391
Produce graders and packers, exc. factory and farm	1 389	114	—	—	—	—	—	—	—	—	—	—	—	—
Mixing operatives	1 395	—	23	—	—	—	22	—	—	—	—	—	—	—
Sewers and stitchers	77 604	27	—	26	—	71	902	38	66	—	—	66	26	457
Other specified operatives	228 277	220	547	458	305	915	56	597	2 858	438	438	2 858	1 786	2 240
Machine operatives, miscellaneous specified	35 444	161	—	31	—	1 016	852	700	921	346	301	921	669	363
Machine operatives, not specified	23 818	25	—	44	23	600	647	507	1 699	168	111	1 699	1 096	828
Miscellaneous operatives	30 370	317	—	—	—	706	800	298	520	178	136	520	225	197
Not specified operatives	10 742	37	—	—	—	147	297	105	335	204	—	335	158	306
<b>Transport equipment operatives</b>	<b>12 937</b>	<b>136</b>	<b>11</b>	<b>351</b>	<b>58</b>	<b>154</b>	<b>135</b>	<b>87</b>	<b>37</b>	<b>16</b>	<b>16</b>	<b>37</b>	<b>54</b>	<b>89</b>
Deliverymen and routemen	1 536	18	—	—	—	—	—	—	—	—	—	—	—	—
<b>Laborers, except farm</b>	<b>48 372</b>	<b>1 703</b>	<b>32</b>	<b>2 409</b>	<b>693</b>	<b>1 589</b>	<b>589</b>	<b>471</b>	<b>610</b>	<b>506</b>	<b>155</b>	<b>610</b>	<b>335</b>	<b>397</b>
<b>Farm workers</b>	<b>42 272</b>	<b>42 272</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Service workers, except private household<sup>1</sup></b>	<b>850 455</b>	<b>1 825</b>	<b>123</b>	<b>1 805</b>	<b>401</b>	<b>225</b>	<b>363</b>	<b>111</b>	<b>466</b>	<b>570</b>	<b>74</b>	<b>466</b>	<b>839</b>	<b>743</b>
Cleaning service workers	206 157	1 121	98	1 358	260	151	265	91	270	477	74	270	544	465
Cleaners and cleaners	91 887	606	40	602	156	132	117	39	120	203	74	120	206	129
Food service workers	229 123	378	25	49	49	26	21	—	45	93	—	45	156	102
Waiters and food counter workers	57 202	13	25	—	—	—	—	—	26	53	—	26	117	75
Health service workers	225 918	120	—	44	—	—	24	20	82	—	—	82	17	54
Personal service workers	82 559	71	—	79	23	—	—	—	—	—	—	—	25	—
Protective service workers	7 869	—	—	—	—	12	—	—	23	—	—	—	—	18
<b>Private household workers</b>	<b>595 938</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordinance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>	29 248	38 787	12 834	119 358	110 030	66 531	24 464	39 665	36 517	56 512	29 220	83 756	405 410	44 872	89 006	114 613
<b>NEGRO—Continued</b>	2 720	936	844	2 732	875	504	184	662	1 561	4 172	515	2 093	7 528	126	103	1 454
Male, employed	119	44	61	192	60	63	17	40	149	171	21	158	475	21	—	170
Professional, technical, and kindred workers	64	42	52	24	56	10	—	—	105	58	14	49	262	16	—	86
Architects	1 125	143	366	208	160	19	25	43	—	359	25	98	1 461	53	—	294
Computer specialists	586	—	—	19	—	—	—	—	—	160	—	—	19	—	—	19
Engineers	—	—	—	—	—	—	—	—	—	41	—	—	25	—	—	30
Aeronautical and astronautical	—	—	—	—	—	—	—	—	—	271	—	—	19	—	—	271
Chemical	—	—	—	—	—	—	—	—	—	41	—	—	271	—	—	271
Civil	—	—	—	—	—	—	—	—	—	58	—	—	762	—	—	762
Electrical and electronic	267	58	156	16	30	—	25	23	—	58	—	60	67	—	—	97
Industrial	47	—	52	115	27	—	—	—	—	49	—	—	20	—	—	47
Mechanical	169	62	37	—	26	—	—	—	—	34	—	20	194	—	—	47
Other engineers	56	23	102	58	22	19	—	—	—	17	—	18	123	—	—	20
Lawyers and judges	—	—	—	—	—	—	—	—	20	—	—	—	—	—	—	—
Librarians, archivists, and curators	—	19	—	—	—	—	—	—	18	—	—	23	157	—	—	12
Mathematical specialists	—	—	25	14	14	—	—	—	—	30	—	—	—	—	—	—
Life and physical scientists	—	—	10	51	157	—	—	—	24	1 095	68	122	234	—	—	—
Chemists	—	—	37	37	115	—	—	—	90	1 050	68	122	234	—	—	—
Operations and systems researchers and analysts	80	82	—	—	17	—	—	—	22	25	—	—	19	—	—	—
Personnel and labor relations workers	117	34	60	92	76	111	18	47	—	59	81	26	452	—	21	145
Physicians, dentists, and related practitioners	—	—	—	—	27	—	—	—	—	16	—	—	20	—	20	—
Dentists	—	—	—	—	—	—	—	—	—	16	—	—	20	—	20	—
Pharmacists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Religious workers	36	—	—	18	—	—	—	—	26	12	—	—	35	—	—	—
Social scientists	—	—	—	18	32	—	—	—	22	23	—	36	40	—	—	—
Teachers, college and university	—	—	21	—	—	—	—	—	—	—	—	—	17	—	—	21
Teachers, except college and university	18	29	21	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineering and science technicians	878	345	228	286	186	37	34	53	—	—	—	—	118	—	21	76
Draftsmen	283	143	9	96	28	186	25	212	152	2 146	204	415	1 581	19	41	285
Electrical and electronic engineering technicians	394	85	100	71	86	58	25	19	65	—	25	23	472	—	—	72
Industrial and mechanical engineering technicians	72	19	37	19	—	—	—	—	19	—	—	—	816	—	—	171
Other engineering and science technicians	129	98	82	100	158	128	—	193	68	2 106	158	392	274	—	41	42
Technicians, exc. health, and eng. and science	117	—	—	—	—	—	—	21	—	21	60	—	453	—	—	177
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	55	—	—	55
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	72	—	—	—	—	—	—	21	—	21	60	—	307	—	—	105
Writers, artists, and entertainers	202	71	—	216	45	49	65	87	1 005	58	42	79	1 427	17	—	116
Other professional, technical, and kindred workers	—	—	—	1 613	45	29	—	69	18	99	42	1 087	777	—	—	72
Managers and administrators, except farm	300	268	144	1 000	599	168	279	177	1 063	813	142	445	6 126	1 418	1 746	919
Buyers, purchasing agents, and sales managers	19	46	18	66	101	21	46	22	308	60	22	56	185	41	14	20
Other managers and administrators	281	222	126	934	498	147	233	177	755	753	120	389	5 941	1 377	1 732	899
Salaried	281	188	104	669	483	147	215	177	626	739	120	365	4 738	1 377	1 732	899
Self-employed	—	34	22	265	15	—	18	—	129	14	—	24	1 203	—	888	124
Sales workers	39	77	28	447	1 354	68	42	131	2 310	589	103	2 379	1 218	161	93	337
Newsboys	—	—	—	—	—	—	—	—	1	735	—	—	307	—	—	—
Other specified sales workers	—	60	—	65	61	—	—	68	116	39	—	—	40	—	23	—
Salesmen and sales clerks, n.e.c.	39	17	28	382	1 293	68	42	63	459	550	103	367	911	121	70	337

Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

		Manufacturing—Con.										Transportation, communications, and other public utilities					
		Aircraft and parts	Other transportation equipment	Other transportation	Ord-nance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastics	Other non-durable goods	Total	Railroads and express service	Trucking service and warehousing
<b>United States</b>		2 012	1 749	791	6 375	4 619	4 040	4 176	2 086	5 229	3 800	1 302	5 155	31 057	3 681	6 182	8 639
<b>Male, employed—Continued</b>		60	48	39	168	45	34	89	134	297	127	41	126	1 081	191	192	1 864
Bookkeepers	-----	41	24	15	29	50	89	21	19	—	—	—	981	46	35	855	
Cashiers	-----	138	86	85	102	71	44	44	53	361	117	19	432	157	87	95	
Estimators and investigators, n.e.c.	-----	325	195	109	168	2 260	2 591	2 844	935	1 213	1 578	602	1 050	4 782	436	203	
Office machine operators	-----	734	681	307	717	609	531	654	426	388	555	344	278	3 386	633	3 215	
Secretaries, stenographers, and typists	-----	675	696	251	4 004	1 584	751	440	519	2 667	1 093	297	3 312	2 132	832	686	
Shipping and receiving clerks	-----	7 197	14 157	2 084	19 596	13 163	5 816	3 409	3 832	11 998	6 753	2 646	9 255	7 674	5 222	10 247	
Stock clerks and storekeepers	-----	921	7 631	281	510	938	333	131	275	1 109	1 600	336	476	7 756	1 050	1 246	
Other clerical and kindred workers	-----	137	2 266	99	88	58	59	54	57	—	130	36	74	697	222	336	
Construction craftsmen	-----	218	760	70	158	104	161	45	61	14	257	41	17	1 906	188	359	
Brickmasons and stonemasons	-----	215	58	52	22	298	—	112	112	95	644	86	103	1 542	328	183	
Carpenters	-----	381	39	60	139	172	28	22	70	—	158	114	141	2 793	225	298	
Electricians	-----	106	1 618	—	83	132	24	10	—	—	285	17	17	2 429	24	63	
Excavating, grading and road machine operators	-----	64	534	—	20	61	61	27	27	760	46	42	71	2 662	63	27	
Painters (const. & maint.), plasterers, & paperhangers	-----	578	644	497	1 252	2 697	1 252	879	815	683	2 133	683	948	4 915	845	999	
Plumbers and pipefitters	-----	2 801	741	571	869	3 002	2 692	310	823	366	1 214	721	955	3 010	3 198	6 306	
Other construction craftsmen	-----	119	97	—	21	894	41	—	37	55	115	23	87	7 029	66	2 942	
Foremen, n.e.c.	-----	2 477	2 802	444	638	642	517	66	517	95	628	551	668	936	503	110	
Mechanics and repairmen	-----	1 261	944	290	570	600	489	41	424	36	514	511	519	583	331	88	
Automobile, including body	-----	42	282	17	—	17	—	—	—	—	35	—	67	271	146	22	
Metal craftsmen, except mechanics	-----	1 174	1 576	154	68	25	28	25	93	37	79	40	82	82	26	—	
Machinists, job setters, and toolmakers	-----	52	66	17	124	91	326	87	889	10 435	152	57	42	305	36	51	
Blacksmiths, forgemen, hammermen, boilermakers	-----	26	156	28	28	203	81	—	111	81	379	32	288	129	81	186	
Other metal craftsmen	-----	342	2 117	274	16 166	5 590	536	1 936	402	1 52	647	266	5 878	2 137	528	1 330	
Printing craftsmen	-----	12 299	13 510	5 533	60 008	47 278	38 845	11 691	20 732	5 717	24 211	18 882	40 080	18 784	3 608	5 346	
Stationary engineers and power station operators	-----	3 380	769	1 534	1 334	1 082	1 283	60	412	105	400	462	627	174	94	12	
Other craftsmen and kindred workers	-----	951	218	517	796	1 082	1 283	385	255	260	562	1 153	2 519	—	—	—	
Assemblers	-----	319	130	48	840	71	—	56	41	—	44	44	147	91	18	18	
Checkers, examiners, and inspectors, manufacturing	-----	462	960	61	350	93	73	45	111	21	159	63	119	43	41	—	
Filers, polishers, sanders, and buffers	-----	1 165	464	300	384	197	129	100	84	27	128	296	243	99	—	—	
Painters, manufactured articles	-----	302	140	166	71	13	—	22	18	27	26	89	122	20	—	—	
Precision machine operatives	-----	268	85	20	81	103	—	63	49	—	52	36	99	—	—	—	
Drill press operatives	-----	554	195	83	174	81	—	15	17	—	50	113	22	18	—	—	
Grinding machine operatives	-----	41	44	31	58	31	—	—	75	24	28	119	35	61	16	—	
Lathe and milling machine operatives	-----	239	243	23	165	31	—	—	—	—	—	—	—	18	—	—	
Punch and stamping press operatives	-----	38	32	—	31	—	—	—	—	—	—	—	—	—	—	—	
Solders	-----	100	37	53	108	201	405	38	240	45	706	93	404	1 091	53	75	
Stationary firemen	-----	542	5461	153	654	127	105	—	91	169	247	70	279	949	393	45	
Welders and flame-cutters	-----	1 468	1 585	490	47 748	22 348	36 771	8 072	5 423	1 685	8 079	3 542	25 486	7 927	358	2 867	
Other specified operatives	-----	866	5 011	786	2 887	9 338	—	1 270	7 634	1 099	5 438	8 355	4 189	1 370	104	550	
Machine operatives, miscellaneous specified	-----	1 565	4 002	891	4 667	4 667	—	2 269	4 145	4 726	4 721	2 746	2 900	1 495	580	186	
Machine operatives, not specified	-----	816	1 212	415	1 493	6 778	—	1 150	1 770	1 508	1 986	1 790	1 918	4 605	680	521	
Miscellaneous operatives	-----	388	496	262	961	1 431	—	1 246	451	1 58	1 713	790	1 289	4 606	569	19	
Not specified operatives	-----	773	1 399	1 018	7 317	15 300	3 947	954	4 366	3 016	4 437	1 470	5 809	139 437	6 189	51 413	
Transport equipment operatives	-----	52	111	40	381	5 256	284	198	403	986	206	78	279	4 427	78	3 658	
Deliverymen and roufemen	-----	352	441	571	614	3 343	1 608	146	2 021	432	1 479	790	1 214	3 472	474	1 558	
Fork lift and tow motor operatives	-----	326	680	298	978	6 364	1 936	563	1 734	1 444	2 559	415	1 642	59 205	974	45 784	
Truck drivers	-----	43	167	109	5 344	337	119	47	208	154	193	126	2 674	72 333	4 663	51 896	
Other transport equipment operatives	-----																

\*Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordinance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>																
<b>NEGRO—Continued</b>																
<b>Male, employed—Continued</b>																
<b>Labors, except farm</b>																
Construction laborers	1 210	4 917	1 391	14 709	17 618	8 261	1 641	5 373	1 979	6 888	2 436	11 787	113 376	15 250	18 309	22 380
Freight, stock, and material handlers	431	1 101	633	1 125	9 840	4 000	1 291	2 476	1 205	2 822	994	2 219	62 599	3 437	16 311	17 410
Vehicle washers and equipment cleaners	227	666	55	144	1 163	597	23	166	126	255	46	362	3 903	703	196	2 603
Other specified laborers	109	155	103	11 944	451	405	15	321	86	709	121	6 726	17 249	266	320	439
Miscellaneous laborers	59	656	152	176	1 151	987	9	296	19	160	329	439	16 546	7 965	186	953
Not specified laborers	384	1 529	391	1 270	4 897	2 106	257	2 010	526	2 618	946	1 875	8 534	2 436	1 250	917
<b>Farm workers</b>																
Service workers, including private household	2 408	1 325	674	2 223	6 845	4 559	1 723	2 003	3 644	3 946	1 543	2 658	17 644	2 988	1 779	5 318
Cleaning service workers	103	36	80	35	1 434	16	23	43	62	198	16	89	4 086	2 350	—	1 671
Food service workers	—	—	—	—	—	24	—	16	—	45	—	—	—	—	32	105
Health service workers	—	63	—	150	404	131	170	49	154	45	—	181	4 887	1 613	237	2 968
Personal service workers	98	262	227	208	324	338	172	65	307	373	52	215	1 380	191	263	441
Guards and watchmen	89	88	20	4 558	217	—	—	130	23	271	72	3 610	4 782	397	19	410
Other service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Female, employed</b>																
Professional, technical, and kindred workers	6 881	3 256	6 812	51 766	44 418	47 383	97 882	10 720	21 920	16 450	12 984	56 810	100 207	3 467	5 216	17 294
Accountants	165	39	134	602	306	238	298	146	1 214	1 145	123	746	2 343	103	23	348
Computer specialists	21	17	19	43	20	14	18	49	53	135	—	105	451	20	—	62
Engineers	—	—	—	—	—	—	—	—	—	36	—	63	139	38	—	20
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	—	22	—	—	132	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	42	—	—	21	—	—	—
Physicians, dentists, and related practitioners	—	—	—	18	27	—	—	—	—	59	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	51	—	24	—	—	30	22	—	—	—	—	17
Health technologists and technicians	—	—	—	—	—	—	—	—	—	36	—	—	—	—	—	—
Social scientists	17	—	—	—	—	—	—	—	—	—	—	—	20	—	—	—
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	—	—	—	15	20	64	68	—	—	17	20	—	20	—	—	—
Engineering and science technicians	68	—	19	133	138	160	—	19	35	649	38	127	197	25	—	184
Technicians, exc. health, and engineering and science	—	—	—	—	—	—	—	—	—	71	23	28	380	—	—	65
Writers, artists, and entertainers	—	—	—	67	—	—	—	54	1 001	48	20	423	685	—	—	—
Other professional, technical, and kindred workers	59	22	16	326	50	—	—	24	125	—	—	—	—	20	23	—
<b>Managers and administrators, except farm</b>	46	21	—	207	68	—	153	19	231	35	20	108	814	93	—	169
Buyers, purchasing agents, and sales managers	—	—	—	43	26	—	—	—	76	—	—	16	—	—	—	—
Other managers and administrators	46	21	—	164	42	—	126	—	155	35	20	92	767	93	—	169
Salaries	46	—	—	151	20	—	126	—	112	35	20	65	748	—	—	150
Self-employed	—	—	—	13	22	—	—	—	43	—	—	27	—	—	—	19
<b>Sales workers</b>	16	19	—	270	275	—	216	27	393	94	21	149	943	60	—	214
Clerical and kindred workers	1 721	1 246	955	6 304	3 405	1 435	4 045	1 447	9 188	3 858	937	7 518	74 935	1 505	2 462	7 006
Bookkeepers	89	27	90	500	326	116	754	124	760	253	120	331	1 480	36	100	63
Cashiers	—	—	—	44	67	22	41	—	93	82	—	106	1 731	22	34	302
Counter clerks, except food	—	—	—	148	40	—	61	—	103	53	16	724	1 674	49	49	21
File clerks	117	150	79	295	143	137	277	158	727	242	19	405	2 644	77	195	240
Office machine operators	262	196	47	428	379	145	448	135	1 161	376	130	778	3 325	402	172	298
Bookkeeping and billing machine operators	—	—	—	63	93	—	40	—	68	—	—	40	159	18	44	—
Keypunch operators	220	147	47	294	263	91	219	135	765	288	78	566	2 438	384	112	167

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text!

	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>																
<b>NEGRO—Continued</b>																
<b>Female, employed—Continued</b>																
<b>Clerical and kindred workers—Continued</b>																
Payroll and timekeeping clerks	—	65	19	25	33	—	161	102	96	28	23	496	45	19	54	—
Receptionists	22	—	—	31	93	—	63	69	42	153	56	561	—	—	135	—
Secretaries	274	103	93	616	577	136	171	308	1 167	1 023	729	3 358	184	527	501	—
Statistical clerks	60	25	61	19	62	14	82	—	40	40	108	1 471	—	62	71	—
Stenographers	—	—	18	—	48	31	25	19	68	51	27	440	39	26	—	—
Telephone operators	—	—	—	22	101	49	21	67	17	17	40	33 492	79	151	430	—
Typists	403	426	98	456	447	232	408	181	1 535	756	458	5 726	159	319	549	—
Other clerical and kindred workers	467	254	450	3 702	1 147	541	1 440	284	2 995	667	4 359	18 813	462	637	3 589	—
<b>Craftsmen and kindred workers</b>																
Foremen, n.e.c.	659	593	189	2 816	1 514	660	1 987	364	3 830	537	1 930	1 542	23	116	279	—
Mechanics and repairmen	38	20	—	445	294	249	952	19	199	196	101	353	—	—	60	—
Printing craftsmen	304	84	108	66	123	136	50	—	74	68	43	206	—	37	116	—
Printing pressmen	—	—	—	55	22	56	21	226	3 510	43	97	20	—	—	—	—
Operatives, except transport	3 742	895	4 869	38 513	34 592	41 202	88 784	7 977	5 574	9 280	10 617	1 979	130	629	452	—
Assemblers	1 737	127	2 336	6 209	1 852	258	302	570	204	1 211	958	1 143	—	16	—	—
Bottling and canning operatives	—	—	22	—	1 302	—	—	57	—	210	52	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	—	—	—	—	1 572	2 714	4 086	862	870	915	1 011	—	—	—	—	—
Graders and sorters, manufacturing	243	42	554	1 336	912	430	297	194	112	38	43	—	—	—	—	—
Packers and sorters, manufacturing	—	—	—	—	11 487	934	1 910	1 655	788	2 087	990	539	—	407	109	—
Produce graders and packers, except produce	19	28	101	2 185	—	—	—	—	—	—	—	—	—	—	—	—
Produce graders and packers, exc. factory and farm	—	—	23	17	17	114	—	—	—	162	26	—	—	—	—	—
Mixing operatives	18	—	299	936	37	6 914	58 962	—	249	50	799	26	—	—	—	—
Sewers and stitchers	36	20	387	19 029	4 610	29 838	13 559	279	513	1 103	28 742	743	26	21	256	—
Other specified operatives	768	372	421	2 898	4 134	—	3 696	2 173	955	1 433	3 028	42	67	42	—	—
Machine operatives, miscellaneous specified	252	91	354	2 702	1 543	—	855	1 239	922	1 331	1 727	171	37	57	—	—
Machine operatives, not specified	331	56	212	1 662	7 600	—	3 023	556	749	556	629	299	—	86	87	—
Miscellaneous operatives	221	131	160	837	506	—	2 094	116	212	184	360	16	—	—	—	—
Not specified operatives	117	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Transport equipment operatives	—	18	23	51	301	105	44	14	—	—	106	7 140	255	1 042	5 018	—
Deliverymen and routemen	—	—	—	18	70	—	—	—	—	—	20	179	—	156	—	—
Laborers, except farm	42	119	423	1 432	2 018	1 684	1 061	447	551	617	294	2 805	452	561	909	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household <sup>1</sup>	490	306	219	1 571	1 939	2 059	1 294	279	939	884	2 603	7 706	846	383	2 899	—
Cleaning service workers	360	183	165	347	727	1 732	976	206	572	556	220	3 574	519	262	845	—
Cleaners and charwomen	78	88	—	200	429	1 189	626	63	295	267	78	2 132	386	185	590	—
Food service workers	93	123	54	172	898	260	142	73	228	152	22	1 743	166	83	924	—
Waiters and food counter workers	75	25	—	69	88	61	78	26	52	—	—	390	20	19	193	—
Health service workers	18	—	—	15	—	—	33	—	—	23	—	27	27	—	—	—
Personal service workers	19	—	—	176	83	33	143	—	47	—	—	1 165	13	16	1 000	—
Protective service workers	—	—	—	—	52	21	—	—	—	31	—	192	85	—	78	—
Private household workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text]

	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>United States</b>														
<b>NEGRO—Continued</b>														
<b>Male, employed</b>	23 702	87 605	164 205	44 197	47 264	71 439	83 543	16 272	78 228	149 147	104 311	24 192	21 042	59 077
Professional, technical, and kindred workers	3 074	2 086	2 225	240	582	344	124	51	1 026	3 345	3 809	1 498	1 032	1 279
Accountants	121	140	336	23	74	108	40	17	25	79	187	747	264	176
Architects	—	—	—	—	—	—	—	—	—	—	—	—	—	18
Computer specialists	—	60	339	18	40	43	25	—	27	82	742	382	193	167
Engineers	528	561	298	37	21	—	—	—	—	119	204	57	73	74
Aeronautical and astronautical	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemical	—	—	41	—	—	—	—	—	—	—	—	—	—	—
Civil	—	222	—	—	—	—	—	—	—	21	20	—	—	20
Electrical and electronic	484	167	61	16	—	—	—	—	—	66	21	21	—	—
Industrial	—	—	18	—	21	—	—	—	—	—	22	22	—	—
Mechanical	—	—	19	—	—	—	—	—	—	34	34	14	—	—
Other engineers	44	59	159	21	—	—	—	—	—	32	107	—	53	54
Lawyers and judges	—	—	—	—	—	—	—	—	—	—	138	41	60	37
Librarians, archivists, and curators	125	20	—	—	18	—	—	—	—	—	41	—	41	—
Mathematical specialists	—	—	26	—	—	—	—	—	—	—	22	22	—	—
Life and physical scientists	—	234	46	—	—	—	—	—	—	25	25	—	—	—
Chemists	—	234	46	—	—	—	—	—	—	—	93	—	36	57
Operations and systems researchers and analysts	—	19	—	—	—	—	—	—	—	—	452	156	210	86
Personnel and labor relations workers	79	207	164	63	201	69	18	—	48	75	452	156	210	86
Physicians, dentists, and related practitioners	—	—	49	—	18	—	—	—	—	1 610	18	—	—	—
Dentists	—	—	49	—	18	—	—	—	—	1 552	18	—	—	—
Pharmacists	—	—	—	—	—	—	—	—	—	58	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other related practitioners	—	—	—	—	—	—	—	—	—	—	64	—	—	64
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	35	—	—	—	—	—	—	—	25	—	—	—	—
Religious workers	19	—	79	22	17	18	—	—	—	—	66	—	46	20
Social scientists	—	—	18	—	—	—	—	—	—	—	38	—	—	38
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	—	—	24	—	39	19	—	—	—	17	23	—	—	23
Teachers, except college and university	613	597	427	38	68	23	23	18	—	109	181	—	15	166
Engineering and science technicians	374	374	150	—	46	—	23	—	—	49	124	—	15	124
Draftsmen	548	78	61	—	—	—	—	—	—	16	15	—	—	—
Electrical and electronic engineering technicians	19	—	50	—	22	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	46	145	166	38	—	23	—	—	—	44	42	—	—	42
Other engineering and science technicians	202	74	65	—	—	—	—	—	—	—	25	—	25	—
Technicians, exc. health, and eng. and science	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	202	—	41	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	1 241	34	163	—	86	21	18	16	926	194	94	18	51	25
Writers, artists, and entertainers	46	105	190	39	—	43	—	—	—	1 010	403	75	—	328
Other professional, technical, and kindred workers	696	503	4 971	826	3 282	8 713	5 134	1 433	6 936	7 808	9 332	3 025	1 391	4 916
Managers and administrators, except farm	15	73	1 000	402	1 036	1 383	1 159	464	240	859	493	31	392	70
Buyers, purchasing agents, and sales managers	681	430	3 971	424	2 246	7 330	4 975	969	6 696	6 947	8 839	2 994	999	4 846
Other managers and administrators	681	367	2 800	387	2 030	3 632	2 771	737	3 492	4 503	8 329	2 994	986	4 349
Salaries	681	63	1 171	37	216	3 698	2 204	232	3 204	2 446	510	—	13	497
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	362	210	7 742	1 282	8 515	5 256	4 860	6 289	812	19 192	15 047	151	9 637	5 259
Newsboys	—	—	73	—	34	—	—	—	—	39	—	—	—	—
Other specified sales workers	166	44	705	47	855	—	—	—	—	5 195	15 047	151	9 637	5 259
Salesmen and sales clerks, n.e.c.	196	166	7 037	1 235	7 626	5 256	4 860	6 289	812	13 958	—	—	—	—

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade				Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations		Eating and drinking places	Other retail trade	Banking and credit agencies	Insurance	Other finance and real estate
							Total	Total					
<b>NEGRO—Continued</b>													
<b>Male, employed—Continued</b>													
Clerical and kindred workers													
Bookkeepers	4 807	5 183	20 264	2 993	8 812	10 075	1 860	1 894	1 660	13 452	11 146	5 625	6 964
Cashiers	116	362	596	137	304	224	307	132	178	378	716	423	505
Estimators and investigators, n.e.c.	70	41	90	39	607	4 168	107	47	834	666	467	86	42
Office machine operators	35	221	94	22	114	91	88	15	28	151	1 623	869	445
Secretaries, stenographers, and typists	459	184	406	34	178	—	130	24	22	130	413	295	271
Shipping and receiving clerks	173	124	8 491	1 288	2 667	945	337	696	71	2 562	136	230	60
Stock clerks and storekeepers	734	453	3 583	596	3 427	3 521	342	618	252	2 483	7 718	161	284
Other clerical and kindred workers	2 968	3 704	6 850	877	1 340	1 111	522	325	275	7 016	—	3 561	5 270
Craftsmen and kindred workers													
Construction craftsmen	11 016	16 172	18 300	3 769	4 979	3 858	25 972	1 611	908	19 451	472	613	5 795
Brickmasons and stonemasons	571	4 509	1 762	215	221	177	419	22	89	2 406	85	202	2 980
Carpenters	25	45	311	—	23	108	20	22	—	502	39	18	69
Electricians	254	811	49	97	17	18	—	43	261	21	46	1 074	
Excavating, grading and road machine operators	88	81	264	59	50	—	20	—	—	279	19	—	1 111
Painters (const. & maint.), plasterers, & paperhangers	13	194	532	73	17	35	242	—	46	361	25	103	1 379
Plumbers and pipefitters	170	125	97	—	15	17	41	—	—	307	—	—	284
Other construction craftsmen	—	—	380	—	19	—	18	—	—	361	—	—	63
Foremen, n.e.c.	238	1 776	1 856	34	1 471	689	370	59	76	578	109	106	369
Mechanics and repairmen	249	4 331	5 086	1 226	2 042	441	24 601	39	22	988	36	23	873
Automobile, including body	121	490	2 049	261	1 101	320	24 208	22	4	495	—	23	22
Metal craftsmen, except mechanics	17	267	692	83	78	21	21	29	30	258	—	—	46
Machinists, job setters, and toolmakers	17	147	570	83	61	21	21	—	—	71	—	—	46
Blacksmiths, forgemen, hammermen, boilermakers	—	103	38	—	—	—	—	—	—	92	—	—	—
Other metal craftsmen	—	17	84	—	17	—	—	29	—	95	—	—	—
Printing craftsmen	173	45	304	47	91	58	61	—	30	16	235	221	44
Stationary engineers and power station operators	46	1 504	281	40	63	19	—	—	496	52	43	61	1 001
Other craftsmen and kindred workers	9 722	3 740	6 422	1 607	1 013	2 453	440	1 442	—	10 782	—	—	1 062
Operatives, except transport	502	4 445	28 937	9 175	1 949	10 288	28 831	853	919	11 438	253	175	1 263
Assemblers	18	—	945	86	345	22	109	—	—	214	—	—	17
Checkers, examiners, and inspectors, manufacturing	—	—	336	—	22	—	231	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	14	173	—	38	—	816	—	—	203	—	—	—
Painters, manufactured articles	—	24	269	—	28	—	—	—	—	95	—	—	54
Precision machine operatives	20	—	52	—	—	—	—	—	—	177	—	—	26
Drill press operatives	20	—	92	—	—	—	—	—	—	27	—	—	—
Grinding machine operatives	—	—	143	—	—	—	—	—	—	143	—	—	—
Lathe and milling machine operatives	—	—	125	—	—	—	—	—	—	7	—	—	—
Loft and machine operatives, n.e.c.	—	—	35	—	28	—	32	—	—	48	—	—	—
Punch and stamping press operatives	—	—	113	—	—	—	—	—	—	—	—	—	—
Solderers	—	886	262	—	50	19	—	22	—	144	39	32	421
Stationary firemen	—	289	1 840	20	85	—	82	—	—	341	—	—	34
Welders and flame-cutters	23	823	14 903	6 463	1 311	8 928	25 761	749	610	8 291	—	—	403
Other specified operatives	199	823	3 504	655	1 611	317	796	—	227	77	37	20	20
Machine operatives, miscellaneous specified	101	435	2 778	546	51	221	119	59	26	350	59	21	37
Machine operatives, not specified	64	417	3 228	1 190	168	682	780	23	37	329	46	51	232
Miscellaneous operatives	56	1 410	586	215	35	99	105	—	19	309	—	—	19
Not specified operatives	21	147	—	—	—	—	—	—	—	—	—	—	—
Transport equipment operatives	613	11 660	44 052	13 875	3 703	7 320	4 042	673	1 688	29 276	490	218	964
Deliverymen and roulemen	147	240	12 964	4 944	1 755	3 390	1 609	373	776	12 680	100	29	92
Fork lift and low motor operatives	18	165	4 115	1 387	413	882	27	24	66	63	16	16	47
Truck drivers	276	10 852	22 525	7 241	1 430	2 869	1 556	233	563	11 541	97	70	408
Other transport equipment operatives	172	383	4 448	303	105	179	850	43	283	4 217	277	72	464



Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Wholesale trade		Retail trade				Finance, insurance, and real estate					
	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>												
<b>NEGRO—Continued</b>												
<b>Male, employed—Continued</b>												
<b>Laborers, except farm</b>												
Construction laborers	661	41 184	29 425	9 406	56 214	5 222	20 221	9 291	781	717	19 982	5 682
Freight, stock, and material handlers	165	3 833	460	18	939	54	23	145	—	18	699	366
Vehicle washers and equipment cleaners	122	25 235	16 710	6 841	32 794	4 469	19 125	344	722	261	7 873	394
Other specified laborers	123	278	589	182	7 958	19	138	7 647	—	18	136	23
Miscellaneous laborers	22	897	4 468	431	8 564	253	326	250	—	73	7 682	3 349
Not specified laborers	33	7 390	2 021	321	7 58	76	93	11	—	43	535	605
Not specified laborers	196	3 551	5 177	1 613	5 201	351	516	894	59	304	3 077	945
<b>Farm workers</b>												
Service workers, including private household	1 971	6 162	8 289	2 631	110 525	10 220	5 364	3 489	2 687	63 562	25 203	36 463
Food service workers	1 770	5 470	5 699	1 975	30 149	7 623	4 006	3 192	2 298	6 283	6 747	26 607
Personal service workers	32	33	574	364	59 555	1 943	1 050	33	71	56 452	606	541
Health service workers	—	29	—	—	42	—	—	22	—	—	20	—
Personal service workers	—	53	258	90	1 505	416	38	52	72	737	190	2 519
Guards and watchmen	78	365	421	75	1 637	699	120	75	223	90	430	2 145
Other service workers, including private household	91	212	1 337	107	17 637	139	150	115	23	—	17 210	4 651
<b>Female, employed</b>												
Professional, technical, and kindred workers	56 971	8 681	43 275	12 512	366 162	85 599	36 832	5 521	26 994	121 334	89 882	115 834
Accountants	1 309	332	760	102	2 861	751	258	45	80	503	1 224	2 510
Computer specialists	302	21	132	19	487	281	67	20	—	—	119	1 042
Engineers	57	24	124	—	90	90	—	—	—	—	—	229
Librarians, archivists, and curators	95	37	—	—	41	—	—	—	—	—	41	—
Life and physical scientists	21	—	—	—	—	—	—	—	—	—	—	—
Physicians, dentists, and related practitioners	—	—	—	—	17	—	—	—	—	—	17	—
Registered nurses, dietitians, and therapists	—	—	—	—	457	—	—	—	—	—	457	—
Health technologists and technicians	—	—	16	—	177	59	100	—	—	18	—	19
Social scientists	12	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	—	—	—	—	53	—	—	—	40	—	13	80
Teachers, except college and university	20	—	26	—	55	55	—	—	—	—	—	181
Engineering and science technicians	17	44	48	24	95	25	—	—	—	—	—	92
Technicians, exc. health, and engineering and science	153	13	15	—	25	—	—	25	—	—	—	49
Writers, artists, and entertainers	256	59	129	—	722	93	—	—	40	—	122	114
Other professional, technical, and kindred workers	376	114	270	59	712	148	91	—	—	18	455	704
Managers and administrators, except farm	429	86	619	73	14 681	2 239	3 368	182	1 087	5 058	2 747	3 568
Buyers, purchasing agents, and sales managers	32	15	158	57	2 631	1 470	134	19	527	144	337	83
Other managers and administrators	397	71	461	16	12 050	769	3 234	163	560	4 914	2 410	3 485
Salaried	397	71	367	16	5 856	661	1 181	55	444	2 054	1 461	3 136
Self-employed	—	—	94	—	6 194	108	2 053	108	116	2 860	949	349
Sales workers	536	45	2 510	387	70 314	32 118	5 189	357	9 736	1 102	21 812	6 280
Clerical and kindred workers	52 006	5 776	14 775	1 686	91 615	31 302	17 863	2 263	7 729	5 606	26 852	84 943
Billing clerks	240	77	594	38	886	584	61	23	94	—	124	267
Bookkeepers	853	369	1 592	332	6 287	2 103	621	604	969	338	1 652	6 661
Cashiers	435	414	419	158	33 357	8 199	15 160	195	1 365	4 294	4 124	923
Counter clerks, except food	583	53	339	—	1 771	1 188	143	25	220	57	138	38
File clerks	1 641	831	831	61	3 067	1 856	53	65	333	96	664	8 194
Office machine operators	1 675	756	1 287	110	3 896	2 405	183	237	487	116	468	10 491
Bookkeeping and billing machine operators	43	54	137	15	394	230	20	—	83	—	61	2 048
Keypunch operators	1 236	517	955	48	2 345	1 466	60	126	291	80	322	6 907

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

Data based on 5-percent sample, see text. For meaning of symbols, see text!

	Transportation, communication, and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>														
<b>NEGRO—Continued</b>														
Female, employed—Continued														
<b>Clerical and kindred workers—Continued</b>														
Payroll and timekeeping clerks	224	132	87	—	390	34	—	47	47	48	229	107	79	43
Receptionists	337	89	251	37	277	40	45	20	43	273	784	253	190	291
Secretaries	1 437	655	2 350	197	1 601	294	416	251	84	1 535	8 449	2 395	3 557	2 497
Statistical clerks	1 211	127	1 855	19	562	20	87	99	43	1 715	2 561	566	1 767	228
Stenographers	224	151	61	126	20	34	103	106	88	200	565	287	189	89
Telephone operators	32 731	101	205	126	280	150	184	474	107	1 200	14 687	5 472	7 527	1 688
Typists	3 661	996	1 624	141	1 693	150	279	3 264	293	16 285	30 595	13 859	7 842	8 894
Other clerical and kindred workers	6 754	1 414	4 950	467	10 144	1 050	279	3 264	293	16 285	30 595	13 859	7 842	8 894
Foremen, n.e.c.	791	321	1 774	679	1 548	713	513	1 250	802	2 589	428	116	193	119
Mechanics and repairmen	236	57	345	129	478	61	13	137	132	172	237	116	68	53
Printing craftsmen	20	53	233	79	137	16	436	—	—	106	22	—	44	22
Operatives, except transport	288	243	16 111	8 259	3 576	4 053	661	3 843	1 278	4 797	547	278	124	145
Assemblers	72	34	769	136	35	23	—	—	—	102	—	—	—	—
Bottling and canning operatives	—	—	40	40	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Graders and sorters, manufacturing	—	23	—	—	1 836	2 655	—	482	608	794	—	—	—	—
Packers and wrappers, except produce	—	—	—	2 241	—	84	—	—	—	23	—	—	—	—
Produce graders and packers, exc. factory and farm	—	—	—	1 120	—	—	—	—	—	—	—	—	—	—
Mixing operatives	—	—	24	—	—	—	—	—	—	—	—	—	—	—
Sewers and stitchers	—	—	21	18	100	—	19	415	44	132	—	—	—	—
Other specified operatives	101	4 908	1 277	1 277	916	654	625	2 694	150	3 008	190	47	25	118
Machine operatives, miscellaneous specified	33	1 633	867	379	135	35	—	96	228	258	153	109	44	—
Machine operatives, not specified	66	44	867	283	112	90	—	25	31	157	161	122	39	—
Miscellaneous operatives	16	39	3 322	2 605	387	431	17	98	143	259	16	—	16	—
Not specified operatives	—	—	335	160	55	81	—	33	74	64	27	—	—	27
Transport equipment operatives	23	139	738	133	242	59	126	40	74	584	8	—	8	—
Deliverymen and roufemen	23	—	242	50	184	24	61	40	53	276	8	—	8	—
Laborers, except farm	77	633	2 633	632	2 583	2 117	492	886	284	2 766	422	122	46	254
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	1 512	1 106	3 355	561	11 240	3 212	882	2 343	106 627	26 511	17 128	3 835	1 804	11 489
Cleaning service workers	985	855	1 784	190	2 850	695	693	1 546	3 234	4 046	12 238	2 939	1 363	7 936
Cleaners and charwomen	508	442	1 047	44	1 877	504	468	1 346	1 850	2 841	7 951	1 762	900	5 289
Food service workers	389	181	667	340	6 333	2 367	92	221	102 548	3 086	1 400	620	382	398
Waiters and food counter workers	135	23	49	22	2 448	878	15	75	35 746	1 729	392	75	189	128
Health service workers	—	—	26	—	127	40	54	—	40	33	56	14	—	42
Personal service workers	84	52	160	—	1 604	20	32	504	745	614	1 080	239	59	782
Protective service workers	29	—	542	—	388	—	—	72	60	22	67	23	—	44
Private household workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration			
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit organizations		Other professional and related services		
							Hospitals	Health services, except hospitals	Government				Private	
	Total													
<b>NEGRO—Continued</b>														
<b>Male, employed</b>														
Accountants	58 704	48 619	33 158	34 307	124 606	37 419	418 299	104 734	24 573	136 660	42 517	53 234	56 581	296 818
Professional, technical, and kindred workers	6 034	124	760	441	1 943	8 712	138 803	15 737	8 332	57 714	11 637	23 425	21 938	24 868
Architects	309	—	34	67	19	60	1 642	201	—	150	37	171	1 083	2 284
Computer specialists	18	—	—	—	42	—	558	65	75	129	16	21	521	150
Engineers	1 007	—	—	24	—	—	824	112	65	150	210	36	309	1 462
Aeronautical and astronautical	425	—	20	—	—	22	1 626	—	65	150	141	68	1 090	2 600
Chemical	18	—	—	—	—	—	—	—	—	—	—	—	—	80
Civil	52	—	—	—	—	—	356	—	18	40	—	—	298	505
Electrical and electronic	68	—	20	—	—	—	250	28	25	23	62	31	109	633
Industrial	172	—	—	—	—	—	117	62	22	20	27	—	47	393
Mechanical	24	—	—	—	—	—	315	22	—	20	35	—	191	269
Other engineers	91	—	—	—	—	22	588	22	—	40	44	37	445	720
Lawyers and judges	19	—	—	—	—	—	2 163	17	—	36	12	188	1 910	954
Librarians, archivists, and curators	22	—	—	—	—	—	1 037	—	—	783	228	26	—	221
Mathematical specialists	17	—	—	—	—	—	39	—	—	21	18	—	—	486
Life and physical scientists	149	—	—	—	16	—	1 313	393	243	230	118	29	300	1 041
Chemists	108	—	—	—	—	—	485	140	115	52	55	—	123	509
Operations and systems researchers and analysts	60	—	—	—	—	—	126	—	—	45	—	43	38	261
Personnel and labor relations workers	22	—	—	—	—	—	944	181	37	253	83	343	47	462
Physicians, dentists, and related practitioners	1 112	—	—	—	—	—	8 070	2 360	5 532	73	70	—	18	112
Dentists	—	—	—	—	—	—	2 202	111	2 070	21	—	—	—	—
Pharmacists	—	—	—	—	—	—	414	378	19	17	—	—	—	15
Physicians, medical and osteopathic	—	—	—	—	—	—	5 101	1 871	3 090	35	70	17	18	97
Other related practitioners	—	—	—	—	—	—	353	—	353	—	—	—	—	—
Registered nurses, dietitians, and therapists	24	—	19	—	116	—	6 345	5 059	817	199	64	145	61	392
Health technologists and technicians	46	—	—	—	—	—	7 860	6 237	724	320	354	178	47	212
Religious workers	—	—	—	—	30	—	12 873	62	—	—	60	12 723	28	76
Social scientists	329	—	—	—	—	—	716	122	150	137	40	103	164	733
Social and recreation workers	121	—	—	196	—	1 477	10 008	270	315	1 041	181	8 116	85	3 296
Teachers, college and university	25	—	—	—	—	—	8 749	34	18	5 941	2 808	163	20	491
Teachers, except college and university	1 119	80	161	—	—	41	48 715	281	102	43 048	5 432	37	2 318	2 716
Engineering and science technicians	310	—	39	—	—	19	3 562	24	63	518	306	17	1 553	952
Draftsmen	203	—	122	—	—	—	314	20	46	28	70	—	150	718
Electrical and electronic engineering technicians	24	—	—	—	—	—	25	—	—	427	137	—	25	44
Industrial and mechanical engineering technicians	582	—	—	—	—	19	1 467	237	56	—	—	20	590	1 002
Other engineering and science technicians	—	—	—	—	—	—	—	—	—	149	114	—	235	1 313
Technicians, exc. health, and eng. and science	59	—	21	—	301	—	590	36	56	—	—	—	—	—
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Embalmers	—	—	—	—	262	—	36	—	—	—	—	—	—	—
Radio operators and air traffic controllers	20	—	—	—	—	—	—	—	—	—	—	—	—	870
Other technicians, exc. health, and eng. and science	39	—	21	—	39	—	554	—	56	149	114	—	235	443
Writers, artists, and entertainers	979	—	26	132	471	4 936	18 070	63	62	327	415	791	1 315	1 338
Other professional, technical, and kindred workers	244	—	479	—	—	2 056	—	244	136	4 164	930	227	12 349	2 288
Managers and administrators, except farm	2 066	2 009	558	1 261	5 769	1 955	19 367	1 537	898	8 781	2 260	4 544	1 347	14 141
Buyers, purchasing agents, and sales managers	65	28	19	23	38	22	244	127	40	33	23	21	—	630
Other managers and administrators	2 001	1 981	539	1 238	5 731	1 933	19 123	1 410	858	8 748	2 237	4 523	1 347	13 511
Salaries	1 351	1 351	308	938	3 277	1 183	18 841	1 410	746	8 748	2 125	4 503	1 309	13 511
Self-employed	646	630	231	300	2 454	750	282	—	112	—	112	20	38	—
Sales workers	711	155	100	31	305	227	726	60	22	42	155	242	205	419
Newsboys	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified sales workers	241	—	79	—	63	81	198	—	—	19	23	41	115	61
Salesmen and sales clerks, n.e.c.	470	155	21	31	242	146	528	60	22	23	132	201	90	358



Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

Occupation	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services	
							Hospitals	Health services, except hospitals	Government				Private
Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, and nonprofit organizations	Other professional and related services							
<b>United States</b>													
<b>NEGRO—Continued</b>													
<b>Male, employed—Continued</b>													
<b>Labors, except farm</b>													
Construction laborers	2 939	5 496	3 225	1 553	24 841	5 091	2 434	503	3 355	1 659	2 127	1 542	33 045
Freight, stock, and material handlers	179	21	119	71	251	64	285	—	199	140	315	98	1 508
Vehicle washers and equipment cleaners	915	65	177	84	663	250	769	43	451	140	464	94	17 878
Other specified laborers	200	101	198	45	271	—	198	210	1 993	1 046	555	1 052	638
Miscellaneous laborers	138	138	321	16	19 341	4 379	824	35	1 993	22	45	24	8 274
Not specified laborers	1 356	288	357	533	3 794	290	329	215	654	258	748	274	736
<b>Farm workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Service workers, including private household</b>	29 294	642	6 070	26 790	47 822	17 196	69 868	9 962	48 471	19 074	15 780	19 424	66 961
Cleaning service workers	21 281	479	675	10 110	3 792	5 738	22 327	4 273	41 324	13 785	11 347	1 530	21 482
Food service workers	155	23	51	11 623	93	4 808	11 201	1 580	3 475	3 149	2 008	92	2 986
Health service workers	46	—	—	22	—	41	32 384	3 421	133	82	51	—	325
Personal service workers	303	13	25	4 924	18 445	3 322	1 956	345	1 442	960	1 688	71	2 081
Guards and watchmen	6 578	80	22	87	277	268	1 608	298	1 634	926	332	67	8 139
Other service workers, including private household	931	47	5 297	24	25 215	2 949	392	45	463	172	354	17 664	31 948
<b>Female, employed</b>	41 074	3 162	11 873	70 680	764 017	15 385	338 347	109 882	310 907	86 816	70 269	107 963	195 434
<b>Professional, technical, and kindred workers</b>	3 435	57	450	272	4 135	2 684	66 074	17 782	168 592	30 734	19 954	29 697	18 325
Accountants	301	11	25	18	20	19	146	30	185	120	252	368	2 801
Computer specialists	299	26	38	—	31	—	30	20	69	83	19	138	881
Engineers	26	—	—	—	—	—	18	—	4	—	—	47	220
Librarians, archivists, and curators	—	—	—	—	—	—	42	—	4	150	68	61	322
Life and physical scientists	55	—	—	—	—	—	384	181	91	58	—	123	310
Physicians, dentists, and related practitioners	—	—	—	—	—	—	610	460	22	47	—	—	21
Registered nurses, dietitians, and therapists	644	—	19	102	2 966	—	49 087	13 173	2 031	890	699	162	1 183
Health technologists and technicians	—	—	—	—	—	—	11 974	2 224	448	309	19	19	140
Social scientists	48	—	—	—	—	—	204	103	277	35	103	68	297
Social and recreation workers	108	—	—	39	43	1 127	1 492	611	2 516	535	15 182	260	3 728
Teachers, except college and university	16	20	—	21	—	384	509	161	147	223	732	17	603
Engineering and science technicians	307	—	—	—	—	—	328	136	374	254	23	322	586
Technicians, exc. health, and engineering and science	—	—	—	—	93	—	174	141	114	38	41	—	558
Writers, artists, and entertainers	425	—	—	60	246	765	85	50	351	436	41	210	757
Other professional, technical, and kindred workers	1 206	—	368	32	736	389	1 165	492	9 951	3 656	2 380	27 902	5 918
<b>Managers and administrators, except farm</b>	656	76	174	837	1 965	488	1 446	1 035	6 754	2 368	2 526	1 151	5 923
Buyers, purchasing agents, and sales managers	60	—	—	—	13	—	184	26	139	18	23	15	466
Other managers and administrators	596	76	174	837	1 952	488	1 262	1 009	6 615	2 350	2 503	1 136	5 457
Salaried	519	17	85	506	1 056	434	1 282	699	6 615	2 098	2 487	1 096	5 457
Self-employed	77	59	89	331	896	54	—	310	—	252	16	40	—
<b>Sales workers</b>	178	37	180	38	530	299	307	95	193	210	454	304	295
<b>Clerical and kindred workers</b>	18 701	1 085	4 391	2 707	14 359	2 301	34 226	10 408	59 570	18 905	25 380	29 155	138 500
Billing clerks	—	20	—	—	43	—	241	73	39	21	18	66	110
Bookkeepers	851	143	220	207	805	67	840	467	1 301	571	1 574	782	4 313
Cashiers	88	205	64	455	1 479	695	1 078	53	1 150	448	256	80	515
Counter clerks, except food	69	118	46	580	4 741	50	280	19	1 117	157	98	69	136
File clerks	1 738	83	121	61	340	84	2 779	568	2 038	478	1 727	636	9 402
Office machine operators	3 027	32	21	16	217	72	1 108	136	868	748	630	1 973	8 517
Bookkeeping and billing machine operators	38	17	—	18	20	—	32	—	34	44	63	—	365
Keypunch operators	2 379	15	21	20	140	72	908	21	536	459	467	1 697	6 090





Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Agriculture, forestry, and fisheries		Mining	Construction		Manufacturing						Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
	Total, 16 years old and over	Male		Total	Special trade contractors	Lumber and wood products, except furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical			
<b>SPANISH ORIGIN—Continued</b>														
<b>Male, employed—Continued</b>														
Clerical and kindred workers														
Bookkeepers	141 474	502	546	2 471	787	868	1 118	686	2 239	2 375	3 438	1 273		
Cashiers	11 292	219	111	520	158	62	24	57	96	154	232	60		
Estimators and investigators, n.e.c.	7 035	—	—	19	—	—	—	—	47	16	—	41		
Office machine operators	3 356	—	—	523	260	—	—	19	64	119	133	24		
Secretaries, stenographers, and typists	5 107	17	74	100	22	40	19	21	20	75	119	41		
Shipping and receiving clerks	22 688	60	25	243	83	265	322	188	985	719	1 021	240		
Stock clerks and storekeepers	15 196	—	107	263	84	146	180	152	252	365	764	502		
Other clerical and kindred workers	69 029	206	229	743	180	355	573	249	662	849	1 131	406		
Craftsmen and kindred workers	382 344	2 958	5 046	92 205	48 834	4 015	11 032	3 715	10 768	11 900	8 070	5 366		
Construction craftsmen	110 293	1 283	1 414	72 165	40 734	889	1 578	287	1 333	1 676	905	713		
Brickmasons and stonemasons	6 423	40	270	5 552	3 313	132	207	24	137	122	61	68		
Carpenters	31 234	339	209	20 999	6 431	19	281	70	219	255	577	186		
Electricians	13 422	53	687	8 057	4 909	341	359	30	23	42	19	51		
Excavating, grading and road machine operators	20 623	66	107	12 958	11 293	53	85	59	276	125	226	267		
Painters (const. & maint.), plasterers, & paperhangers	11 487	140	104	6 846	5 280	45	193	81	132	109	22	124		
Plumbers and pipefitters	14 632	39	37	12 453	8 280	170	41	23	527	23	—	17		
Other construction craftsmen	41 418	732	724	4 490	1 408	905	1 173	629	2 117	1 631	1 904	774		
Foremen, n.e.c.	99 305	604	470	3 792	2 301	1 004	1 218	693	1 263	2 488	1 969	2 138		
Mechanics and repairmen	41 158	126	250	3 370	67	219	19	46	91	99	24	1 728		
Automobile, including body	36 097	—	294	2 063	1 709	341	4 257	1 523	4 911	6 561	2 427	1 445		
Metal craftsmen, except mechanics	20 571	—	207	2 063	82	341	292	194	292	5 469	1 863	1 042		
Machinists, job setters, and toolmakers	1 796	—	41	207	98	189	996	618	2 675	5 163	2 23	39		
Blacksmiths, forgemen, hammermen, boilermakers	13 730	—	46	1 176	88	—	301	129	2 675	929	571	364		
Other metal craftsmen	4 418	—	19	1 680	1 529	—	2 960	776	1 951	100	67	—		
Printing craftsmen	4 122	—	277	1 311	56	40	38	17	188	13	38	—		
Stationary engineers and power station operators	76 116	339	842	9 402	2 569	798	2 665	505	872	431	760	296		
Other craftsmen and kindred workers	378 118	2 289	10 586	9 914	4 607	8 484	13 760	8 165	27 608	23 224	20 732	17 971		
Operatives, except transport	34 084	61	—	123	46	228	220	140	2 643	3 822	5 982	7 516		
Assemblers	11 847	—	—	43	—	472	402	316	2 643	1 138	1 979	3 323		
Checkers, examiners, and inspectors, manufacturing	6 577	—	43	74	—	204	94	59	1 383	485	275	509		
Filters, polishers, sanders, and buffers	9 418	—	—	—	—	204	229	94	1 383	485	275	509		
Painters, manufactured articles	14 248	—	—	—	—	113	145	90	802	578	489	990		
Precision machine operators	2 649	—	—	60	18	69	1 434	517	1 945	4 546	910	962		
Drill press operators	4 713	—	—	—	—	36	—	—	328	854	403	134		
Grinding machine operators	4 673	—	—	—	—	—	—	—	591	1 160	403	143		
Lathe and milling machine operators	8 272	—	—	40	18	33	1 052	314	511	1 484	121	547		
Punch and stamping press operators	1 180	—	—	155	96	54	236	88	511	1 048	100	88		
Solderers	2 457	—	—	25	25	20	21	29	226	110	265	95		
Stationary firemen	27 989	232	437	2 757	1 385	305	138	45	47	79	20	—		
Welders and flame-cutters	143 985	746	10 038	4 393	2 322	639	1 842	485	4 079	3 536	1 110	2 038		
Other specified operatives	43 352	624	—	931	348	1 727	3 113	1 598	3 917	2 074	2 340	679		
Machine operatives, miscellaneous specified	34 402	779	22	82	348	259	2 258	1 433	2 944	1 433	1 582	1 090		
Machine operatives, not specified	28 800	314	—	363	122	868	1 221	1 658	3 775	2 740	2 137	1 697		
Miscellaneous operatives	11 507	110	21	185	120	675	1 406	853	1 818	1 460	841	339		
Not specified operatives	126 219	2 593	2 594	7 743	1 327	2 891	1 236	886	1 785	933	817	1 013		
Transport equipment operatives	27 512	352	82	389	104	217	83	17	288	63	89	15		
Fork lift and tow motor operatives	13 045	84	30	245	58	810	451	383	742	418	443	573		
Truck drivers	59 272	2 048	1 980	6 532	1 102	1 828	356	397	577	325	214	102		
Other transport equipment operatives	26 390	109	482	577	63	36	346	89	178	127	71	—		







Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Rail roads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>	23 367	15 437	6 037	41 221	61 946	14 076	25 940	17 971	26 580	22 366	16 752	31 894	148 331	20 986	36 973	43 165
<b>SPANISH ORIGIN—Continued</b>																
<b>Male, employed</b>																
Accountants	3 279	360	1 031	2 132	1 108	339	439	368	1 877	2 963	549	1 220	5 566	236	272	1 494
Architects	138	17	63	130	139	61	63	82	99	164	68	209	651	21	39	349
Computer specialists	103	24	58	—	80	—	—	—	55	38	17	37	221	24	—	57
Engineers	1 527	116	497	424	229	120	18	40	14	501	171	207	1 111	41	—	216
Aeronautical and astronautical	677	—	58	—	—	—	—	—	—	—	—	—	53	—	—	53
Chemical	18	—	—	21	62	18	—	—	—	270	—	58	19	19	—	22
Civil	217	21	23	64	—	—	—	20	14	25	28	18	96	—	—	51
Electrical and electronic	249	60	120	122	105	56	18	20	—	74	79	23	684	—	—	51
Industrial	218	16	132	67	42	46	—	—	—	18	42	47	131	22	—	90
Mechanical	148	19	79	150	20	—	—	—	—	94	22	61	74	—	—	—
Other engineers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lawyers and judges	—	—	—	—	—	—	—	—	—	27	—	18	39	—	—	21
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	76	24	20	41	77	19	—	—	—	859	87	18	45	22	—	—
Chemists	39	24	—	19	77	19	—	—	—	793	87	18	41	23	—	—
Operations and systems researchers and analysts	172	20	—	39	—	—	—	—	—	21	—	—	66	23	—	22
Personnel and labor relations workers	78	—	45	44	62	—	20	59	18	22	42	87	300	20	141	58
Physicians, dentists, and related practitioners	—	—	—	—	—	—	20	—	—	21	—	—	—	—	—	—
Dentists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pharmacists	—	—	—	—	—	—	20	—	—	—	—	—	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	—	—	—	—	—	21	—	—	—	—	—	—
Other related practitioners	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	23	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	—	—	19	—	—	—	—	—	—	—	—	—	—	—	—
Religious workers	—	—	—	—	39	—	—	—	23	—	—	—	—	—	—	—
Social scientists	56	—	—	—	—	—	—	—	19	54	—	—	—	—	—	—
Social and recreation workers	—	—	—	—	16	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers and science technicians	767	100	282	356	362	76	77	146	58	1 026	81	220	1 125	85	20	54
Draftsmen	378	79	49	258	39	14	77	35	58	41	—	35	361	85	38	38
Electrical and electronic engineering technicians	126	—	182	35	26	—	—	—	—	—	—	—	494	—	16	—
Industrial and mechanical engineering technicians	62	—	—	—	—	—	—	23	—	—	59	—	—	—	—	—
Other engineering and science technicians	201	21	51	63	297	62	—	88	—	985	22	185	270	—	20	—
Technicians, exc. health, and eng. and science	34	22	—	—	—	—	—	—	—	—	—	—	—	—	49	546
Airplane pilots	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	451
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	34	22	45	282	38	63	241	—	1 556	62	44	81	186	—	49	34
Writers, artists, and entertainers	268	—	21	754	66	—	—	—	—	168	39	343	675	—	—	61
Other professional, technical, and kindred workers	60	15	—	—	—	—	—	41	35	—	—	—	370	—	—	28
Managers and administrators, except farm	499	267	176	1 103	1 175	168	905	182	1 049	605	379	864	5 550	599	1 083	2 075
Buyers, purchasing agents, and sales managers	173	61	65	185	185	168	21	182	474	85	—	108	320	19	20	162
Other managers and administrators	326	206	176	1 038	990	168	884	182	575	520	379	756	5 230	580	1 063	1 913
Salaries	326	151	176	864	945	148	746	182	412	502	362	658	4 488	580	742	1 661
Self-employed	—	55	—	174	45	20	138	—	163	18	17	98	742	—	321	252
Sales workers	41	17	23	435	1 524	41	131	126	1 749	918	102	1 043	995	63	120	271
Newsboys	—	—	—	—	—	—	—	—	1 005	—	—	—	—	—	—	—
Other specified sales workers	20	—	23	72	64	—	21	—	76	22	—	700	255	39	—	—
Salesmen and sales clerks, n.e.c.	21	17	—	363	1 460	41	131	105	668	896	102	343	740	24	120	271

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Note based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Other durable goods	Ordnance	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>	1 605	3 447	3 027	3 124	2 716	9 627	3 124	1 209	2 589	1 674	1 098	2 050	15 501	1 730	2 824	6 178
<b>SPANISH ORIGIN—Continued</b>	58	22	200	150	361	79	150	42	266	214	31	128	870	23	144	461
Male, employed—Continued	21	—	18	17	56	—	17	19	91	—	20	—	459	57	41	335
Clerical and kindred workers	123	—	15	48	111	—	48	44	191	123	18	—	366	91	84	84
Bookkeepers	267	32	106	79	98	—	33	44	461	43	65	101	468	56	40	163
Cashiers	40	—	—	—	—	—	—	—	—	—	—	—	848	99	63	483
Estimators and investigators, n.e.c.	267	32	106	79	98	—	33	44	461	43	65	101	468	56	40	163
Office machine operators	40	—	—	—	—	—	—	—	—	—	—	—	848	99	63	483
Secretaries, stenographers, and typists	179	83	1 090	2 026	1 001	595	2 026	512	461	588	177	183	2 441	216	1 259	803
Shipping and receiving clerks	320	84	1 097	612	232	42	157	177	232	183	183	1 316	247	282	495	44
Stock clerks and storekeepers	597	126	244	391	809	246	391	1 424	531	359	1 025	8 733	941	911	3 406	779
Other clerical and kindred workers	7 124	6 922	8 977	5 029	10 051	2 392	5 029	3 052	12 977	2 969	2 718	5 405	33 561	7 227	3 182	6 885
Craftsmen and kindred workers	947	4 053	3 388	71	692	1 998	71	263	89	710	234	670	4 224	1 005	211	6 662
Construction craftsmen	19	18	—	36	138	19	36	60	—	44	44	39	18	—	47	53
Brickmasons and stonemasons	58	1 952	188	14	232	110	14	139	43	215	40	130	410	201	—	328
Carpenters	464	474	96	44	150	—	44	20	—	215	21	39	812	187	102	—
Electricians	—	26	—	—	—	—	—	—	—	173	23	84	423	128	—	240
Excavating, grading and road machine operators	306	701	58	21	103	—	21	19	46	173	106	210	834	153	—	41
Painters (const. & maint.), plasterers, & paperhangers	60	632	46	—	50	69	—	25	—	22	—	20	162	15	17	—
Plumbers and pipefitters	40	230	—	—	19	—	—	—	—	372	1 372	931	3 437	952	787	532
Other construction craftsmen	624	512	1 445	1 089	2 560	758	1 089	786	756	936	3 722	936	11 880	2 619	1 891	4 799
Foremen, n.e.c.	2 155	417	878	650	2 484	714	650	690	366	788	659	660	2 988	63	1 646	1 046
Mechanics and repairmen	34	—	20	25	284	18	25	—	22	—	56	108	2 988	—	—	—
Automobile, including body	3 136	1 223	1 087	127	315	143	127	291	126	247	369	357	1 273	863	21	282
Metal craftsmen, except mechanics	1 845	300	743	107	222	123	107	291	105	143	349	275	761	607	—	113
Machinists, job setters, and toolmakers	21	38	23	20	—	—	20	—	—	20	20	43	177	113	—	23
Blacksmiths, forgemen, hammermen, boilermakers	1 270	885	321	93	93	20	93	—	21	84	20	39	335	143	21	146
Other metal craftsmen	17	26	46	135	40	143	135	891	11 470	23	21	20	41	—	—	—
Printing craftsmen	65	19	40	—	188	19	—	19	—	90	—	82	3 437	—	59	120
Stationary engineers and power station operators	180	672	5 041	2 957	3 808	417	2 957	112	170	175	63	2 661	11 330	1 788	213	468
Other craftsmen and kindred workers	9 556	5 928	19 981	13 472	26 037	8 485	13 472	10 152	3 876	9 191	9 672	16 102	9 048	1 899	1 063	3 447
Operatives, except transport	2 720	994	1 735	101	355	82	101	351	89	170	386	426	1 156	104	24	28
Assemblers	932	119	563	305	473	291	305	183	78	216	479	1 017	—	—	—	19
Checkers, examiners, and inspectors, manufacturing	161	106	995	121	42	—	121	—	—	126	32	168	19	—	—	—
Filers, polishers, sanders, and buffers	220	286	575	104	88	68	104	52	—	88	143	167	19	—	19	—
Painters, manufactured articles	1 317	149	520	—	77	39	—	20	—	147	121	157	55	19	—	36
Precision machine operatives	241	36	184	—	20	20	—	—	—	—	20	53	17	—	—	17
Drill press operatives	362	90	41	—	56	20	—	—	—	44	18	79	19	—	—	19
Grinding machine operatives	40	23	199	—	21	19	—	20	—	85	64	25	19	—	—	—
Lathe and milling machine operatives	211	18	62	—	28	25	—	—	19	18	103	109	48	—	—	28
Precision machine operatives, n.e.c.	—	—	329	—	—	—	—	—	—	40	103	109	48	—	—	—
Punch and stamping press operatives	22	44	170	—	—	—	—	—	—	19	—	18	19	—	—	—
Solderers	—	—	62	—	—	—	—	—	—	160	—	18	360	63	—	73
Stationary firemen	822	2 091	284	59	112	41	—	45	—	222	19	350	966	420	73	134
Welders and flame-cutters	647	502	7 097	10 036	13 321	7 939	10 036	2 683	1 299	2 510	1 576	7 804	3 599	1 444	614	2 263
Other specified operatives	750	496	3 366	806	5 551	—	806	3 706	766	2 596	3 608	2 019	5 778	1 112	64	43
Machine operatives, miscellaneous specified	835	267	394	510	2 621	—	510	2 024	642	1 728	2 010	1 607	956	489	50	44
Machine operatives, not specified	634	638	1 041	912	879	—	912	833	83	680	801	313	2 033	420	175	779
Miscellaneous operatives	285	218	188	518	2 754	—	518	206	83	489	394	824	2 40	108	44	—
Not specified operatives	484	278	104	875	8 066	338	875	1 147	936	1 247	588	1 283	42 677	2 333	21 369	13 452
Transport equipment operatives	56	15	317	427	3 612	103	427	135	436	250	19	282	2 481	42	2 150	147
Deliverymen and routemen	224	182	315	38	1 950	19	38	547	87	402	328	116	1 220	161	873	165
Fork lift and low motor operatives	169	81	294	345	2 221	153	345	444	396	528	181	361	22 802	669	18 205	549
Truck drivers	—	—	42	65	2 283	63	65	21	17	67	80	524	16 174	1 461	141	12 591
Other transport equipment operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text]

	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>																
<b>SPANISH ORIGIN—Continued</b>																
<b>Male, employed—Continued</b>																
<b>Labors, except farm</b>																
Construction laborers	395	1 108	195	2 472	7 670	890	1 080	1 257	736	1 781	973	2 675	6 153	6 373	5 974	
Freight, stock, and material handlers	133	324	34	43	55	—	—	—	—	20	98	98	275	18	40	
Vehicle washers and equipment cleaners	47	139	19	696	3 588	502	860	647	416	898	442	465	667	5 634	4 479	
Other specified laborers	49	—	20	130	671	78	15	30	68	66	42	68	328	126	754	
Miscellaneous laborers	68	113	38	985	85	—	18	39	42	93	72	954	38	135	67	
Not specified laborers	98	397	84	61	500	67	17	14	17	90	113	—	3 405	45	216	
				557	2 791	243	170	527	193	614	304	1 002	1 440	415	418	
<b>Farm workers</b>																
<b>Service workers, including private household</b>																
Cleaning service workers	384	210	229	1 572	3 599	461	885	478	791	1 018	673	1 252	746	687	3 389	
Food service workers	316	153	209	745	2 802	396	548	435	610	805	621	784	398	475	1 445	
Health service workers	26	19	—	34	463	—	58	—	57	17	—	20	77	20	1 082	
Personal service workers	—	—	—	—	85	—	120	—	14	39	—	20	76	—	35	
Guards and watchmen	22	20	—	84	193	65	159	23	63	116	52	22	73	113	594	
Other service workers, including private household	20	18	20	709	96	—	—	20	47	41	—	374	122	40	137	
<b>Female, employed</b>																
<b>Professional, technical, and kindred workers</b>																
Accountants	4 256	1 587	1 693	26 869	24 484	11 444	93 846	6 880	11 407	7 156	8 532	24 035	1 022	2 954	8 309	
Computer specialists	213	—	14	384	218	64	538	40	701	384	67	128	25	39	311	
Engineers	18	—	—	22	62	—	22	16	52	39	23	29	25	—	128	
Librarians, archivists, and curators	18	—	—	—	—	—	—	—	—	21	—	16	—	21	19	
Life and physical scientists	—	—	—	—	—	—	—	—	—	19	—	—	—	—	—	
Physicians, dentists, and related practitioners	—	—	—	13	—	—	—	—	—	68	—	—	—	—	23	
Registered nurses, dietitians, and therapists	—	—	—	—	19	—	41	—	—	24	—	—	—	—	—	
Health technologists and technicians	—	—	—	—	—	—	—	—	—	—	—	18	—	—	17	
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Teachers, except college and university	—	—	—	22	—	45	93	—	—	14	—	—	—	—	—	
Engineering and science technicians	65	—	—	79	137	19	40	—	88	157	—	—	—	—	—	
Technicians, exc. health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	27	—	14	170	—	—	333	—	521	18	—	—	—	18	—	
Other professional, technical, and kindred workers	85	—	—	78	—	—	9	24	40	24	44	44	—	—	—	
<b>Managers and administrators, except farm</b>																
Buyers, purchasing agents, and sales managers	—	—	—	18	121	—	277	56	146	87	—	154	—	139	390	
Other managers and administrators	—	—	—	18	121	—	34	36	22	87	—	154	—	139	390	
Salaried	—	—	—	18	121	—	243	20	124	87	—	136	—	104	364	
Self-employed	—	—	—	—	67	—	79	—	—	—	—	18	—	35	26	
<b>Sales workers</b>																
Clerical and kindred workers	1 560	329	522	3 890	2 651	730	3 349	950	4 633	2 635	1 078	2 859	515	2 048	4 773	
Billing clerks	21	42	23	24	508	37	77	21	42	40	—	—	—	—	92	
Bookkeepers	—	—	—	260	20	50	478	79	516	335	38	267	61	424	503	
Cashiers	16	—	—	69	20	—	—	—	—	15	—	—	—	81	64	
Counter clerks, except food	98	—	19	62	—	—	55	21	201	38	—	29	—	—	170	
File clerks	194	19	42	219	90	43	171	20	275	180	68	100	44	136	170	
Office machine operators	18	—	—	240	296	44	175	109	433	138	119	206	61	223	333	
Bookkeeping and billing machine operators	143	19	42	195	235	44	128	76	219	118	63	164	38	203	276	
Keypunch operators	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

Occupation	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Ord-nance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chem-icals and allied prod-ucts	Rubber and miscel-laneous plastic prod-ucts	Other non-durable goods	Total	Rail-roads and railway express service	Trucking service and ware-housing	Other transpor-tation
<b>United States</b>																
<b>SPANISH ORIGIN—Continued</b>																
<b>Female, employed—Continued</b>																
<b>Clerical and kindred workers—Continued</b>																
Payroll and timekeeping clerks.....	16	20	20	20	89	40	281	54	18	43	50	59	56	20	124	
Receptionists.....	23	—	—	54	26	27	166	44	56	—	26	24	80	—	906	
Secretaries.....	627	196	23	666	628	138	606	320	1 032	1 186	295	754	19	58	61	
Statistical clerks.....	45	23	23	22	42	—	15	—	58	32	18	19	35	—	48	
Stenographers.....	—	—	—	2	15	—	90	—	65	24	21	—	—	88	63	
Telephone operators.....	204	55	99	518	155	157	152	75	713	313	128	198	120	193	829	
Typists.....	332	72	77	692	766	194	1 064	207	1 182	291	315	203	39	357	1 580	
Other clerical and kindred workers.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Craftsmen and kindred workers</b>	257	240	—	1 299	902	401	3 031	265	1 964	197	270	969	109	74	156	
Foremen, n.e.c.....	22	—	—	347	362	245	1 639	55	124	88	93	153	20	24	19	
Mechanics and repairmen.....	39	—	—	80	22	41	80	63	—	—	16	25	17	50	113	
Printing craftsmen.....	—	—	—	23	21	—	—	147	1 820	—	—	—	—	—	—	
<b>Operatives, except transport</b>	2 139	869	1 070	20 199	18 781	9 834	85 493	5 206	3 157	3 483	6 901	19 178	61	316	195	
Assemblers.....	1 080	312	291	5 029	5 711	68	244	391	228	598	835	826	—	17	29	
Bottling and canning operatives.....	—	—	—	—	1 369	—	—	—	19	54	31	744	—	—	—	
Checkers, examiners, inspectors, manufacturing.....	97	73	234	887	596	637	2 593	278	340	357	587	165	—	—	64	
Graders and sorters, manufacturing.....	—	—	—	41	1 171	100	—	56	25	—	—	844	—	—	—	
Packers and wrappers, except factory and farm.....	22	18	20	1 892	8 498	560	1 686	1 346	410	1 120	1 226	—	—	19	—	
Produce graders and packers, exc. factory and farm.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mixing operatives.....	—	—	28	—	20	—	—	—	—	113	24	20	—	—	—	
Sewers and stitchers.....	89	37	12	1 185	54	3 136	69 125	125	203	94	365	3 457	—	—	82	
Other specified operatives.....	413	260	149	4 821	2 104	5 333	4 599	398	234	234	468	9 109	36	26	20	
Machine operatives, miscellaneous specified.....	231	78	69	1 815	1 556	—	1 628	1 265	421	422	1 894	1 165	—	60	—	
Machine operatives, not specified.....	83	—	193	1 866	1 465	—	764	900	881	307	868	845	—	128	—	
Miscellaneous operatives.....	79	82	53	1 742	1 726	—	1 284	256	320	103	337	1 201	25	—	—	
Not specified operatives.....	45	—	21	921	651	—	3 284	191	76	81	266	1 765	—	—	—	
<b>Transport equipment operatives</b>	—	—	—	55	59	21	39	64	13	37	—	55	72	122	1 173	
Deliverymen and routemen.....	—	—	—	—	16	—	23	—	13	—	—	15	—	18	—	
<b>Laborers, except farm</b>	23	87	44	490	820	318	581	282	142	195	141	377	76	154	54	
<b>Farm workers</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Service workers, except private household<sup>1</sup></b>	64	62	43	369	582	52	301	17	208	61	75	164	139	21	1 086	
Cleaners and charwomen.....	45	62	25	92	185	52	97	—	115	61	24	58	122	21	88	
Food service workers.....	17	22	—	40	34	18	54	—	98	61	—	—	20	21	47	
Waiters and food counter workers.....	—	—	—	19	333	—	78	17	34	—	—	—	—	—	153	
Health service workers.....	—	—	—	—	39	—	—	—	—	—	—	—	—	—	—	
Personal service workers.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Protective service workers.....	19	—	—	99	18	—	106	—	—	—	—	41	17	—	823	
Private household workers.....	—	—	18	20	25	—	20	—	—	—	—	—	—	—	22	

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate			
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General merchan-dise stores	Auto-motive dealers and gasoline stations	Apparel and acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>United States</b>													
<b>SPANISH ORIGIN—Continued</b>													
<b>Male, employed</b>	11 560	28 676	92 497	32 407	269 653	51 530	11 901	64 123	63 688	57 534	16 631	12 837	28 066
Professional, technical, and kindred workers	1 804	1 405	2 250	420	4 617	171	142	875	2 616	3 438	1 654	868	916
Accountants	109	107	548	169	516	111	26	60	150	1 524	798	355	371
Architects	—	—	—	—	—	—	—	—	—	41	21	—	20
Computer specialists	81	59	106	25	79	18	—	—	17	388	179	133	76
Engineers	409	421	337	20	129	18	21	—	90	188	20	119	49
Aeronautical and astronautical	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemical	—	19	12	—	—	—	—	—	—	—	—	—	—
Civil	—	55	62	20	—	—	—	—	—	66	—	35	31
Electrical and electronic	387	246	63	—	19	—	—	—	19	—	—	—	—
Industrial	—	30	—	—	39	—	—	—	21	84	—	84	—
Mechanical	—	19	—	—	40	—	21	—	19	—	—	—	—
Other engineers	22	52	200	—	31	—	—	—	31	38	20	—	18
Lawyers and judges	18	—	—	—	—	—	—	—	—	65	19	18	28
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	23	—	—	—	—	—	—	—	—	60	—	60	—
Life and physical scientists	—	18	84	—	20	—	—	—	20	25	—	25	—
Chemists	—	18	84	—	20	—	—	—	20	—	—	—	—
Operations and systems researchers and analysts	—	21	—	—	—	—	—	—	—	123	89	34	—
Personnel and labor relations workers	37	44	112	55	283	21	—	—	59	236	195	18	41
Physicians, dentists, and related practitioners	—	—	—	—	1 440	—	—	—	1 440	18	—	—	—
Dentists	—	—	—	—	—	—	—	—	—	—	—	—	—
Pharmacists	—	—	—	—	1 401	—	—	—	1 401	18	—	—	—
Physicians, medical and osteopathic	—	—	—	—	25	—	—	—	25	—	—	—	—
Other related practitioners	—	—	—	—	14	—	—	—	14	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	—	21	—	25	—	—	—	25	—	—	—	—
Religious workers	—	—	46	—	23	—	—	—	23	103	81	22	—
Social scientists	—	—	—	—	—	—	—	—	—	78	18	—	—
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	—	21	19	—	165	—	—	—	165	—	—	—	—
Teachers, except college and university	417	549	441	—	137	—	—	—	42	294	103	43	148
Engineering and science technicians	44	194	216	—	101	—	—	—	42	166	60	43	63
Draftsmen	353	125	107	—	—	—	—	—	—	66	43	—	23
Electrical and electronic engineering technicians	—	—	—	—	22	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	14	—	—	—	—	62	—	—	62
Other engineering and science technicians	20	230	118	—	—	—	—	—	—	—	—	—	—
Technicians, exc. health, and eng. and science	233	73	20	—	37	—	—	18	—	—	—	—	—
Airplane pilots	—	17	—	—	—	—	—	—	—	—	—	—	—
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	164	56	20	—	18	—	—	18	—	—	—	—	—
Other technicians, exc. health, and eng. and science	69	55	258	104	1 365	—	—	797	287	212	109	41	62
Writers, artists, and entertainers	477	37	258	47	398	21	—	—	298	143	22	—	121
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm	776	676	8 104	2 141	35 554	7 157	1 868	6 944	7 060	9 317	4 566	1 183	3 564
Buyers, purchasing agents, and sales managers	89	30	1 789	650	5 513	567	493	1 333	1 127	397	22	231	144
Other managers and administrators	687	646	6 315	1 491	30 041	6 590	1 375	6 811	5 933	8 916	4 544	952	3 420
Salaried	687	605	5 090	1 170	18 689	4 088	1 085	3 912	4 047	8 543	4 501	926	3 116
Self-employed	—	41	1 225	321	11 352	2 522	290	2 899	1 886	3 737	43	26	304
<b>Sales workers</b>	305	154	10 209	2 461	42 148	7 665	5 714	867	14 575	11 109	111	7 089	3 909
Newsboys	—	—	—	—	82	—	—	—	42	—	—	—	—
Other specified sales workers	152	—	271	56	2 876	—	—	—	1 865	11 109	111	7 089	3 909
Salesmen and sales clerks, n.e.c.	153	154	9 938	2 405	39 190	7 665	5 714	867	12 668	—	—	—	—

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	Transport, comm., and other public utilities—Can.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	General mer-chan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>United States</b>	1 290	2 817	11 480	2 053	19 185	4 104	6 697	1 112	938	1 357	14 751	8 199	2 651	3 901
<b>SPANISH ORIGIN—Continued</b>	52	171	1 202	403	1 597	151	266	371	151	127	1 765	1 168	178	419
Bookkeepers.....	—	26	80	61	5 311	354	3 555	129	125	744	145	18	—	127
Cashiers.....	59	100	231	17	399	114	20	26	54	—	2 327	373	104	154
Estimators and investigators, n.e.c.....	115	146	473	93	254	239	32	21	19	—	41	1 520	423	384
Office machine operators.....	20	62	344	38	2 724	71	47	73	236	20	208	350	85	282
Secretaries, stenographers, and typists.....	152	101	4 134	658	4 220	1 217	454	73	240	171	44	44	102	62
Shipping and receiving clerks.....	847	140	1 749	310	4 449	1 173	1 540	148	240	295	8 917	4 705	1 759	2 453
Stock clerks and storekeepers.....	—	2 071	3 371	471	—	1 785	1 783	323	113	—	—	—	—	—
Other clerical and kindred workers.....	6 386	8 740	12 559	3 000	36 046	3 710	2 855	15 039	1 529	587	2 620	376	182	2 112
<b>Craftsmen and kindred workers</b> .....	156	2 190	1 079	147	2 155	208	48	283	29	77	1 200	62	16	1 18
Construction craftsmen.....	—	18	20	—	43	—	—	—	—	—	18	—	—	18
Brickmasons and stonemasons.....	—	109	222	—	735	129	48	72	29	—	356	18	—	356
Carpenters.....	67	804	149	18	149	20	—	—	—	—	128	—	—	94
Electricians.....	23	500	110	55	43	22	—	—	—	77	77	—	—	77
Excavating, grading and road machine operators.....	—	55	280	74	530	16	—	188	—	77	466	44	—	422
Painters (const. & maint.), plasterers, & paperhangers.....	66	615	149	—	267	21	—	23	—	—	136	—	—	136
Plumbers and pipefitters.....	—	89	165	—	386	—	—	—	—	—	19	—	—	19
Other construction craftsmen.....	140	1 026	3 358	1 347	2 267	597	401	297	116	39	428	82	44	302
Foremen, n.e.c.....	300	2 251	4 115	575	19 622	1 421	210	14 117	—	148	390	63	22	305
Mechanics and repairmen.....	—	233	1 289	233	14 546	368	150	13 759	—	18	22	—	—	—
Automobile, including body.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics.....	—	83	639	44	296	38	—	40	20	21	42	20	—	22
Machinists, lathe setters, and toolmakers.....	—	17	389	44	138	—	—	40	20	21	20	20	—	22
Blacksmiths, forgemen, hammer, boiler-makers.....	—	41	21	—	60	—	—	—	—	—	22	—	—	—
Other metal craftsmen.....	—	25	229	—	98	38	—	—	—	—	139	78	61	—
Printing craftsmen.....	—	19	166	49	17	39	—	19	20	24	150	—	—	150
Stationary engineers and power station operators.....	42	1 139	148	83	60	—	—	—	—	—	271	21	39	211
Other craftsmen and kindred workers.....	5 748	2 032	3 054	755	11 525	1 407	2 179	283	1 344	278	6 034	21	—	289
<b>Operatives, except transport</b> .....	307	1 681	16 826	8 577	31 225	550	8 548	16 867	640	556	395	64	42	—
Assemblers.....	—	—	634	117	254	—	—	75	—	—	—	—	—	—
Checkers, examiners, and inspectors, manufacturing.....	—	—	148	—	213	—	—	65	—	—	—	—	—	—
Fillers, polishers, sanders, and buffers.....	—	—	67	—	1 014	22	—	931	—	—	—	—	—	—
Painters, manufactured articles.....	—	—	198	—	45	25	—	38	—	—	20	—	—	20
Precision machine operatives.....	—	—	56	—	—	—	—	—	—	—	20	—	—	20
Drill press operatives.....	—	—	43	—	21	—	—	21	—	—	—	—	—	—
Grinding machine operatives.....	—	—	99	—	—	—	—	17	—	—	—	—	—	—
Lathe and milling machine operatives.....	—	—	68	—	102	—	—	—	—	—	—	—	—	—
Precision machine operatives, n.e.c.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Punch and stamping press operatives.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Solders.....	19	205	21	42	24	—	—	—	—	—	167	21	—	146
Stationary firemen.....	19	235	79	70	324	—	—	—	—	—	—	—	—	—
Welders and flame-cutters.....	21	144	932	351	26 698	466	7 705	15 222	572	464	93	26	19	67
Other specified operatives.....	46	192	1 837	846	826	—	210	146	—	92	269	—	23	42
Machine operatives, miscellaneous specified.....	23	303	1 750	433	453	37	144	39	—	233	61	—	—	14
Machine operatives, not specified.....	120	514	1 457	592	901	—	377	205	47	—	37	17	—	—
Miscellaneous operatives.....	—	88	317	126	371	—	112	84	21	—	17	—	—	—
Not specified operatives.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Transport equipment operatives</b> .....	102	3 451	15 675	7 092	14 056	1 488	2 634	1 096	216	946	681	159	74	448
Deliverymen and routemen.....	44	54	6 721	3 374	7 923	804	1 481	587	114	550	196	22	—	157
Fork lift and tow motor operatives.....	—	21	1 428	750	668	251	225	23	—	315	153	—	—	140
Truck drivers.....	39	3 249	6 802	2 900	4 261	372	833	354	81	—	—	—	—	—
Other transport equipment operatives.....	19	127	1 204	68	1 204	61	95	132	21	81	332	137	44	151



Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Utilities and other public utilities—Con.	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>													
<b>SPANISH ORIGIN—Continued</b>													
<b>Male, employed—Continued</b>													
<b>Laborers, except farm</b>													
Construction laborers	137	8 594	12 919	5 449	25 308	2 851	13 545	2 019	500	348	6 045	3 307	3 180
Freight, stock, and material handlers	115	1 075	1 61	37	571	23	65	62	—	—	421	89	89
Vehicle washers and equipment cleaners	22	4 808	8 294	3 790	18 717	2 712	12 956	188	443	102	2 316	196	150
Other specified laborers	—	64	207	118	1 426	—	25	1 343	—	—	58	—	—
Miscellaneous laborers	—	299	1 064	192	2 338	40	157	143	—	64	1 934	2 047	2 047
Not specified laborers	—	1 225	800	192	2 442	14	21	87	17	—	303	193	193
Farm workers	—	1 123	2 393	1 120	1 814	62	321	196	40	182	1 013	716	701
<b>Service workers, including private household</b>													
Cleaning service workers	453	1 158	2 475	1 214	61 514	3 035	1 729	404	354	51 643	4 349	11 920	9 747
Food service workers	346	864	1 564	703	6 805	1 569	1 060	359	313	2 331	1 173	8 122	6 820
Health service workers	65	—	367	349	50 642	911	551	—	—	48 771	409	505	181
Personal service workers	—	—	20	—	81	26	—	—	—	31	24	—	—
Guards and watchmen	20	114	184	42	891	298	42	—	24	450	119	1 918	1 824
Other service workers, including private household	22	138	279	35	378	170	42	45	17	38	66	754	307
<b>Female, employed</b>													
<b>Professional, technical, and kindred workers</b>													
Accountants	15 013	3 135	31 412	11 095	170 583	44 056	20 291	4 566	16 359	47 027	38 304	59 402	27 845
Computer specialists	591	122	313	19	1 740	516	65	41	153	379	586	1 428	662
Engineers	100	23	119	19	375	211	48	19	58	20	19	616	401
Librarians, archivists, and curators	40	13	18	—	28	28	—	—	—	—	—	127	85
Life and physical scientists	—	—	—	—	20	20	—	—	—	—	—	37	21
Physicians, dentists, and related practitioners	—	—	—	—	—	—	—	—	—	—	—	24	24
Registered nurses, dietitians, and therapists	—	—	—	—	190	—	—	—	—	—	190	39	—
Health technologists and technicians	—	—	—	—	20	—	—	—	—	20	—	—	17
Social scientists	—	—	18	—	—	—	—	—	—	—	—	57	—
<b>Social and recreation workers</b>													
Teachers, except college and university	15	—	—	—	—	—	—	—	—	—	—	33	33
Engineering and science technicians	97	25	33	—	54	—	17	—	—	—	54	24	—
Technicians, exc. health, and engineering and science	—	—	—	—	39	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	163	20	73	—	677	177	—	—	70	298	132	151	—
Other professional, technical, and kindred workers	158	20	52	—	337	80	—	—	25	41	191	320	120
<b>Managers and administrators, except farm</b>													
Buyers, purchasing agents, and sales managers	237	—	677	189	8 897	1 587	1 477	246	1 158	2 200	2 229	2 635	1 039
Other managers and administrators	237	—	112	20	2 141	899	1 353	48	490	38	513	—	—
Salaried	237	—	565	169	6 756	698	324	198	668	2 162	1 716	2 635	1 039
Self-employed	—	—	476	123	3 366	570	268	115	415	999	717	2 466	1 870
Other self-employed	—	—	89	46	3 390	118	1 056	83	253	1 163	717	169	169
<b>Sales workers</b>													
Clerical and kindred workers	13 610	2 587	14 821	2 407	47 332	21 876	4 232	476	6 283	528	11 937	1 910	837
Billing clerks	91	20	417	52	46 926	14 445	9 691	2 780	3 211	3 645	13 154	49 344	25 071
Bookkeepers	350	192	2 468	537	6 630	1 590	667	22	21	81	40	81	8 351
Cashiers	97	105	367	291	18 390	4 409	7 710	61	963	433	2 982	5 576	3 722
Counter clerks, except food	134	21	273	58	693	385	49	49	63	117	93	914	615
File clerks	337	103	724	21	1 403	693	42	123	100	18	78	78	83
Office machine operators	496	398	1 324	255	1 800	944	173	65	183	21	39	347	1 258
Bookkeeping and billing machine operators	37	—	194	25	181	67	20	20	40	60	34	4 603	2 767
Keypunch operators	303	245	905	230	985	524	91	45	103	24	198	2 895	1 128

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text)

Occupation	Transport., comm., and other public utilities—Cont.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm prod-ucts	Total	General merchan-dise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel acces-sories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insur-ance	Other finance and real estate
<b>United States</b>															
<b>SPANISH ORIGIN—Continued</b>															
<b>Female, employed—Continued</b>															
Clerical and kindred workers—Continued															
Payroll and timekeeping clerks	112	122	58	19	273	158	21	16	56	—	22	150	109	41	—
Receptionists	60	19	272	23	608	105	—	62	66	14	361	519	248	142	129
Secretaries	966	406	3 533	530	3 950	915	316	504	236	203	1 776	9 567	3 527	3 828	2 212
Statistical clerks	585	87	58	—	275	140	—	19	38	—	78	1 062	224	778	60
stenographers	77	84	68	—	72	19	—	108	21	—	32	424	215	147	62
Telephone operators	6 800	79	174	62	7 253	368	34	125	58	15	90	7 744	3 038	3 765	941
Typists	1 133	431	1 642	145	9 974	950	97	673	637	50	4 608	14 928	9 127	2 814	2 987
Other clerical and kindred workers	2 372	640	3 043	414	9 974	3 646	549	484	637	—	—	—	—	—	—
Craftsmen and kindred workers	245	98	1 182	239	3 047	521	550	203	377	127	1 289	1 866	68	41	77
Foremen, n.e.c.	90	28	508	134	406	150	21	184	—	16	219	39	22	17	—
Mechanics and repairmen	—	—	76	—	228	47	18	—	—	18	24	22	22	24	22
Printing craftsmen	—	—	101	—	86	—	—	—	—	—	21	46	—	—	—
Operatives, except transport	99	39	11 320	7 292	9 660	1 954	2 059	508	2 648	391	2 100	271	109	51	111
Assemblers	16	—	501	20	246	54	—	25	19	—	148	—	—	—	—
Bottling and canning operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Produce graders and packers, exc. factory and farm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixing operatives	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sewers and stitchers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified operatives	22	39	1 813	273	4 705	933	216	434	1 927	22	1 173	119	60	26	59
Machine operatives, miscellaneous specified	—	—	477	272	250	45	62	—	33	71	39	49	23	26	27
Machine operatives, not specified	46	—	383	129	1 68	40	—	—	17	22	89	69	26	16	25
Miscellaneous operatives	15	—	840	487	529	116	98	—	112	31	172	34	—	9	—
Not specified operatives	—	—	122	37	156	20	62	—	25	—	49	—	—	—	—
Transport equipment operatives	—	53	218	139	308	59	36	59	—	59	95	21	—	—	21
Deliverymen and routelemen	—	13	67	44	157	39	—	23	—	23	72	21	—	—	21
Laberers, except farm	19	104	1 192	292	3 052	601	1 203	88	315	—	845	85	—	—	85
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	122	71	539	272	49 621	2 477	998	165	214	39 498	6 069	3 522	701	242	2 579
Cleaning service workers	42	40	150	87	1 723	279	94	97	53	741	459	2 553	541	160	1 852
Cleaners and charwomen	22	—	55	55	899	240	38	40	53	325	203	1 757	393	94	1 270
Food service workers	62	—	144	108	42 405	1 730	763	47	50	38 664	1 151	281	64	56	161
Waiters and food counter workers	41	—	25 566	—	25 566	964	448	—	23	23 231	900	166	42	20	104
Health service workers	—	—	88	—	88	—	24	21	—	23	155	—	—	—	—
Personal service workers	18	—	101	—	866	368	—	—	88	255	—	326	78	26	222
Protective service workers	—	—	—	—	119	82	22	—	—	15	—	18	—	—	—
Private household workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970 - Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services
							Total	Hospitals	Health services, except hospitals			
<b>SPANISH ORIGIN - Continued</b>												
<b>Male, employed</b>												
27 589	28 466	19 180	26 089	36 426	18 361	35 014	12 412	41 910	17 233	16 494	22 288	97 404
3 749	221	323	896	1 123	3 721	11 147	6 636	18 716	7 428	6 765	14 651	12 423
292	43	19	220	-	56	268	104	151	97	123	1 980	1 144
-	-	22	-	20	-	10	22	142	86	44	151	425
395	-	-	89	-	34	62	-	89	37	62	1 797	2 000
433	-	-	-	-	-	41	-	-	-	-	41	84
36	-	-	-	-	-	-	-	-	-	-	-	-
147	-	-	18	-	-	-	-	45	-	-	767	723
61	-	-	23	-	34	-	-	22	37	-	205	486
19	-	-	48	-	-	20	-	22	-	-	19	224
150	-	-	-	-	-	42	-	-	-	62	596	212
-	-	-	-	-	-	-	-	-	-	-	-	271
24	-	-	-	-	-	-	-	268	17	55	1 639	442
37	-	-	-	-	-	-	24	-	127	29	20	18
77	-	25	-	-	-	85	114	192	87	26	19	81
55	-	25	-	-	-	42	72	58	40	-	85	266
21	-	-	91	21	22	43	20	55	-	-	-	171
232	-	-	-	-	18	5 394	5 186	118	89	111	-	1 098
17	-	-	-	-	-	64	842	81	37	65	16	65
-	-	-	-	-	-	322	-	-	-	-	-	-
17	-	-	-	-	18	5 008	3 939	81	52	65	-	65
-	-	-	-	-	-	1 735	239	56	60	22	-	115
-	-	19	21	27	-	3 027	595	185	135	23	38	49
18	-	-	-	-	-	17	-	44	24	3 242	28	28
282	-	-	-	-	-	149	20	77	80	74	72	363
19	-	-	99	-	311	65	182	354	128	2 407	114	1 161
-	-	-	-	-	-	144	21	3 524	2 330	-	-	58
831	155	37	42	30	144	66	-	11	2 927	46	23	2 238
347	23	18	19	91	41	61	-	430	362	-	3 474	634
111	-	-	-	11	-	20	-	94	143	-	2 628	764
373	-	19	23	39	41	41	-	81	21	-	89	16
66	-	-	-	53	-	-	-	255	198	-	707	804
-	-	-	-	53	-	-	-	140	-	15	25	1 106
-	-	-	-	-	-	-	-	24	-	-	-	-
66	-	-	-	-	-	-	-	116	-	15	25	674
896	-	23	334	841	2 840	787	17	200	226	357	1 732	432
109	-	178	-	40	255	78	92	1 348	596	64	2 600	874
1 751	1 025	558	1 620	1 924	1 462	710	338	1 766	469	1 681	758	7 252
104	18	21	42	19	64	126	23	-	92	15	21	409
1 647	1 007	537	1 578	1 905	1 398	584	315	1 766	447	1 666	737	6 843
1 260	619	281	1 186	1 299	1 110	584	292	1 766	376	1 866	673	6 843
387	388	256	392	606	288	158	23	-	71	-	64	-
716	211	257	83	291	155	63	49	22	89	151	25	228
267	-	38	-	-	21	43	49	-	-	-	-	62
449	211	219	83	291	134	20	-	22	89	151	25	166

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

[Data based on 5-percent sample, see text. For meaning of symbols, see text.]

United States	Professional and related services										Public administration	
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services
							Total	Hospitals	Health services, except hospitals			
<b>SPANISH ORIGIN—Continued</b>												
<b>Male, employed—Continued</b>												
Bookkeepers	3 521	513	566	1 491	787	1 020	2 221	433	2 572	1 531	2 386	24 668
Cashiers	298	143	15	373	25	111	290	—	110	78	511	365
Estimators and investigators, n.e.c.	20	53	—	153	67	299	19	—	42	65	21	119
Office machine operators	276	61	—	17	25	—	57	21	248	50	21	487
Secretaries, stenographers, and typists	662	27	41	16	—	20	184	60	136	158	409	669
Shipping and receiving clerks	247	16	—	45	—	23	139	60	172	136	151	703
Stock clerks and storekeepers	147	29	37	57	105	19	243	20	28	40	81	492
Other clerical and kindred workers	234	20	382	830	62	485	405	20	101	198	44	1 351
	1 637	164	—	—	503	—	1 054	332	1 871	806	1 169	20 262
<b>Craftsmen and kindred workers</b>	<b>3 399</b>	<b>17 973</b>	<b>12 064</b>	<b>1 185</b>	<b>2 580</b>	<b>1 353</b>	<b>1 854</b>	<b>1 956</b>	<b>1 989</b>	<b>747</b>	<b>905</b>	<b>15 731</b>
Construction craftsmen	580	464	514	399	249	209	853	40	1 036	368	115	3 880
Brickmasons and stonemasons	25	—	—	—	—	—	20	—	20	—	—	49
Carpenters	79	—	122	84	84	47	193	20	286	159	18	713
Electricians	124	44	222	101	21	67	179	20	207	39	59	1 074
Excavating, grading and road machine operators	31	24	24	—	25	95	42	16	65	21	—	328
Painters (const. & maint.), plasterers, & paperhangers	173	396	107	170	119	—	338	20	293	89	20	981
Plumbers and pipefitters	88	—	20	44	—	—	101	—	141	65	23	499
Other construction craftsmen	60	—	19	—	—	—	84	—	24	—	18	36
Foremen, n.e.c.	464	305	185	71	255	150	133	42	147	107	104	1 272
Mechanics and repairmen	1 038	16 522	7 891	239	321	343	215	22	475	181	84	7 974
Automobile, including body	144	16 331	303	17	61	49	282	—	149	86	—	1 505
Metal craftsmen, except mechanics	164	76	230	—	42	15	223	—	63	—	120	1 046
Machinists, job setters, and toolmakers	102	76	98	—	42	—	159	—	39	—	120	366
Blacksmiths, forgers, hammermen, boilermakers	—	—	110	—	—	—	40	—	—	—	—	44
Other metal craftsmen	62	—	22	—	—	—	24	—	58	—	—	636
Printing craftsmen	165	—	—	—	18	82	401	19	24	25	142	306
Stationary engineers and power station operators	78	—	—	—	21	—	371	—	79	23	—	225
Other craftsmen and kindred workers	910	606	3 244	287	1 674	554	125	1 833	131	43	428	1 028
<b>Operatives, except transport</b>	<b>2 950</b>	<b>3 827</b>	<b>3 448</b>	<b>541</b>	<b>6 873</b>	<b>502</b>	<b>1 236</b>	<b>1 888</b>	<b>541</b>	<b>206</b>	<b>624</b>	<b>3 876</b>
Assemblers	84	55	36	—	42	—	17	—	—	—	—	127
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Filters, polishers, sanders, and buffers	19	23	18	41	22	—	41	—	—	—	15	—
Painters, manufactured articles	—	1 842	23	—	—	17	—	—	—	—	—	59
Precision machine operatives	—	25	108	—	21	—	—	—	—	—	—	87
Drill press operatives	—	—	—	—	—	—	—	—	—	—	—	33
Grinding machine operatives	—	25	108	—	—	—	—	—	—	—	—	—
Lathe and milling machine operatives	—	—	—	—	21	—	—	—	—	—	—	54
Precision machine operatives, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—
Punch and stamping press operatives	40	—	—	—	25	20	—	—	—	—	—	—
Solders	—	—	19	—	—	—	—	—	—	—	—	—
Stationary firemen	22	300	—	22	—	—	157	18	77	23	33	148
Welders and flame-cutters	155	—	2 121	—	11	—	164	—	86	23	—	394
Other specified operatives	1 179	961	636	350	6 616	385	1 814	124	121	50	111	1 555
Machine operatives, miscellaneous specified	396	289	49	—	—	23	196	46	22	20	23	471
Machine operatives, not specified	129	63	77	—	19	23	175	22	134	20	21	221
Miscellaneous operatives	868	269	296	128	41	34	236	—	101	39	34	664
Not specified operatives	58	—	65	—	59	—	65	—	—	—	27	150
<b>Transport equipment operatives</b>	<b>1 371</b>	<b>2 193</b>	<b>350</b>	<b>248</b>	<b>2 301</b>	<b>165</b>	<b>428</b>	<b>175</b>	<b>483</b>	<b>123</b>	<b>375</b>	<b>3 574</b>
Deliverymen and routemen	556	1 277	94	22	1 322	18	297	67	103	17	20	196
Fork lift and tow motor operatives	51	24	—	—	20	—	61	—	—	—	—	530
Truck drivers	445	435	88	17	584	65	663	67	179	41	21	2 380
Other transport equipment operatives	319	1 607	168	209	375	82	856	41	201	65	160	468

Table 2. Industry Group of Employed Persons by Occupation, Race, Spanish Origin, and Sex: 1970—Continued

(Data based on 5-percent sample, see text. For meaning of symbols, see text.)

	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, and nonprofit organizations		Other professional and related services	
							Health services, except hospitals	Government	Private				
	Total	Hospitals											
<b>United States</b>													
<b>SPANISH ORIGIN—Continued</b>													
<i>Male, employed—Continued</i>													
Laborers, except farm	2 192	766	690	4 642	3 198	5 527	773	393	1 894	1 073	832	562	7 899
Construction laborers	90	20	97	27	40	340	84	—	79	47	110	20	479
Freight, stock, and material handlers	66	75	54	187	20	597	127	—	176	106	170	18	2 919
Vehicle washers and equipment cleaners	85	104	23	48	20	89	45	—	18	—	26	—	88
Other specified laborers	1 893	323	303	3 371	2 811	3 376	350	292	1 374	802	197	361	3 375
Miscellaneous laborers	143	186	42	107	178	1 125	167	101	247	118	329	163	204
Not specified laborers	691	58	171	902	149	—	—	—	—	—	—	—	834
<b>Farm workers</b>													
Service workers, including private household	—	848	19 335	15 905	6 785	44 508	16 582	2 244	13 927	5 567	4 094	2 094	21 753
Cleaning service workers	311	130	3 985	736	1 906	26 180	6 055	768	12 180	4 433	2 451	293	4 989
Food service workers	216	—	12 637	36	2 581	6 579	3 053	479	984	791	1 165	107	868
Health service workers	18	—	17	17	—	7 110	6 248	845	—	—	17	—	129
Personal service workers	241	83	2 589	12 290	1 712	1 872	847	52	409	153	393	18	745
Guards and watchmen	36	635	107	65	192	888	318	100	262	161	47	—	1 876
Other service workers, including private household	218	—	—	2 761	394	1 879	61	—	92	29	21	1 676	13 146
<b>Female, employed</b>													
Professional, technical, and kindred workers	18 025	1 921	19 644	96 849	6 005	218 297	68 678	30 953	56 533	22 893	16 838	22 402	34 756
Accountants	1 480	57	219	743	1 007	66 217	18 242	4 764	24 148	9 732	4 178	5 153	3 384
Computer specialists	287	16	20	46	1 16	563	19	11	88	77	150	218	545
Engineers	102	—	—	—	—	174	24	—	64	—	—	86	62
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	—	—	—	—	56
Life and physical scientists	41	—	—	—	—	1 225	102	21	898	284	—	22	34
Physicians, dentists, and related practitioners	—	—	—	—	—	226	226	51	21	37	—	15	40
Registered nurses, dietitians, and therapists	—	—	—	—	—	1 205	823	325	22	35	—	—	—
Health technologists and technicians	230	—	44	282	37	16 656	12 731	3 259	322	1 677	126	51	196
Social scientists	18	—	—	—	—	4 734	3 726	692	187	91	22	16	45
Social and recreation workers	43	—	—	—	—	143	—	16	62	—	18	47	79
Teachers, except college and university	22	—	—	—	—	3 709	344	182	302	160	2 701	20	708
Engineering and science technicians	13	—	—	—	—	27 303	37	65	19 529	7 361	265	46	175
Technicians, exc. health, and engineering and science	177	41	—	45	202	657	55	30	119	140	—	313	99
Writers, artists, and entertainers	17	—	—	18	—	107	107	—	40	43	—	24	112
Other professional, technical, and kindred workers	231	128	58	100	20	8 606	185	41	2 332	1 294	222	245	243
Managers and administrators, except farm	299	—	—	—	—	—	—	71	—	—	674	4 050	990
Buyers, purchasing agents, and sales managers	469	192	910	682	173	2 744	409	409	569	574	451	332	1 762
Other managers and administrators	16	—	20	19	—	112	36	—	49	27	—	—	34
Salaries	453	192	890	663	173	2 632	373	407	520	547	451	332	1 728
Self-employed	77	115	210	572	95	2 428	353	303	520	469	451	332	1 728
Managers and administrators, except farm	76	—	—	91	78	204	20	106	—	—	—	—	—
<b>Sales workers</b>													
Clerical and kindred workers	289	127	38	428	312	401	61	—	38	40	142	120	107
Billing clerks	9 934	1 539	2 149	5 146	2 086	63 919	11 202	6 864	19 357	6 534	8 588	11 374	25 514
Bookkeepers	115	—	—	16	—	331	165	44	41	19	38	24	—
Cashiers	855	257	290	549	224	3 092	497	502	430	224	541	898	1 051
Counter clerks, except food	74	—	370	418	821	1 092	436	23	402	141	64	26	175
File clerks	85	—	415	511	115	95	31	21	43	—	—	—	40
Office machine operators	530	105	16	136	291	2 497	852	291	526	322	305	201	1 210
Bookkeeping and billing machine operators	1 511	29	113	193	62	1 759	327	67	260	142	208	75	1 318
Keypunch operators	254	29	22	71	18	1 436	111	51	182	142	166	701	1 024



Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

Occupation	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment	
				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical			
<b>United States</b>															
<b>Male, employed</b>	11.6	9.5	10.7	10.3	10.4	9.3	9.9	10.6	10.5	10.9	10.9	10.9	11.6	12.3	11.0
Professional, technical, and kindred workers	15.5	13.8	15.1	14.0	13.8	13.9	13.3	14.3	14.1	14.4	14.3	14.3	14.3	14.6	14.3
Accountants	14.9	14.0	14.9	14.3	13.9	15.0	14.2	14.4	14.4	14.7	14.7	14.7	14.7	15.0	14.6
Architects	16.1	13.0	15.6	15.5	15.3	14.5	14.5	14.4	14.3	14.1	14.2	14.2	15.1	15.1	14.2
Computer specialists	14.8	14.3	15.4	14.7	14.5	15.3	13.8	15.3	14.9	15.2	14.8	14.8	14.8	15.4	14.9
Engineers	15.2	14.3	15.4	14.7	14.5	14.5	13.8	15.3	14.9	15.2	14.8	14.8	14.8	15.4	14.9
Aeronautical and astronautical	15.6	14.3	15.4	14.7	14.5	14.5	13.8	15.3	14.9	15.2	14.8	14.8	14.8	15.4	14.9
Chemical	16.5	14.9	16.4	16.7	16.5	16.8	16.4	16.8	15.5	15.5	16.4	16.4	16.7	16.4	15.9
Civil	15.1	14.9	15.4	14.7	14.7	16.3	14.7	16.3	14.9	15.4	15.4	15.4	14.6	15.2	14.7
Electrical and electronic	15.4	14.9	14.7	14.5	14.5	15.5	14.5	15.5	15.0	15.2	15.5	15.5	15.7	15.7	15.1
Industrial	14.7	14.3	14.8	14.2	14.3	13.9	13.5	14.7	14.6	14.6	14.2	14.2	14.6	14.6	14.5
Mechanical	15.0	14.6	14.8	14.6	14.6	15.1	14.6	15.1	14.6	15.5	14.8	14.8	14.8	15.0	15.0
Other engineers	15.1	13.6	15.4	14.3	14.1	14.5	14.1	15.1	15.1	15.4	14.8	14.8	14.7	15.1	14.9
Lawyers and judges	18.3	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Librarians, archivists, and curators	16.1	14.8	16.5	16.2	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Mathematical specialists	16.2	14.8	16.5	16.2	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Life and physical scientists	16.5	14.8	16.5	16.2	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Chemists	16.1	14.8	16.5	16.2	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Operations and systems researchers and analysts	14.3	13.3	14.7	13.8	12.9	14.1	12.8	14.5	14.4	14.7	14.7	14.7	14.7	15.1	14.5
Personnel and labor relations workers	14.5	13.3	14.7	13.8	12.9	14.1	12.8	14.5	14.4	14.7	14.7	14.7	14.7	15.1	14.5
Physicians, dentists, and related practitioners	18.0	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Dentists	18.4	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Pharmacists	18.0	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Physicians, medical and osteopathic	18.7	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Other related practitioners	17.4	18.3	18.5	18.7	18.7	18.6	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.8	18.9
Registered nurses, dietitians, and therapists	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Health technologists and technicians	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
Religious workers	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
Social scientists	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
Social and recreation workers	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
Teachers, college and university	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
Teachers, except college and university	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
Engineering and science technicians	12.9	12.4	12.8	12.7	12.7	12.2	12.2	12.8	12.4	12.6	12.7	12.7	13.7	13.8	12.8
Draftsmen	13.0	13.8	13.3	13.2	12.8	12.5	12.2	13.0	12.8	13.0	12.8	12.8	12.7	12.8	12.6
Electrical and electronic engineering technicians	12.7	12.7	13.6	12.3	12.3	12.7	12.2	12.5	12.8	12.8	12.7	12.7	12.7	12.8	12.6
Industrial and mechanical engineering technicians	12.7	12.7	13.6	12.3	12.3	12.7	12.2	12.5	12.8	12.8	12.7	12.7	12.7	12.8	12.6
Other engineering and science technicians	12.9	12.0	12.5	12.4	12.6	11.5	11.5	12.6	12.4	12.5	12.5	12.7	12.7	13.0	12.6
Technicians, exc. health, and eng. and science	13.1	12.4	12.3	12.1	12.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.3	12.3
Airplane pilots	13.9	12.4	12.7	12.8	12.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Embalmers	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
Radio operators and air traffic controllers	12.4	12.4	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
Other technicians, exc. health, and eng. and science	13.9	11.1	14.2	13.8	14.0	13.0	13.6	14.0	14.8	14.6	14.6	14.5	13.8	13.9	13.7
Writers, artists, and entertainers	14.8	12.5	14.7	12.9	13.2	14.0	14.0	14.0	14.4	14.4	14.4	14.5	13.8	13.9	14.3
Other professional, technical, and kindred workers	14.8	12.5	14.7	12.9	13.2	14.0	14.0	14.0	14.4	14.4	14.4	14.5	13.8	13.9	14.3
<b>Managers and administrators, except farm</b>	13.0	11.9	13.1	11.7	11.5	11.8	12.9	13.3	13.9	13.9	13.3	13.8	13.8	14.4	13.7
Buyers, purchasing agents, and sales managers	13.2	12.7	14.1	13.4	13.0	13.0	13.4	14.0	14.2	14.2	13.8	13.9	13.9	14.2	14.0
Other managers and administrators	12.9	11.8	12.9	11.6	11.4	11.7	12.8	13.2	13.8	13.8	13.2	13.7	14.5	14.5	13.5
Salaried	13.3	12.2	13.1	12.0	11.9	12.7	12.9	13.3	13.9	13.9	13.3	13.9	13.9	14.5	13.6
Self-employed	11.4	11.3	12.0	11.1	10.8	10.0	11.6	11.6	11.0	10.8	11.9	12.0	12.0	12.7	12.0
<b>Sales workers</b>	12.6	11.5	13.2	12.3	12.3	12.8	13.2	13.4	13.8	13.8	13.8	13.8	13.8	13.8	13.0
Newsboys	10.5	10.4	11.1	11.1	10.8	10.5	11.1	11.9	11.9	11.9	12.0	12.5	12.5	12.8	11.6
Other specified sales workers	13.1	11.6	13.1	12.4	12.4	12.8	13.2	13.4	14.0	14.0	13.4	13.4	13.9	13.8	13.1
Salesmen and sales clerks, n.e.c.	12.4	11.6	13.2	12.4	12.4	12.8	13.2	13.4	14.0	14.0	13.4	13.4	13.9	13.8	13.1

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

United States	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing								
				Total	Special trade contractors	Lumber and wood products, except furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical	Electrical machinery, equipment and supplies	Motor vehicles and motor vehicle equipment	
Bookkeepers	12.1	11.9	12.3	12.3	12.2	11.5	11.1	11.5	11.7	11.7	11.5	11.9	12.0	11.7
Cashiers	12.8	12.5	12.7	12.5	12.3	12.8	12.6	12.7	12.6	12.7	12.9	13.2	13.3	13.0
Estimators and investigators, n.e.c.	11.8	13.1	13.4	12.5	12.7	12.6	13.4	13.1	13.7	12.3	13.1	12.5	13.4	13.3
Office machine operators	13.4	13.1	13.1	12.5	12.3	12.3	12.4	12.1	12.1	12.3	12.2	12.6	12.4	12.7
Secretaries, stenographers, and typists	12.7	12.9	13.5	12.6	12.3	12.4	12.3	12.1	12.1	13.1	12.5	12.7	12.2	12.3
Shipping and receiving clerks	10.8	9.2	11.1	10.7	10.4	10.3	10.4	10.7	10.7	10.9	10.5	10.9	10.9	10.6
Stock clerks and storekeepers	11.0	11.0	11.3	10.8	10.4	10.5	10.5	10.8	10.7	11.0	10.7	11.0	11.2	10.8
Other clerical and kindred workers	12.2	11.9	12.3	11.9	11.4	11.4	11.7	11.8	11.8	12.1	11.9	12.3	12.3	12.1
Craftsmen and kindred workers	10.6	9.6	10.3	10.1	10.3	9.8	9.8	10.3	10.4	10.7	10.6	11.0	11.4	11.0
Construction craftsmen	10.1	9.2	9.8	10.0	10.2	9.5	9.5	9.5	10.5	10.4	10.4	10.6	10.9	10.8
Brickmasons and stonemasons	9.9	8.6	10.2	9.8	9.9	9.4	9.5	9.4	10.1	10.5	10.3	10.6	10.6	10.1
Carpenters	9.9	10.3	9.5	10.0	9.8	9.4	9.5	9.4	10.1	9.9	9.9	9.9	9.9	9.7
Electricians	11.2	10.3	10.6	11.3	11.3	11.5	10.4	10.8	11.1	11.3	11.1	11.1	11.3	11.4
Excavating, grading and road machine operators	9.5	8.8	9.4	9.5	9.9	8.6	9.2	9.2	9.6	9.5	9.5	10.4	10.4	10.2
Painters (const. & main.), plasterers, & paperhangers	9.7	10.3	9.8	9.6	9.7	8.7	9.3	9.2	9.7	10.0	10.0	9.8	10.3	10.3
Plumbers and pipefitters	10.5	9.7	9.9	10.6	10.6	10.9	10.3	10.4	10.3	10.2	10.3	10.6	11.0	10.7
Other construction craftsmen	9.8	9.9	9.6	9.7	9.7	10.2	9.7	9.7	10.2	10.4	10.4	11.0	12.2	11.9
Foremen, n.e.c.	11.3	11.0	11.5	10.5	10.7	10.5	10.3	11.0	11.5	11.3	11.1	11.6	12.2	11.9
Mechanics and repairmen	10.6	9.6	10.2	10.4	10.8	9.7	9.6	9.9	10.5	10.4	10.3	11.1	11.0	10.6
Automobile, including body	10.3	9.9	9.8	9.7	9.7	9.0	9.6	9.7	9.7	9.6	9.8	10.5	10.5	10.5
Metal craftsmen, except mechanics	10.7	10.4	10.3	10.7	10.8	10.1	10.3	10.5	10.0	10.3	10.5	10.9	10.9	10.8
Machinists, job setters, and toolmakers	10.7	11.1	10.4	10.5	10.6	9.8	10.1	10.6	10.6	10.7	10.7	10.9	11.0	10.8
Blacksmiths, forgers, hammermen, boilermakers	10.0	10.3	10.2	10.8	10.2	10.2	10.9	10.4	9.8	10.4	10.0	10.1	10.2	10.2
Other metal craftsmen	10.5	10.3	10.2	10.8	10.8	10.2	10.9	10.4	9.7	9.8	10.4	10.6	10.7	10.7
Printing craftsmen	11.3	11.3	11.3	10.3	10.6	11.3	10.9	10.4	10.8	11.5	10.8	11.5	11.5	11.6
Stationary engineers and power station operators	10.9	10.6	10.1	10.0	10.0	9.6	9.6	10.2	10.8	11.5	11.4	11.5	11.5	11.0
Other craftsmen and kindred workers	10.5	9.6	9.8	9.7	10.7	9.7	9.6	10.0	9.9	10.2	10.0	10.2	11.7	10.0
Operatives, except transport	10.1	9.0	9.7	10.0	10.1	8.9	8.9	9.7	9.8	10.0	10.0	10.5	10.7	10.4
Assemblers	10.5	11.1	10.2	10.4	10.4	10.1	9.3	10.3	10.3	10.3	10.3	10.6	10.7	10.5
Checkers, examiners, and inspectors, manufacturing	11.1	11.1	11.1	11.1	11.1	10.2	10.2	10.8	10.7	10.7	10.9	11.3	11.5	10.8
Filters, polishers, sanders, and buffers	9.5	9.5	9.4	9.4	9.7	9.6	8.1	9.3	9.5	10.0	9.4	9.8	10.0	9.8
Painters, manufactured articles	10.4	9.9	9.9	10.3	10.2	9.6	8.6	9.5	9.5	9.7	9.4	9.6	10.2	10.0
Precision machine operatives	10.2	10.2	10.2	10.3	10.2	9.3	8.5	10.0	9.9	9.9	10.1	10.6	10.7	10.5
Drill press operatives	10.2	10.2	10.2	10.2	10.2	9.7	8.7	9.5	10.4	9.3	9.9	10.4	10.4	10.3
Grinding machine operatives	10.2	10.2	10.2	10.2	10.2	9.7	8.8	9.5	10.4	9.9	10.0	10.4	10.6	10.4
Lothe and milling machine operatives	10.7	10.7	10.7	10.7	10.4	9.3	8.8	10.4	9.4	10.7	10.5	10.7	10.6	10.7
Precision machine operatives, n.e.c.	10.5	10.5	10.5	10.3	10.4	8.9	8.2	9.6	10.9	10.7	10.1	10.8	10.7	10.5
Punch and stamping press operatives	10.0	10.0	10.0	9.7	9.2	9.9	9.8	10.2	9.7	10.1	9.8	10.1	10.3	9.9
Solders	9.6	10.4	10.0	9.3	9.6	8.1	7.5	9.5	9.7	10.0	7.4	9.8	9.7	9.5
Stationary firemen	9.8	10.4	10.2	10.1	10.0	10.1	10.1	9.9	9.8	10.0	9.5	9.7	10.0	10.2
Welders and flame-cutters	10.1	9.9	9.9	10.0	10.0	10.0	9.8	9.6	9.7	10.0	9.8	10.2	10.3	10.1
Other specified operatives	9.8	8.9	9.7	10.0	10.2	8.5	8.9	9.6	9.7	10.0	9.8	10.2	10.5	10.1
Machine operatives, miscellaneous specified	10.1	8.5	9.1	9.1	9.1	9.4	8.8	9.6	9.6	10.0	9.9	10.4	10.6	10.3
Machine operatives, not specified	10.1	8.7	9.5	9.5	9.6	8.8	8.7	9.8	9.7	9.7	9.9	10.6	10.4	10.2
Machine operatives, not specified	10.2	8.7	9.5	9.5	10.3	9.2	9.2	9.8	9.8	10.1	9.8	10.4	10.7	10.3
Miscellaneous operatives	10.1	9.1	10.0	10.0	10.4	8.7	9.4	9.7	10.0	10.0	9.8	10.6	10.6	10.2
Transport equipment operatives	10.1	9.2	9.3	9.3	9.8	8.8	9.6	9.4	9.6	9.9	9.9	10.0	10.3	9.9
Deliverymen and routemen	10.7	10.3	10.2	10.2	10.7	9.7	10.1	9.9	9.7	10.2	10.1	10.4	10.3	10.2
Fork lift and tow motor operatives	9.8	9.2	9.5	9.4	9.3	9.1	9.0	9.9	9.5	9.9	9.7	10.1	10.3	9.8
Truck drivers	9.8	9.0	9.4	9.2	9.7	8.6	9.7	9.5	9.5	9.8	9.7	9.9	10.2	9.9
Other transport equipment operatives	10.1	8.5	8.6	9.2	9.9	8.4	9.6	9.4	9.6	10.1	10.1	9.7	10.7	10.1



Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

United States	Total, 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment
				Total	Special trade contractors	Lumber and wood products, except furniture	Furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including not specified metal)	Machinery, except electrical		
<b>Male, employed—Continued</b>														
Laborers, except farm	9.6	9.2	9.2	8.9	9.4	9.5	9.1	9.4	9.4	9.6	9.8	9.8	10.2	10.1
Construction laborers	9.1	10.3	9.5	9.0	9.4	9.6	8.5	9.2	9.0	9.7	9.7	9.7	9.9	10.0
Freight, stock, and material handlers	10.4	9.2	9.1	9.6	9.9	9.9	8.7	9.4	9.4	10.0	10.0	10.0	10.5	10.4
Vehicle washers and equipment cleaners	8.8	...	8.5	9.1	...	...	...	9.7	9.5	9.6	9.1	9.1	9.9	9.5
Other specified laborers	8.9	9.2	8.4	8.2	9.2	8.5	8.1	9.2	10.0	10.0	9.7	10.4	9.9	9.9
Miscellaneous laborers	9.0	8.4	9.5	...	...	9.4	9.0	9.1	9.5	9.6	9.4	9.6	10.1	9.4
Not specified laborers	9.4	9.1	9.6	8.0	...	9.5	8.3	9.1	9.5	9.8	9.7	10.0	10.0	9.8
Farm workers	9.4	9.4	...	...	...	...	...	...	...	...	...	...	...	...
Service workers, including private household	10.3	8.9	9.3	9.1	9.4	9.2	8.5	9.2	9.6	9.6	9.1	9.5	9.5	9.7
Cleaning service workers	9.4	8.8	9.5	9.0	9.3	9.0	8.6	9.0	9.2	9.3	8.8	9.2	9.2	9.2
Food service workers	10.5	8.0	8.9	9.4	...	11.0	...	...	...	...	...	11.0	...	...
Health service workers	11.3	10.0	...	...	...	...	...	...	...	...	...	...	...	9.4
Personal service workers	10.7	8.8	8.8	9.1	...	9.5	8.1	7.9	10.3	10.2	9.8	10.2	10.6	11.2
Guards and watchmen	10.2	8.8	9.7	8.8	10.2	9.4	9.6	...	9.9	...	10.2	11.1	11.1	10.7
Other service workers, including private household	11.0	9.8	9.7	9.6	...	...	...	...	...	...	...	...	...	...
Female, employed	11.7	9.9	12.2	11.7	11.6	10.6	10.6	10.3	11.0	11.5	11.1	10.8	11.4	11.1
Professional, technical, and kindred workers	14.9	12.9	14.1	13.4	13.4	13.3	13.1	12.3	12.5	13.4	12.8	13.1	13.7	13.3
Accountants	12.9	12.9	13.5	12.8	12.8	12.9	13.1	12.9	13.4	12.4	12.4	12.7	12.9	12.6
Computer specialists	14.5	...	...	14.5	...	14.6	...	...	...	...	...	...	14.1	14.7
Engineers	14.2	...	...	14.7	...	14.0	...	...	...	...	...	...	14.1	13.9
Librarians, archivists, and curators	15.6	...	15.2	...	...	14.3	...	...	...	...	...	...	...	...
Life and physical scientists	15.8	12.5	...	...	...	15.6	...	...	...	...	...	...	...	...
Physicians, dentists, and related practitioners	16.6	16.6	...	...	...	11.7	...	...	...	...	...	13.5	...	...
Registered nurses, dietitians, and therapists	13.5	...	...	...	...	11.7	...	...	...	...	...	13.5	...	...
Health technologists and technicians	13.6	...	...	...	...	13.5	...	...	13.3	13.2	...	13.5	13.6	13.4
Social scientists	16.5	...	...	...	...	14.8	...	...	...	...	...	...	...	...
Social and recreation workers	15.3	...	...	...	...	...	...	...	...	...	...	...	...	...
Teachers, except college and university	16.0	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and science technicians	12.8	13.1	13.1	13.0	...	11.2	...	...	...	12.6	...	13.0	12.3	11.3
Technicians, exc. health, and engineering and science	12.6	...	...	...	...	12.2	...	...	11.9	...	...	...	12.1	12.1
Writers, artists, and entertainers	13.9	12.6	14.4	14.4	14.1	14.0	...	...	11.5	...	...	...	13.5	13.5
Other professional, technical, and kindred workers	14.8	11.9	14.4	13.3	...	13.0	...	...	13.7	...	...	13.4	12.7	12.7
Managers and administrators, except farm	12.3	12.3	12.6	12.1	12.1	12.4	12.9	11.7	12.5	12.2	12.5	12.2	12.6	12.6
Buyers, purchasing agents, and sales managers	12.2	12.2	12.6	12.6	12.6	12.6	12.9	11.5	12.5	11.9	12.3	11.9	12.6	12.6
Other managers and administrators	12.3	12.3	12.4	12.3	12.5	12.4	13.5	11.6	12.6	11.9	12.3	12.4	12.6	12.8
Self-employed	11.2	12.4	...	11.6	11.1	11.8	...	...	12.1	...	...	...	...	...
Self-employed	11.4	11.1	...	11.4	11.2	11.6	...	...	12.1	...	...	12.0	12.9	11.6
Sales workers	12.1	12.2	12.5	12.1	12.0	12.0	12.1	12.0	12.1	12.1	12.1	12.0	12.1	12.1
Clerical and kindred workers	12.0	12.3	12.4	12.1	12.1	12.1	12.0	12.1	12.3	12.0	12.2	12.1	12.1	12.2
Billing clerks	11.3	12.3	12.4	12.1	12.1	11.3	12.0	12.1	12.0	12.2	12.1	12.1	12.1	12.2
Bookkeepers	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
Cashiers	11.9	12.1	12.1	11.8	11.5	11.7	11.7	11.7	11.8	11.8	12.0	11.6	11.7	11.3
Counter clerks, except food	12.0	12.1	12.0	12.1	12.0	11.7	12.0	11.9	12.1	11.9	11.9	11.9	11.7	11.3
File clerks	12.0	12.1	12.0	12.0	12.0	11.9	12.0	11.9	12.1	12.0	11.9	12.0	11.9	11.9
Office machine operators	12.0	12.1	12.0	12.0	12.0	11.8	12.0	11.9	12.1	12.0	11.9	12.0	11.9	11.9
Bookkeeping and billing machine operators	12.0	12.1	12.0	12.0	12.0	11.9	12.0	11.9	12.1	12.0	11.9	12.0	11.9	11.9
Keypunch operators	12.0	12.4	12.1	12.1	12.2	11.9	12.0	12.1	12.0	12.0	12.0	12.0	11.9	11.7

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970 - Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

	Total, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction		Manufacturing							Electrical machinery, equipment, and supplies	Motor vehicles and motor vehicle equipment
				Total	Special trade contractors	Lumber and wood products, except furniture and fixtures	Stone, clay, and glass products	Primary ferrous industries	Primary non-ferrous industries	Fabricated metal industries (including specified metal)	Machinery, except electrical			
<b>Female, employed - Continued</b>														
<b>Clerical and kindred workers - Continued</b>														
Payroll and timekeeping clerks	12.0	12.2	12.3	12.1	12.0	12.1	12.0	11.9	12.1	11.5	11.9	11.9	11.8	12.2
Receptionists	12.2	12.2	12.2	11.9	11.5	12.1	11.5	11.6	12.1	11.6	12.2	12.2	12.1	12.0
Secretaries	12.5	12.4	12.8	12.3	12.1	12.4	12.3	12.4	12.4	12.3	11.9	12.2	12.4	12.3
Statistical clerks	12.2	11.9	13.0	12.4	12.1	11.9	11.9	12.3	12.1	12.2	11.7	12.2	12.2	12.4
Stenographers	12.4	12.4	12.6	12.4	11.8	11.9	11.9	12.1	11.6	12.1	11.5	11.6	11.5	12.0
Telephone operators	11.8	12.4	12.4	12.1	11.9	11.9	11.9	11.9	11.9	11.8	11.9	11.6	12.0	12.0
Typists	12.2	11.7	12.2	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.8	11.6	11.6	11.6
Other clerical and kindred workers	12.0	11.7	12.2	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.8	11.6	11.6	11.6
<b>Craftsmen and kindred workers</b>														
Foremen, n.e.c.	10.7	9.9	10.0	10.2	10.4	10.1	10.1	10.1	10.3	10.3	10.2	10.2	10.8	11.0
Mechanics and repairmen	11.0	10.7	10.7	10.2	9.6	11.0	10.9	11.7	10.9	10.9	10.6	11.4	10.7	11.4
Printing craftsmen	11.0	10.6	10.7	10.0	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.6
<b>Operatives, except transport</b>														
Assemblers	9.8	9.0	9.8	9.6	9.7	9.6	9.6	9.9	10.0	10.0	9.8	10.4	10.5	10.3
Battling and capping operatives	10.4	10.4	10.4	9.9	10.4	9.8	9.9	10.3	10.1	10.1	10.0	10.4	10.5	10.4
Checkers, examiners, inspectors, manufacturing	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Graders and sorters, manufacturing	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
Packers and wrappers, except produce	9.9	9.1	9.1	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.6	10.6
Produce graders and packers, exc. factory and farm	8.8	9.2	9.2	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.4
Mixing operatives	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
Sewers and stitchers	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Other specified operatives	9.5	7.8	9.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	10.0
Machine operatives, miscellaneous specified	10.0	8.9	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.5	10.4
Machine operatives, not specified	10.0	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.2	10.3
Miscellaneous operatives	10.0	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.6	10.7
Not specified operatives	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.5	10.2
<b>Transport equipment operatives</b>														
Deliverymen and routemen	10.8	10.1	8.8	9.4	9.4	9.0	9.0	9.6	10.2	10.2	10.2	10.1	10.5	10.1
Laborers, except farm	10.9	10.5	10.5	8.9	9.0	9.1	9.1	9.9	10.4	10.4	9.7	10.5	10.5	10.2
<b>Farm workers</b>														
Service workers, except private household <sup>1</sup>	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Cleaning service workers	10.5	9.5	9.8	9.2	9.4	9.0	9.1	9.2	9.4	9.4	9.2	9.9	10.0	9.8
Cleaners and charwomen	9.1	8.6	9.6	9.1	8.7	9.1	9.1	8.6	8.9	9.4	8.3	9.3	9.1	9.2
Food service workers	9.0	8.6	9.6	9.1	8.6	9.1	9.1	8.6	8.8	9.4	7.8	9.0	9.0	10.1
Waiters and food counter workers	10.4	9.9	10.4	9.7	9.7	9.7	9.7	10.1	10.4	10.4	10.5	10.5	10.6	10.5
Health service workers	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Personal service workers	11.1	10.4	11.6	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Protective service workers	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
Private household workers	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
<b>Private household workers</b>														
8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6

<sup>1</sup>Includes allocated cases not shown separately.

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

United States	Manufacturing—Con.										Transportation, communications, and other public utilities				
	Aircraft and parts	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
Male, employed	12.5	10.8	12.7	10.9	10.6	9.7	10.5	11.1	12.1	12.4	11.3	10.7	11.1	10.7	11.2
Professional, technical, and kindred workers	14.8	13.9	15.1	14.1	14.4	13.8	13.0	14.2	14.5	15.2	14.3	14.7	13.9	13.6	13.9
Accountants	14.7	14.4	15.0	15.0	14.6	14.7	15.0	14.8	14.8	15.1	14.7	14.9	14.3	14.3	14.4
Architects	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Computer specialists	15.5	14.1	15.8	14.8	14.0	13.9	13.3	14.0	14.1	15.1	14.2	15.1	14.2	13.4	14.5
Engineers	15.5	14.7	15.3	15.2	14.5	14.5	13.8	15.3	14.9	16.1	15.0	15.9	14.2	13.3	13.0
Aeronautical and astronautical	16.9	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
Chemical	16.9	16.6	16.6	16.5	16.5	16.4	16.4	16.4	16.4	16.5	15.9	16.8	16.0	16.0	15.5
Civil	16.7	14.2	16.5	15.7	12.3	15.6	15.6	15.6	15.6	16.3	14.7	14.0	14.7	14.0	15.4
Electrical and electronic	16.1	15.3	16.1	16.0	13.9	16.1	15.3	15.3	15.3	16.1	14.2	13.4	14.2	13.4	14.9
Industrial	14.5	14.3	14.8	14.7	14.7	14.1	13.9	14.9	14.9	15.3	14.7	14.7	14.5	14.3	14.6
Mechanical	15.8	14.8	15.8	15.3	13.7	15.7	14.9	14.3	14.3	15.7	14.9	14.3	13.2	14.3	11.7
Other engineers	15.5	14.3	15.7	15.2	14.6	14.8	14.8	15.2	15.2	15.6	14.8	15.5	14.5	13.7	13.8
Lawyers and judges	18.8	18.9	18.9	18.6	18.6	18.6	18.6	18.6	18.6	18.4	18.1	18.1	18.1	17.9	17.7
Librarians, archivists, and curators	15.9	16.9	16.9	16.6	16.6	16.6	16.6	16.6	16.6	17.2	16.0	16.0	16.0	16.0	16.0
Mathematical specialists	16.4	14.7	17.1	16.2	15.9	14.5	15.9	15.9	15.9	16.3	15.7	16.8	14.4	15.8	15.1
Life and physical scientists	15.9	15.9	16.2	15.8	14.4	14.4	14.4	14.4	14.4	15.0	15.6	15.6	15.6	15.6	15.6
Chemists	13.9	12.6	14.3	14.1	14.5	13.7	13.5	14.1	14.1	15.0	13.0	15.0	14.2	14.1	13.9
Operations and systems researchers and analysts	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Personnel and labor relations workers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Physicians, dentists, and related practitioners	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Dentists	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Pharmacists	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Physicians, medical and osteopathic	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Other related practitioners	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Registered nurses, dietitians, and therapists	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Health technologists and technicians	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Religious workers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Social scientists	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Social and recreation workers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Teachers, except college and university	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Teachers, college and university	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Engineering and science technicians	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Engineers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Draftsmen	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Electrical and electronic engineering technicians	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Industrial and mechanical engineering technicians	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Other engineering and science technicians	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Technicians, exc. health, and eng. and science	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Airplane pilots	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Embalmers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Radio operators and air traffic controllers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Other technicians, exc. health, and eng. and science	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Writers, artists, and entertainers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Other professional, technical, and kindred workers	14.6	14.0	14.7	14.5	14.2	13.8	13.5	14.5	14.4	15.1	13.8	14.6	13.7	13.3	13.5
Managers and administrators, except farm	14.3	13.0	14.9	13.1	13.1	13.6	13.0	13.9	13.5	14.7	13.9	13.4	12.4	12.1	12.6
Buyers, purchasing agents, and sales managers	14.0	13.3	14.5	13.8	13.1	14.3	13.7	14.5	13.2	14.7	14.2	13.9	13.6	12.8	13.6
Other managers and administrators	14.4	12.9	15.0	13.2	13.1	13.4	12.9	13.8	13.6	14.7	13.8	13.3	12.8	12.0	12.5
Salaries	14.4	13.1	15.1	13.5	13.2	13.5	13.0	13.8	13.7	14.7	13.8	13.4	12.5	12.4	12.5
Self-employed	14.4	13.1	15.1	13.5	13.2	13.5	13.0	13.8	13.7	14.7	13.8	13.4	12.5	12.4	12.5
Sales workers	14.0	12.7	13.7	13.4	12.2	13.5	13.2	14.1	12.2	14.4	13.7	10.7	13.1	12.6	13.2
Newsboys	13.3	12.9	14.4	12.7	11.3	13.4	13.2	14.1	10.5	14.0	13.8	10.7	13.1	12.6	13.2
Other specified sales workers	14.2	12.9	14.4	12.7	11.3	13.4	13.2	14.1	10.5	14.0	13.8	10.7	13.1	12.6	13.2
Salesmen and sales clerks, n.e.c.	14.2	12.9	14.4	12.7	11.3	13.4	13.2	14.1	10.5	14.0	13.8	10.7	13.1	12.6	13.2

Includes allocated cases not shown separately.

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970 - Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

United States	Manufacturing - Con.											Transportation, communications, and other public utilities				
	Aircraft parts	Other transportation equipment	Ord-nance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chem-icals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Rail-roads and railway express service	Trucking service and ware-housing	Other transpor-tation
<b>Male, employed - Continued</b>																
<b>Clerical and kindred workers</b>																
Bookkeepers	12.3	11.7	12.3	11.4	11.3	10.9	11.0	11.6	12.0	12.0	11.6	11.5	11.9	11.7	11.6	12.2
Cashiers	13.7	12.8	13.8	12.8	12.7	12.8	12.9	13.3	13.2	13.0	13.7	13.4	12.5	11.9	12.6	12.7
Estimators and investigators, n.e.c.	13.7	12.7	13.9	13.4	14.2	11.6	12.1	12.7	13.2	14.5	13.2	13.8	12.8	11.8	12.9	13.4
Office machine operators	12.7	12.7	12.2	12.5	12.4	11.6	12.1	11.8	12.1	12.6	12.0	12.6	12.5	12.0	12.4	12.8
Secretaries, stenographers, and typists	12.3	12.3	11.9	11.9	12.2	11.9	12.0	12.0	11.1	12.9	12.6	12.0	12.3	12.1	12.7	12.2
Shipping and receiving clerks	10.9	10.7	10.5	10.7	10.5	10.2	10.5	10.7	11.1	10.8	10.9	10.4	11.0	10.9	10.8	11.3
Stock clerks and storekeepers	11.5	10.9	11.8	11.1	10.8	10.4	10.9	11.2	11.5	11.4	10.9	11.1	11.3	11.0	10.6	11.8
Other clerical and kindred workers	12.4	11.9	12.6	11.5	11.3	11.3	11.7	11.9	12.1	12.3	12.2	11.4	11.9	11.7	11.8	12.4
<b>Craftsmen and kindred workers</b>																
Construction craftsmen	11.4	10.5	11.3	10.6	10.3	9.6	10.1	10.9	11.4	11.3	11.1	10.5	11.1	10.4	10.5	11.2
Brickmasons and stonemasons	11.0	10.2	10.8	10.4	10.3	9.8	9.7	10.7	10.7	10.6	10.6	10.5	10.5	10.1	9.9	10.6
Carpenters	10.4	10.2	10.4	9.2	9.5	8.3	7.8	9.5	9.9	8.5	10.2	9.8	9.7	9.3	10.0	9.8
Electricians	11.5	11.1	11.5	11.2	11.2	10.4	11.1	11.2	11.2	11.4	11.2	11.0	11.3	10.9	11.3	11.3
Excavating, grading and road machine operators	8.9	8.9	10.1	10.1	8.5	10.0	10.0	9.5	9.9	9.1	10.1	10.0	9.5	9.2	9.9	9.3
Painters (const. & maint.), plasterers, & paperhangers	10.0	10.4	10.7	10.4	10.1	10.0	10.0	9.6	10.7	9.6	10.1	10.0	10.0	9.4	9.3	10.3
Plumbers and pipefitters	11.6	11.1	12.3	11.5	10.9	10.5	10.8	11.5	11.8	12.1	11.6	11.4	11.3	10.4	11.2	11.6
Other construction craftsmen	12.3	11.1	10.8	10.7	10.1	10.5	10.0	10.6	11.0	11.0	10.5	10.3	10.8	10.1	10.2	11.2
Foremen, n.e.c.	11.3	10.9	10.8	10.7	9.9	8.9	10.0	9.8	11.1	10.9	10.6	10.3	10.1	10.3	10.1	9.9
Mechanics and repairmen	10.7	11.0	9.7	10.3	10.3	10.3	10.3	10.3	11.1	10.9	10.6	10.3	10.1	10.3	10.1	10.1
Automobile, including body																
Metal craftsmen, except mechanics	11.0	10.6	11.0	11.0	10.4	9.5	10.2	10.6	11.2	10.8	10.9	10.5	10.6	10.5	10.5	11.1
Machinists, job setters, and toolmakers	11.1	10.7	11.1	11.0	10.4	9.5	10.3	10.7	11.2	11.0	10.9	10.5	10.7	10.6	10.0	11.1
Blacksmiths, forgers, hammermen, boiler-makers	10.5	9.7	10.2	10.2	9.4	10.0	10.0	9.5	10.9	10.4	11.0	10.7	10.0	9.7	10.8	11.1
Other metal craftsmen	10.9	10.6	10.6	11.0	10.4	10.0	10.1	10.6	11.3	10.5	11.4	10.4	10.9	10.6	10.8	11.1
Printing craftsmen	11.7	11.0	11.8	10.9	11.5	9.7	10.1	10.6	11.4	11.4	11.4	10.4	11.1	10.6	10.6	12.0
Stationary engineers and power station operators	12.3	11.0	11.8	10.9	10.4	10.6	9.7	11.3	11.0	11.3	11.7	11.1	11.8	10.7	10.6	12.0
Other craftsmen and kindred workers	11.3	10.1	10.8	10.2	9.6	9.8	9.7	10.3	11.5	10.4	10.7	10.0	11.5	10.7	10.5	10.5
<b>Operatives, except transport</b>																
Assemblers	11.0	10.0	10.7	9.8	9.7	8.9	9.2	10.2	11.0	10.7	10.4	9.7	10.2	9.4	9.8	10.5
Checkers, examiners, and inspectors, manufacturing	11.0	10.3	10.5	10.3	10.1	9.0	9.6	10.2	11.0	10.7	10.6	9.7	10.7	10.6	10.0	10.5
Filters, polishers, sanders, and buffers	11.8	11.1	11.7	11.4	11.1	9.8	9.9	11.2	11.3	11.6	11.0	11.2	10.7	10.6	10.0	11.1
Painters, manufactured articles	10.1	9.0	10.3	9.5	10.1	10.0	10.0	10.1	10.0	9.9	10.1	8.4	10.1	10.1	10.1	10.1
Precision machine operatives	10.2	9.5	9.6	9.8	9.0	8.3	9.0	10.2	10.7	9.3	9.9	9.2	10.3	9.9	9.2	10.6
Drill press operatives	10.9	10.2	10.4	10.5	9.2	9.0	9.2	10.2	10.7	10.7	10.5	10.2	9.5	9.9	9.5	9.8
Grinding machine operatives	10.6	9.3	10.7	10.0	10.5	10.0	10.0	10.0	10.7	10.0	10.1	10.7	10.0	10.0	10.0	11.6
Lathe and milling machine operatives	10.6	10.0	10.0	10.5	7.9	10.0	10.0	10.0	10.0	11.1	10.0	10.0	10.6	10.0	10.0	10.8
Loathe and milling machine operatives	11.1	10.8	10.7	10.7	10.2	9.2	10.0	10.9	10.0	11.1	10.8	9.9	10.1	10.0	10.0	10.5
Precision machine operatives, n.e.c.	11.2	10.9	10.0	10.4	11.2	9.1	10.0	10.8	10.3	10.0	10.0	10.0	9.7	10.0	10.0	10.5
Punch and stamping press operatives	10.1	9.9	11.0	9.9	10.0	10.0	10.0	10.8	10.3	10.0	10.0	9.5	9.7	10.0	9.8	10.5
Solders																
Stationary firemen	11.3	8.3	10.4	9.5	9.7	7.8	10.0	10.2	10.0	10.0	10.3	10.1	10.6	10.3	9.8	9.9
Welders and flame-cutters	10.3	9.9	10.0	10.2	10.1	9.0	10.0	10.4	10.4	10.4	10.2	10.1	10.1	9.6	9.9	9.9
Other specified operatives	10.7	9.8	10.3	9.5	9.7	8.9	9.1	10.1	10.9	10.4	10.1	9.1	9.7	9.6	9.9	9.8
Machine operatives, miscellaneous specified	10.6	9.5	10.4	10.0	9.7	11.1	9.5	10.2	11.1	10.7	10.4	10.3	10.3	9.3	9.2	10.6
Machine operatives, not specified	10.7	10.2	10.4	9.9	9.7	10.0	8.7	10.1	10.8	10.9	10.1	9.8	9.5	8.7	9.5	9.8
Miscellaneous operatives	11.0	9.8	10.4	10.1	10.0	11.1	10.1	10.3	11.1	10.6	10.5	10.0	10.8	9.4	10.0	11.6
Not specified operatives	11.0	10.4	10.1	9.9	10.0	11.1	9.1	10.6	11.1	10.9	10.3	10.0	10.0	9.4	10.5	10.8
<b>Transport equipment operatives</b>																
Deliverymen and roulemen	10.0	9.5	10.5	9.3	10.4	9.1	9.9	9.9	10.8	9.8	10.1	9.7	10.1	10.9	10.0	10.3
Fork lift and tow motor operatives	10.8	10.3	10.3	10.2	10.9	9.0	10.0	9.9	11.0	10.0	10.6	10.5	10.6	10.1	10.6	10.7
Truck drivers	9.8	9.5	10.3	10.1	9.7	9.1	10.4	10.0	10.4	9.9	10.1	9.5	9.9	9.3	9.9	9.3
Other transport equipment operatives	10.1	9.4	10.3	9.7	9.8	9.0	9.8	9.7	10.5	9.6	9.8	9.8	9.9	9.7	10.0	10.2
Other transport equipment operatives	10.0	9.4	11.1	8.9	9.6	8.9	10.5	10.5	10.8	9.8	10.5	9.6	10.3	11.0	9.8	10.4

<sup>1</sup>Includes allocated cases not shown separately.

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

	Manufacturing—Con.										Transportation, communications, and other public utilities					
	Aircraft and parts	Other transportation equipment	Other transportation equipment	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>Male, employed—Continued</b>																
<b>Laborers, except farm</b>																
Construction laborers	10.1	9.7	10.1	9.0	9.6	8.7	9.7	10.1	10.9	10.2	10.2	9.2	9.3	8.4	10.3	9.8
Freight, stock, and material handlers	10.7	9.7	10.6	10.3	9.9	9.1	9.8	10.3	10.9	9.9	9.9	9.8	9.6	7.8	9.8	11.0
Vehicle washers and equipment cleaners	8.9	8.7	8.7	8.7	10.0	8.2	9.8	10.2	10.4	10.4	10.4	9.9	9.7	8.3	10.3	9.7
Other specified laborers	10.0	8.5	8.7	8.7	9.5	7.1	9.4	9.6	10.6	10.0	9.6	9.6	8.5	8.4	9.6	10.2
Miscellaneous laborers	9.8	9.7	10.0	9.6	9.1	7.8	9.4	9.9	10.8	8.9	10.7	8.6	8.5	8.1	9.3	9.6
Not specified laborers	9.8	9.6	9.5	9.0	9.2	8.9	9.4	9.9	10.8	10.1	10.0	9.3	9.1	8.4	9.5	10.2
<b>Farm workers</b>																
Service workers, including private household	10.1	9.3	9.9	9.0	9.1	7.6	8.1	9.4	9.2	9.8	9.5	8.8	9.8	9.5	9.2	10.3
Cleaning service workers	9.2	8.7	9.3	8.8	8.9	7.6	8.2	9.2	9.0	9.6	9.4	8.8	9.4	8.3	9.2	9.7
Food service workers	—	—	—	—	9.6	—	—	—	—	9.0	—	—	9.8	10.0	—	9.7
Health service workers	—	—	—	—	—	—	—	—	—	—	—	—	11.8	—	—	11.8
Personal service workers	—	—	—	—	10.0	7.3	8.7	—	—	—	—	8.5	10.9	9.6	—	11.5
Guards and watchmen	11.1	9.8	10.7	9.9	9.1	7.6	7.5	9.8	9.7	10.5	10.0	9.5	10.9	10.5	8.6	10.3
Other service workers, including private household	10.9	10.6	10.8	8.9	9.9	—	—	10.8	11.4	10.8	10.3	8.6	9.8	10.1	—	10.7
<b>Female, employed</b>																
Professional, technical, and kindred workers	11.7	11.4	11.4	10.5	10.3	9.8	9.6	10.8	12.0	11.7	10.6	9.8	12.0	11.7	11.7	12.1
Accountants	13.3	13.3	13.5	13.1	12.7	12.0	12.3	13.1	14.2	13.6	12.8	13.2	13.2	13.0	12.5	13.2
Computer specialists	14.5	14.2	14.2	14.4	12.7	12.9	12.6	13.1	12.7	12.8	12.9	13.4	14.4	12.7	12.5	13.0
Engineers	14.2	—	14.6	14.9	—	—	—	—	14.1	14.9	—	14.9	13.3	—	—	14.6
Librarians, archivists, and curators	—	—	—	—	—	—	—	—	14.7	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	15.1	—	—	—	—	16.2	—	—	—	—	—	—
Physicians, dentists, and related practitioners	—	—	—	—	13.1	—	—	—	—	14.1	—	13.3	13.3	—	—	—
Registered nurses, dietitians, and therapists	13.0	—	—	14.0	—	—	—	13.5	—	—	—	—	—	—	—	—
Health technologists and technicians	—	—	—	—	—	—	—	—	—	—	—	—	14.2	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	12.5	—	12.6	12.2	11.8	10.3	11.0	12.2	13.1	12.3	12.3	13.1	13.7	—	—	—
Engineering and science technicians	13.1	—	13.6	13.3	—	13.2	12.8	13.7	14.3	14.9	—	12.7	14.0	—	—	11.8
Technicians, exc. health, and engineering and science	13.2	—	12.9	12.7	13.4	12.2	11.3	12.4	14.3	13.7	13.1	13.0	13.1	—	—	13.2
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.8
Other professional, technical, and kindred workers	12.9	12.4	12.8	12.2	12.2	12.3	11.8	12.6	12.7	12.8	12.6	12.0	12.7	11.1	12.0	13.1
Managers and administrators, except farm	12.9	12.3	13.0	12.3	12.2	12.1	11.7	12.6	12.6	12.8	12.8	12.2	12.8	11.1	12.0	13.1
Buyers, purchasing agents, and sales managers	12.8	12.3	12.7	12.3	12.3	12.2	11.7	12.6	12.8	12.8	12.9	12.3	12.7	11.1	12.1	13.1
Other managers and administrators	—	—	—	11.6	11.2	—	11.5	—	12.6	—	—	—	12.4	—	11.6	13.2
Salaries	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Sales workers</b>																
Clerical and kindred workers	12.2	12.2	12.1	11.9	12.0	11.9	11.8	12.1	12.1	12.2	12.0	11.8	12.1	12.0	12.0	12.4
Billing clerks	12.4	12.3	12.3	12.0	12.1	11.9	11.9	11.9	12.1	12.2	12.1	12.2	12.0	11.7	11.9	12.2
Bookkeepers	—	—	—	—	11.0	—	—	11.6	11.6	11.9	11.5	11.1	12.0	—	11.8	12.2
Cashiers	—	—	—	—	11.3	11.1	11.7	11.7	12.1	11.8	11.5	11.7	11.9	—	12.1	12.4
Counter clerks, except food	11.9	12.1	12.0	11.6	12.0	11.8	11.6	11.7	11.6	11.7	11.9	11.8	11.9	11.8	11.6	11.7
File clerks	12.0	12.0	12.2	11.9	11.9	11.9	11.6	11.9	11.7	12.0	12.0	11.6	12.1	12.0	11.9	11.9
Office machine operators	—	—	—	11.8	11.3	—	12.0	—	11.7	—	—	—	12.1	—	12.0	—
Bookkeeping and billing machine operators	11.9	12.1	12.2	11.9	12.0	11.9	11.5	12.1	12.0	12.1	12.1	11.9	12.1	12.0	11.9	11.8
Keypunch operators	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Includes allocated cases not shown separately.

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970 - Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

		Manufacturing - Con.										Transportation, communications, and other public utilities					
		Aircraft and parts	Other transportation equipment	Ordinance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other non-durable goods	Total <sup>1</sup>	Railroads and railway express service	Trucking service and warehousing	Other transportation
<b>United States</b>																	
<b>Female, employed - Continued</b>																	
<b>Clerical and kindred workers - Continued</b>																	
Payroll and timekeeping clerks	11.9	12.5	12.2	11.8	11.8	12.0	12.0	12.1	11.8	12.0	12.0	12.2	12.0	12.1	12.2	11.9	11.9
Receptionists	12.1	11.9	12.5	11.9	12.0	11.9	12.3	12.1	12.0	12.3	12.2	12.4	12.0	12.1	11.9	12.1	12.1
Secretaries	12.5	12.3	12.5	12.4	12.4	12.3	12.4	12.5	12.5	12.3	12.3	12.4	12.4	12.4	12.2	12.2	12.6
Statistical clerks	12.2	12.0	12.0	12.0	11.5	11.8	11.9	12.1	11.9	12.2	11.7	12.2	11.7	12.1	12.4	12.4	12.3
Stenographers	12.5	12.1	12.5	11.9	12.2	11.8	12.2	12.1	12.2	12.2	11.8	12.4	12.4	12.4	12.5	12.5	12.3
Telephone operators	11.8	11.6	12.0	11.4	11.6	11.4	11.4	11.6	11.6	11.4	11.8	11.4	12.0	11.9	11.5	11.1	11.1
Typists	12.2	12.2	12.0	12.1	12.2	12.1	12.0	12.1	12.1	12.0	12.0	12.0	12.1	11.9	12.0	12.1	12.1
Other clerical and kindred workers	11.9	11.8	11.5	11.6	11.4	11.3	11.7	12.1	11.9	11.4	11.4	11.4	11.4	11.9	11.8	11.8	12.6
<b>Craftsmen and kindred workers</b>																	
Foremen, n.e.c.	11.0	10.4	10.9	10.1	10.0	9.9	10.2	11.0	11.0	10.4	10.4	9.6	10.4	11.7	10.8	11.3	11.3
Mechanics and repairmen	12.0	11.2	11.5	10.7	10.1	10.2	10.4	11.6	11.2	10.9	10.9	10.4	11.1	10.9	10.7	11.1	11.1
Printing craftsmen	10.9	...	10.4	10.3	9.7	10.5	10.3	11.0	11.0	10.3	10.3	9.8	11.0	10.7	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3	11.0	10.3	10.3	...	10.3	10.9	10.7	11.2	11.2
Printing craftsmen	10.9	...	10.4	10.9	...	10.8	10.1	10.3</									

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

[Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Occupation	Transport, comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>														
<b>Male, employed</b>														
<b>Professional, technical, and kindred workers</b>														
Accountants	13.7	14.4	14.4	13.7	14.3	13.9	13.9	14.1	12.8	15.1	14.9	14.8	15.0	14.9
Architects	14.8	14.5	14.7	14.5	14.9	14.2	14.2	15.4	14.4	14.3	14.7	14.5	14.7	14.9
Computer specialists	14.3	14.5	14.5	13.5	14.4	13.8	13.4	13.4	13.9	14.2	14.2	13.9	14.3	14.3
Engineers	13.8	15.1	15.0	13.2	14.2	13.9	15.0	14.4	14.6	14.4	14.6	15.0	14.6	14.7
Aeronautical and astronautical	—	16.1	16.3	—	—	—	—	—	—	—	—	—	—	—
Civil	14.1	14.9	14.9	—	—	—	—	—	—	—	14.6	—	14.2	14.9
Electrical and electronic	13.7	15.1	15.4	—	—	—	—	—	—	14.1	14.2	—	14.7	—
Industrial	14.7	14.3	14.6	—	14.8	—	—	—	—	14.7	14.7	—	14.7	—
Mechanical	14.8	16.0	14.7	—	14.1	—	—	—	—	14.7	12.9	—	14.7	—
Other engineers	13.9	15.0	14.9	—	14.6	—	14.7	—	—	14.5	14.8	—	14.7	14.8
Lawyers and judges	18.3	18.0	18.4	—	—	—	—	—	—	—	18.2	18.3	18.2	18.1
Librarians, archivists, and curators	12.4	14.9	15.8	—	—	—	—	—	—	13.0	—	—	16.1	—
Mathematical specialists	16.4	15.7	15.7	16.0	—	—	—	—	—	15.2	15.9	—	16.1	—
Life and physical scientists	14.2	14.6	14.9	—	15.6	—	—	—	—	—	14.8	15.3	14.3	15.5
Chemists	14.0	14.2	13.7	12.0	14.2	13.3	13.7	13.7	14.3	13.3	14.5	14.3	14.6	14.6
Operations and systems researchers and analysts	—	—	—	—	15.4	15.9	—	—	—	16.0	—	—	—	—
Personnel and labor relations workers	—	—	—	—	15.4	—	—	—	—	—	—	—	—	—
Physicians, dentists, and related practitioners	—	—	—	—	15.4	—	—	—	—	—	—	—	—	—
Dentists	—	—	—	—	15.4	—	—	—	—	—	—	—	—	—
Pharmacists	—	—	—	—	15.4	—	—	—	—	15.9	—	—	—	—
Physicians, medical and osteopathic	—	—	—	—	15.8	—	—	—	—	15.7	—	—	—	—
Other related practitioners	—	—	—	—	16.6	—	—	—	—	16.6	—	—	—	—
Registered nurses, dietitians, and therapists	—	11.6	—	—	—	—	—	—	—	—	—	—	—	—
Health technologists and technicians	—	15.7	15.5	—	—	—	—	—	—	—	—	—	—	—
Religious workers	14.6	—	—	—	—	—	—	—	—	13.8	16.9	16.4	17.2	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teachers, college and university	13.0	12.9	14.2	—	—	—	—	—	—	—	—	—	—	—
Teachers, except college and university	12.8	12.7	12.7	12.2	13.2	—	—	—	—	12.9	13.4	13.7	14.3	13.0
Engineering and science technicians	12.3	13.0	12.9	—	13.7	—	—	—	—	12.9	14.1	—	—	13.7
Draftsmen	12.7	12.9	12.6	—	12.7	—	—	—	—	12.5	—	—	—	—
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other engineering and science technicians	13.5	12.8	12.6	11.9	—	—	—	—	—	13.3	12.6	—	—	12.4
Technicians, exc. health, and eng. and science	12.8	12.2	12.5	—	—	—	—	—	—	12.6	12.9	—	13.0	12.8
Airplane pilots	—	—	12.5	—	—	—	—	—	—	—	—	—	—	—
Embalmers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radio operators and air traffic controllers	13.0	11.6	12.6	—	—	—	—	—	—	—	—	—	—	—
Other technicians, exc. health, and eng. and science	13.9	13.7	13.6	13.0	13.5	12.9	12.5	12.6	12.1	13.5	14.4	14.5	14.6	13.9
Writers, artists, and entertainers	15.0	13.5	14.1	13.7	15.3	13.8	13.3	—	—	12.8	14.7	16.0	16.4	14.2
Other professional, technical, and kindred workers	13.7	12.8	12.9	12.1	13.1	11.4	11.5	12.8	—	12.3	13.9	14.1	14.3	13.2
Managers and administrators, except farm	14.2	13.8	13.0	11.9	13.5	11.6	12.6	11.5	12.4	12.8	13.9	13.7	13.9	14.0
Buyers, purchasing agents, and sales managers	13.6	12.6	12.8	12.3	12.9	11.3	11.4	12.8	11.6	12.3	13.9	14.2	14.4	13.1
Other managers and administrators	13.6	12.7	13.1	12.5	12.3	11.9	11.8	13.0	12.1	12.5	14.0	14.2	14.3	13.1
Salaried	13.9	10.4	11.7	11.5	11.7	10.4	10.9	12.3	11.0	11.7	13.1	13.2	13.7	13.0
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Sales workers</b>	13.7	13.1	12.7	12.0	12.1	10.8	11.8	12.1	11.2	11.8	13.6	14.2	13.4	13.7
Newsboys	13.7	12.3	12.1	11.9	10.6	11.7	12.1	—	—	10.5	13.6	14.2	13.4	13.7
Other specified sales workers	13.6	13.1	12.8	12.0	12.2	10.8	11.8	12.1	11.2	11.9	14.2	14.1	13.4	14.4
Salesmen and sales clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

United States	Wholesale trade		Retail trade				Finance, insurance, and real estate					
	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>Male, employed—Continued</b>												
<b>Clerical and kindred workers</b>												
Bookkeepers	12.4	11.9	11.7	11.4	11.9	12.1	11.4	11.7	12.1	12.9	13.8	12.6
Cashiers	13.4	12.6	12.4	12.4	11.9	13.0	12.2	12.6	12.9	12.9	12.8	12.6
Estimators and investigators, n.e.c.	...	11.8	11.5	11.5	11.9	12.5	...	12.1	12.5	14.1	14.2	13.8
Office machine operators	12.9	12.7	12.8	12.5	12.0	12.0	12.0	12.3	12.6	12.8	12.9	12.5
Secretaries, stenographers, and typists	12.1	12.6	12.7	12.3	13.1	12.9	12.3	12.7	13.1	13.4	13.3	12.5
Shipping and receiving clerks	12.0	11.3	11.0	10.6	11.0	11.5	9.5	11.0	11.8	11.7	11.7	12.2
Stock clerks and stockkeepers	11.5	11.4	11.5	11.0	11.3	11.8	11.0	11.3	12.0	12.7	14.0	12.5
Other clerical and kindred workers	12.5	11.7	11.2	11.2	11.9	12.0	11.4	11.5	13.2	11.7	14.0	12.5
<b>Craftsmen and kindred workers</b>												
Construction craftsmen	12.0	11.1	10.9	10.5	10.6	9.7	10.6	10.7	10.6	11.7	12.1	10.0
Brickmasons and stonemasons	11.7	10.1	10.2	10.4	10.3	10.7	10.0	10.2	9.7	10.3	9.9	9.6
Carpenters	10.9	10.7	9.8	9.6	10.3	...	9.4	10.0	9.6	9.9	8.6	9.7
Electricians	11.9	10.2	9.6	9.2	11.1	...	...	11.4	10.7	...	11.4	10.3
Excavating, grading and road machine operators	...	11.4	11.0	10.0	...	...	...	...	9.4	...	...	9.3
Painters (const. & maint.), plasterers, & paperhangers	...	9.6	8.9	9.7	...	...	10.5	9.5	9.3	...	...	10.1
Plumbers and pipefitters	12.0	10.4	10.6	10.7	10.0	...	...	10.7	10.1	...	...	10.1
Other construction craftsmen	...	10.0	10.6	10.3	10.4	...	...	10.4	10.2	...	...	10.1
Foremen, n.e.c.	12.3	11.4	11.5	11.1	11.6	12.0	12.1	10.8	12.3	13.3	13.4	11.0
Mechanics and repairmen	11.9	10.9	11.0	10.3	10.3	11.1	10.8	10.8	10.4	11.0	11.0	10.2
Automobile, including body	11.0	10.5	10.1	9.9	10.5	11.0	...	10.0	10.3	...	...	...
<b>Metal craftsmen, except mechanics</b>												
Machinists, job setters, and toolmakers	11.5	10.6	10.5	9.8	11.2	...	...	10.3	10.9	...	...	10.8
Blacksmiths, forgemen, hammermen, boilermakers	...	10.7	10.6	10.8	10.8	...	...	10.2	11.6	...	...	...
Other metal craftsmen	...	10.8	9.8	...	...	...	...	9.3	...	...	...	...
Printing craftsmen	11.5	10.6	10.2	9.8	...	...	...	10.5	...	11.9	12.1	10.8
Stationary engineers and power station operators	11.6	12.1	11.5	11.9	11.3	...	...	11.8	10.8	10.7	11.3	10.8
Other craftsmen and kindred workers	12.0	11.3	10.8	9.6	10.9	9.2	10.0	10.6	10.9	12.1	12.7	9.8
<b>Operatives, except transport</b>												
Assemblers	11.7	10.6	9.6	9.4	10.7	9.2	10.0	9.9	10.7	11.7	11.8	10.0
Checkers, examiners, and inspectors, manufacturing	...	11.1	10.5	9.7	10.8	...	...	10.6	...	...	...	...
Filers, polishers, sanders, and buffers	...	...	...	...	...	...	...	10.0	...	...	...	...
Painters, manufactured articles	...	9.5	10.4	...	10.6	...	...	10.1	...	...	...	...
Precision machine operatives	...	10.4	10.4	...	9.9	...	...	9.8	...	...	...	...
Drill press operatives	...	...	...	...	...	...	...	...	...	...	...	...
Grinding machine operatives	...	10.3	10.3	...	...	...	...	...	...	...	...	...
Lathe and milling machine operatives	...	10.4	10.4	...	...	...	...	...	...	...	...	...
Precision machine operatives, n.e.c.	...	10.0	10.0	...	...	...	...	...	...	...	...	...
Punch and stamping press operatives	...	10.0	10.0	...	...	...	...	...	...	...	...	...
Solders	...	...	9.1	...	...	...	...	...	...	...	...	9.2
Stationary firemen	...	10.7	9.4	...	...	...	...	8.7	9.4	...	...	...
Welders and flame-cutters	...	10.8	9.4	...	9.8	...	...	10.1	...	...	...	...
Other specified operatives	11.7	10.2	10.6	9.4	10.7	9.1	9.9	9.9	10.7	...	...	10.2
Machine operatives, miscellaneous specified	12.4	10.6	9.6	9.4	10.4	...	...	9.8	11.8	...	...	...
Machine operatives, not specified	...	10.0	9.8	9.7	9.9	...	...	9.6	10.6	...	...	10.1
Miscellaneous operatives	11.7	10.6	10.3	9.0	10.4	...	...	10.1	10.1	...	...	...
Not specified operatives	...	10.9	9.7	8.7	10.4	...	...	9.9	10.9	...	...	...
<b>Transport equipment operatives</b>												
Deliverymen and roulemen	11.4	9.3	10.3	10.5	10.4	10.5	11.1	10.2	10.1	9.9	11.3	10.0
Fork lift and tow motor operatives	11.8	10.1	10.7	10.9	10.6	10.9	11.5	10.6	11.5	12.3	...	11.1
Truck drivers	10.7	9.3	10.0	10.0	10.4	10.1	10.3	9.5	10.1	...	...	9.7
Other transport equipment operatives	11.7	9.9	9.9	10.5	10.3	10.5	11.0	9.8	9.7	9.1	...	9.9



Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

Occupation	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate				
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel and accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>														
<b>Male, employed—Continued</b>														
<b>Laborers, except farm</b>														
Construction laborers	9.0	9.7	9.8	10.0	9.7	11.2	10.1	11.0	10.2	9.6	9.7	10.3	10.5	8.7
Freight, stock, and material handlers	11.3	8.7	10.5	10.2	11.1	11.2	10.8	11.0	11.3	10.5	11.5	11.5	11.4	11.4
Vehicle washers and equipment cleaners	11.4	9.4	9.5	9.6	9.7	9.4	9.7	...	7.4	9.7	...	...	...	8.4
Other specified laborers	...	8.8	8.9	8.9	10.2	10.8	9.3	...	...	10.3	...	...	...	8.6
Miscellaneous laborers	10.5	9.0	9.3	9.5	9.8	10.2	10.1	...	9.6	9.6	...	...	...	9.1
Not specified laborers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Farm workers</b>														
Service workers, including private household	10.1	9.6	9.3	9.4	10.2	9.9	8.9	9.6	10.4	9.6	9.2	9.4	9.7	9.1
Cleaning service workers	9.8	9.5	9.2	9.2	9.3	9.3	8.8	9.5	9.1	9.3	9.1	8.8	9.0	9.1
Food service workers	...	...	9.7	9.5	10.5	10.5	...	...	10.5	10.5	9.8	10.1	9.0	10.2
Health service workers	...	...	...	...	11.4	...	...	...	...	...	...	...	...	...
Personal service workers	...	...	10.0	10.8	11.2	...	...	10.2	11.7	10.9	8.9	9.6	10.8	8.9
Guards and watchmen	11.4	9.5	9.3	9.7	10.0	10.0	8.1	10.3	9.7	9.0	10.0	10.2	10.8	9.7
Other service workers, including private household	...	10.1	9.3	10.7	9.6	11.4	9.9	...	...	9.6	8.6	10.4	...	8.6
<b>Female, employed</b>														
Professional, technical, and kindred workers	12.1	12.2	11.6	10.9	11.1	11.0	11.8	11.4	10.5	11.3	12.2	12.2	12.2	12.0
Accountants	13.2	13.8	13.3	13.0	13.1	12.5	12.8	12.9	12.0	13.5	13.4	13.4	13.4	13.7
Computer specialists	12.5	12.8	12.9	12.6	12.5	12.3	12.9	12.5	12.8	12.8	12.7	12.7	12.7	13.5
Engineers	14.4	14.6	14.5	...	14.1	...	...	...	...	14.1	14.1	14.1	14.2	14.3
Librarians, archivists, and curators	13.1	14.5	14.5	...	...	...	...	...	...	...	13.8	...	...	...
Life and physical scientists	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Physicians, dentists, and related practitioners	...	...	...	...	15.2	...	...	...	...	15.2	...	...	...	...
Registered nurses, dietitians, and therapists	...	...	13.6	...	13.5	...	...	...	13.8	...	13.7	...	13.8	...
Health technologists and technicians	...	...	...	...	13.2	...	...	...	...	...	15.2	...	...	...
Social scientists	...	14.4	...	...	12.6	...	...	...	...	...	15.2	15.3	...	...
Social and recreation workers	...	...	...	...	...	...	...	...	...	...	13.5	...	...	...
Teachers, except college and university	12.9	12.8	12.4	12.0	12.8	...	...	...	...	12.6	...	...	...	...
Engineering and science technicians	12.5	12.8	12.7	...	12.7	...	...	...	...	12.7	...	12.7	...	...
Technicians, exc. health, and engineering	14.1	14.4	13.6	...	13.7	...	...	13.1	11.7	13.1	13.8	13.9	13.6	13.9
Writers, artists, and entertainers	12.9	14.9	13.0	13.4	12.5	12.2	...	13.2	11.8	12.4	13.7	13.7	13.8	13.7
Other professional, technical, and kindred workers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Managers and administrators, except farm	12.7	12.9	12.4	12.2	11.5	10.5	11.7	12.1	10.8	11.8	12.2	12.5	12.6	11.7
Buyers, purchasing agents, and sales managers	12.7	12.9	12.3	11.6	12.1	11.1	12.7	12.2	11.0	12.3	12.8	12.9	12.6	13.0
Other managers and administrators	12.7	13.0	12.5	12.6	11.6	10.4	11.6	12.0	10.8	11.7	12.2	12.5	12.6	11.7
Salaried	12.7	13.0	12.5	12.6	11.6	10.9	12.0	12.1	11.1	11.8	12.3	12.5	12.6	11.7
Self-employed	...	...	11.9	11.5	10.9	10.2	10.9	11.7	10.5	11.6	11.9	...	13.4	11.7
<b>Sales workers</b>														
Clerical and kindred workers	12.6	12.6	11.7	11.0	11.3	10.7	11.5	11.4	10.7	11.3	12.6	12.8	12.4	12.6
Billing clerks	12.0	12.2	12.0	12.0	11.6	11.3	12.0	11.8	11.3	11.7	12.2	12.2	12.2	12.2
Bookkeepers	11.9	12.1	11.9	11.9	11.8	11.8	11.9	11.8	...	12.0	12.1	12.1	12.2	12.3
Cashiers	12.2	12.2	12.1	12.1	12.0	11.8	12.0	12.1	11.8	12.2	12.2	12.2	12.2	12.3
Counter clerks, except food	12.1	12.1	11.7	11.9	11.3	11.4	11.6	11.3	11.4	11.5	11.7	12.3	...	11.4
File clerks	12.0	12.2	11.6	11.4	11.6	11.4	11.7	11.7	11.4	11.4	11.8	11.8	11.8	11.8
Office machine operators	12.1	12.2	11.9	11.9	11.7	11.7	11.8	11.8	11.2	11.9	12.0	12.1	12.0	11.8
Bookkeeping and billing machine operators	12.0	11.9	12.0	11.8	11.7	11.8	11.7	11.7	11.9	11.9	12.1	12.1	11.4	11.6
Keypunch operators	12.2	12.2	12.0	12.1	11.9	12.1	11.9	12.0	...	12.0	12.0	12.0	12.0	11.9

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

Date based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.

	Transport., comm., and other public utilities—Con.		Wholesale trade		Retail trade					Finance, insurance, and real estate					
	Com-muni-cations	Utilities and sanitary services	Total	Food and farm products	Total	General merchandise stores	Food stores	Auto-motive dealers and gasoline stations	Apparel accessories stores	Eating and drinking places	Other retail trade	Total	Banking and credit agencies	Insurance	Other finance and real estate
<b>United States</b>															
<b>Female, employed—Continued</b>															
<b>Clerical and kindred workers—Continued</b>															
Payroll and timekeeping clerks	11.8	12.2	12.1	12.1	11.8	11.7	11.7	12.1	11.7	12.0	12.0	12.2	12.1	12.2	12.5
Receptionists	12.5	12.3	12.1	12.1	11.9	11.8	12.1	12.1	11.2	12.0	11.9	12.3	12.5	12.4	12.5
Secretaries	12.0	12.4	12.4	12.4	12.3	12.3	12.2	12.2	12.4	12.4	12.2	12.4	12.1	12.2	12.4
Statistical clerks	12.4	12.2	12.0	11.9	11.9	11.7	12.0	12.0	12.2	11.7	12.5	12.2	12.4	12.2	11.9
Stenographers	11.9	12.5	12.4	12.4	12.4	12.2	11.4	12.0	11.7	11.7	11.5	11.5	11.8	11.5	11.1
Telephone operators	12.1	11.5	11.5	11.5	11.5	11.5	11.8	12.0	11.7	12.3	12.0	12.1	12.1	12.1	12.1
Typists	12.1	12.2	12.0	12.0	12.0	12.0	11.8	12.0	11.5	11.5	11.3	12.2	12.2	12.3	11.9
Other clerical and kindred workers	12.3	12.1	11.7	11.6	11.4	11.6	11.2	11.8	11.5	11.5	11.3	12.2	12.2	12.3	11.9
<b>Craftsmen and kindred workers</b>															
Foremen, n.e.s.	12.1	11.5	10.7	10.0	11.1	11.6	10.4	10.5	10.6	10.1	11.5	11.8	11.9	12.1	11.2
Mechanics and repairmen	12.3	12.3	10.8	10.4	11.5	11.5	11.5	10.4	11.4	10.8	12.0	12.1	12.0	12.3	11.9
Printing craftsmen	11.3	11.3	10.8	10.8	10.6	10.9	10.4	10.4	10.4	10.4	12.7	11.7	11.4	11.4	10.6
<b>Operatives, except transport</b>															
Assemblers	11.3	10.8	9.4	9.2	10.1	10.2	10.4	10.4	9.8	9.7	9.8	11.5	11.9	11.9	10.6
Battling and canning operatives	11.0	10.6	10.6	10.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Checkers, examiners, inspectors, manufacturing	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Graders and sorters, manufacturing	9.7	9.7	9.7	9.6	9.7	10.5	10.5	10.5	10.7	10.0	10.2	10.5	10.5	10.5	10.5
Packers and sorters, manufacturing	8.7	8.7	8.7	8.7	9.1	10.5	9.0	9.0	10.7	10.0	10.2	10.5	10.5	10.5	10.5
Produce graders and packers, exc. factory and farm	9.6	9.6	9.6	9.6	9.1	10.5	9.0	9.0	10.7	10.0	10.2	10.5	10.5	10.5	10.5
Mixing operatives	9.6	9.6	9.6	9.6	9.1	10.5	9.0	9.0	10.7	10.0	10.2	10.5	10.5	10.5	10.5
Sawyers and stichers	8.9	8.9	8.9	8.9	9.9	10.1	10.2	10.2	9.8	9.1	9.6	10.7	11.8	12.3	10.4
Other specified operatives	9.8	9.8	9.8	9.8	9.9	10.1	10.0	10.5	10.1	9.4	9.9	11.9	11.8	12.3	10.4
Machine operatives, miscellaneous specified	10.1	10.1	10.1	10.1	10.2	11.2	9.4	9.4	10.1	10.0	10.0	11.5	11.5	11.5	10.4
Machine operatives, not specified	9.2	9.2	9.2	8.8	9.9	10.1	9.8	9.8	9.6	10.0	10.2	11.5	11.5	11.5	10.4
Miscellaneous operatives	10.4	10.4	10.4	10.0	10.4	10.4	10.5	10.5	10.4	10.0	10.2	11.5	11.5	11.5	10.4
Not specified operatives	9.0	9.0	9.0	9.0	10.6	10.3	10.2	10.6	10.3	11.3	10.5	12.0	12.0	12.0	10.4
<b>Transport equipment operatives</b>															
Deliverymen and routemen	10.6	9.3	10.1	9.5	10.6	10.3	10.1	10.6	10.7	11.5	11.0	12.0	10.1	9.1	9.1
<b>Laborers, except farm</b>															
<b>Farm workers</b>															
<b>Service workers, except private household</b>															
Cleaning service workers	9.9	10.0	9.4	9.3	10.4	10.5	10.5	9.5	10.6	10.5	9.6	8.9	9.0	9.1	8.9
Cleaners and charwomen	9.3	9.8	8.5	8.1	9.1	9.1	8.4	8.9	9.2	9.3	8.8	8.7	8.7	8.7	8.7
Food service workers	10.1	10.4	9.8	9.8	8.8	8.8	7.9	9.2	9.1	8.9	8.7	8.5	8.4	8.5	8.6
Waiters and food counter workers	10.1	10.4	9.8	9.8	10.5	10.5	10.6	10.0	10.6	10.5	10.4	9.8	9.6	9.4	10.3
Health service workers	10.1	10.4	10.8	11.3	10.8	10.7	11.0	11.0	11.2	10.8	10.5	10.2	10.2	9.1	10.9
Personal service workers	11.1	11.1	11.0	11.0	11.5	11.2	10.8	11.0	11.7	11.0	13.0	11.2	10.0	9.4	10.3
Protective service workers	11.1	11.1	11.0	11.0	11.3	11.4	11.4	11.0	11.1	11.0	11.0	10.7	10.0	9.4	10.5
<b>Private household workers</b>															

Includes allocated cases not shown separately.

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970 - Continued

[Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

United States	Professional and related services													
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit organizations	Other professional and related services	Public administration		
							Government	Private	Health services, except hospitals					
Male, employed	Total	Hospitals	Health services, except hospitals	Government	Private	Welfare, religious, nonprofit organizations	Other professional and related services	Public administration						
Accountants	12.7	10.4	10.7	10.9	10.3	11.4	14.9	12.7	16.2	15.5	14.8	14.2	15.0	12.4
Architects	14.9	13.5	13.7	13.7	12.9	13.1	16.8	16.2	18.0	17.3	16.9	16.2	15.9	14.9
Computer specialists	14.4	14.7	15.0	13.8	14.8	14.8	15.5	14.8	14.4	15.2	15.2	14.8	15.5	15.9
Engineers	15.2	14.1	15.3	11.0	13.7	13.3	16.6	14.5	15.3	15.7	15.4	14.1	15.0	14.3
Aeronautical and astronautical	16.6	16.6	14.1	11.0	13.7	13.3	15.8	14.4	16.6	16.1	16.2	15.8	15.8	15.3
Chemical	17.6	17.6	16.6	11.0	13.7	13.3	16.9	16.6	16.6	16.1	16.2	16.7	16.7	16.0
Civil	17.6	17.6	16.6	11.0	13.7	13.3	17.0	16.6	16.6	16.1	16.2	16.7	16.7	16.8
Electrical and electronic	15.7	15.7	15.1	11.0	13.7	13.3	15.9	14.5	16.5	15.9	15.5	16.1	15.7	15.2
Industrial	16.3	16.3	15.1	11.0	13.7	13.3	15.6	14.5	16.5	15.7	16.1	16.1	15.7	15.7
Mechanical	16.4	16.4	13.9	11.0	13.7	13.3	13.8	14.6	16.5	15.1	15.5	16.1	16.1	14.7
Other engineers	16.1	16.1	13.9	11.0	13.7	13.3	15.2	12.2	17.7	15.3	16.8	15.9	15.3	15.5
Other engineers	15.7	15.7	13.9	11.0	13.7	13.3	15.9	15.3	17.7	17.3	16.8	15.9	15.7	15.1
Lawyers and judges	17.6	17.6	17.6	11.0	13.7	13.3	18.4	18.4	18.4	18.7	17.3	18.5	18.4	17.9
Librarians, archivists, and curators	17.6	17.6	17.6	11.0	13.7	13.3	16.4	16.4	16.4	16.5	16.2	17.2	17.7	15.7
Mathematical specialists	17.6	17.6	17.6	11.0	13.7	13.3	17.0	17.0	17.0	17.2	17.2	17.2	17.2	16.3
Life and physical scientists	17.2	17.2	17.2	11.0	13.7	13.3	17.5	17.2	17.2	17.7	17.9	17.1	17.4	16.6
Chemists	16.7	16.7	16.7	11.0	13.7	13.3	17.6	17.5	17.5	17.9	18.4	17.9	16.9	16.9
Operations and systems researchers and analysts	15.8	15.8	14.8	11.0	13.7	13.3	16.1	15.4	16.0	16.1	15.9	14.7	16.2	14.4
Personnel and labor relations workers	14.3	13.1	14.8	13.7	12.5	14.0	15.9	18.4	18.4	17.1	15.9	14.7	15.2	14.9
Physicians, dentists, and related practitioners	18.7	18.7	18.7	11.0	13.7	13.3	18.4	18.6	18.4	18.7	18.6	17.6	18.3	17.9
Dentists	18.7	18.7	18.7	11.0	13.7	13.3	16.5	16.4	17.4	18.9	18.7	17.6	18.3	17.8
Pharmacists	18.7	18.7	18.7	11.0	13.7	13.3	18.7	18.7	18.7	18.9	18.7	17.7	18.9	18.1
Physicians, medical and osteopathic	18.7	18.7	18.7	11.0	13.7	13.3	18.7	18.7	18.7	18.9	18.7	17.7	18.9	17.9
Other related practitioners	18.7	18.7	18.7	11.0	13.7	13.3	17.0	18.1	17.0	18.9	18.7	17.7	18.9	17.9
Registered nurses, dietitians, and therapists	14.9	14.9	14.9	11.0	13.7	13.3	14.2	13.7	14.9	16.6	15.1	15.8	15.7	15.3
Health technologists and technicians	14.9	14.9	14.9	11.0	13.7	13.3	14.2	13.9	14.2	15.4	15.3	16.6	15.7	14.5
Religious workers	16.3	16.3	16.3	11.0	13.7	13.3	16.6	18.3	15.9	17.8	17.8	16.6	16.0	17.8
Social scientists	14.4	14.4	14.4	11.0	13.7	13.3	18.2	18.1	18.4	18.5	18.0	17.5	18.0	16.6
Social and recreation workers	14.4	14.4	14.4	11.0	13.7	13.3	15.8	16.8	16.5	16.2	15.6	15.7	14.7	15.4
Teachers, college and university	14.6	14.6	14.6	11.0	13.7	13.3	18.2	18.2	18.2	18.2	18.1	15.7	14.7	15.4
Teachers, except college and university	13.1	12.9	12.5	11.0	13.7	13.3	16.9	15.5	14.7	17.1	16.2	14.5	13.5	13.8
Engineering and science technicians	13.0	13.0	12.9	11.0	13.7	13.3	13.6	13.9	13.7	15.0	14.7	12.7	13.3	12.9
Draftsmen	12.9	12.9	12.9	11.0	13.7	13.3	13.6	13.9	13.7	14.3	13.3	13.2	13.5	13.3
Electrical and electronic engineering technicians	12.0	12.0	12.5	11.0	13.7	13.3	13.2	12.3	14.3	13.8	13.5	13.2	13.2	12.5
Industrial and mechanical engineering technicians	13.3	13.3	13.3	11.0	13.7	13.3	13.5	14.5	14.3	15.5	15.3	12.4	12.8	12.6
Other engineering and science technicians	13.3	13.3	13.3	11.0	13.7	13.3	13.8	14.5	14.3	15.5	15.3	12.4	12.8	12.9
Technicians, exc. health, and eng. and science	12.9	12.9	11.7	11.0	13.7	13.3	13.4	14.4	14.4	13.8	13.3	13.1	13.1	12.5
Airplane pilots	13.5	13.5	13.5	11.0	13.7	13.3	13.5	14.4	14.4	13.3	13.3	13.1	13.1	13.9
Embalmers	13.4	13.4	13.4	11.0	13.7	13.3	13.4	14.4	14.4	13.3	13.3	13.1	13.1	12.4
Radio operators and air traffic controllers	13.4	13.4	13.4	11.0	13.7	13.3	13.4	14.4	14.4	13.3	13.3	13.1	13.1	12.4
Other technicians, exc. health, and eng. and science	13.4	13.4	13.4	11.0	13.7	13.3	13.4	14.4	14.4	13.3	13.3	13.1	13.1	12.4
Writers, artists, and entertainers	13.0	13.0	13.5	13.2	12.8	13.0	14.8	14.6	15.0	13.5	13.3	14.9	14.4	14.1
Other professional, technical, and kindred workers	16.2	16.2	13.7	11.0	13.7	13.3	15.9	16.5	16.7	17.6	17.0	16.3	14.6	14.9
Managers and administrators, except farm	14.1	11.7	12.0	11.9	12.2	12.4	15.9	14.9	14.6	17.6	16.1	13.7	14.8	13.3
Buyers, purchasing agents, and sales managers	14.0	13.2	13.1	13.2	12.6	12.4	15.9	14.9	14.6	17.6	16.1	13.7	14.8	13.3
Other managers and administrators	14.1	11.7	12.0	11.9	12.2	12.4	15.9	14.9	14.6	17.6	16.1	13.7	14.8	13.3
Salaries	14.3	12.1	12.6	12.3	12.5	12.6	15.9	14.9	14.6	17.6	16.1	13.7	14.8	13.3
Self-employed	13.1	11.1	11.0	11.3	11.7	11.6	13.8	15.2	12.1	13.5	13.5	13.3	14.8	13.3
Sales workers	13.7	11.8	11.7	12.4	12.0	12.1	13.5	11.5	12.4	14.9	13.2	13.3	14.1	12.2
Newsboys	13.8	11.8	11.1	12.4	10.4	10.1	13.4	11.5	12.4	14.9	13.2	13.3	14.1	12.2
Other specified sales workers	13.5	11.8	12.1	12.4	10.4	10.1	13.4	11.5	12.4	14.9	13.2	13.3	14.1	12.2
Salesmen and sales clerks, n.e.c.	13.5	11.8	12.1	12.4	10.4	10.1	13.4	11.5	12.4	14.9	13.2	13.3	14.1	12.2



Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970—Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

United States	Professional and related services												
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit membership organizations	Other professional and related services	Public administration	
							Total	Hospitals	Health services, except hospitals				Government
<b>Male, employed—Continued</b>													
<b>Labors, except farm</b>													
Construction laborers	10.2	10.2	9.0	9.2	8.2	9.6	9.7	9.6	10.6	10.6	9.5	9.8	10.0
Freight, stock, and material handlers	10.1	10.4	9.0	10.1	8.7	...	9.7	...	10.6	10.6	9.1	...	9.2
Vehicle washers and equipment cleaners	10.7	10.1	10.6	10.1	9.6	11.5	11.0	...	11.8	12.2	10.3	12.1	10.9
Other specified laborers	9.5	10.2	9.2	9.0	8.0	9.4	9.3	9.6	10.3	10.0	9.3	9.5	8.9
Miscellaneous laborers	11.1	...	9.0	9.2	7.9	10.0	8.8	9.1	12.4	11.3	9.4	10.2	9.4
Not specified laborers	9.9	10.3	9.4	9.2	8.7	10.0	...	...	11.0	11.3	...	...	8.7
<b>Farm workers</b>													
Service workers, including private household	10.2	9.5	9.0	10.1	10.0	10.4	10.4	10.3	10.1	10.6	9.8	9.7	11.5
Cleaning service workers	10.1	9.5	9.4	9.3	9.2	9.1	9.2	9.2	9.7	9.9	10.8	9.9	9.4
Food service workers	10.7	...	...	10.2	...	10.8	9.9	10.2	11.9	12.2	10.6	11.2	10.0
Health service workers	...	...	...	...	...	...	11.3	11.2	12.2	13.2	10.4	10.4	11.6
Personal service workers	10.5	...	10.0	10.8	10.4	11.1	10.3	11.2	13.3	13.2	11.6	10.9	11.0
Guards and watchmen	10.1	8.9	10.3	10.5	8.6	10.2	10.3	9.6	11.0	10.8	10.0	11.2	11.1
Other service workers, including private household	11.7	...	8.9	...	9.1	9.2	10.7	11.7	11.8	11.3	12.1	9.6	11.9
<b>Female, employed</b>													
<b>Professional, technical, and kindred workers</b>													
Accountants	12.2	11.5	11.2	10.4	9.6	11.6	12.2	11.9	14.7	14.1	12.7	12.4	12.3
Computer specialists	13.7	11.9	13.0	13.0	11.7	13.0	13.7	13.6	16.3	15.6	14.8	13.9	13.9
Engineers	15.1	...	12.8	12.2	12.6	13.3	13.0	13.2	13.2	13.3	13.2	13.6	12.8
Librarians, archivists, and curators	15.8	...	...	...	...	...	14.1	...	14.8	15.4	...	...	14.1
Life and physical scientists	15.0	...	...	...	...	...	14.5	...	15.8	14.2	...	15.8	15.0
Physicians, dentists, and related practitioners	15.9	...	...	...	...	...	15.8	...	16.8	16.7	14.1	16.6	16.1
Registered nurses, dietitians, and therapists	13.1	...	10.7	13.3	10.7	...	17.0	17.1	15.1	18.1	13.8	14.3	14.0
Health technologists and technicians	15.4	...	...	...	...	...	13.4	13.6	14.9	15.0	13.5	15.1	13.8
Social scientists	...	...	...	...	...	...	17.1	17.5	18.3	17.9	17.0	17.6	16.3
Social and recreation workers	...	...	...	...	...	...	16.7	15.7	15.5	15.7	15.3	15.2	14.6
Teachers, except college and university	13.6	11.0	...	14.0	13.5	13.1	15.6	14.4	16.3	15.4	13.8	14.3	13.9
Engineering and science technicians	12.9	...	...	...	...	...	14.8	14.6	14.7	14.6	13.1	13.5	13.2
Technicians, exc. health, and engineering and science	13.2	...	...	...	...	...	14.2	12.8	14.0	14.5	14.0	14.6	14.1
Writers, artists, and entertainers	14.2	...	...	13.2	12.4	13.1	14.0	13.9	15.4	15.2	14.0	14.6	14.1
Other professional, technical, and kindred workers	13.4	...	12.9	12.3	11.9	12.7	14.1	13.7	17.2	16.9	14.4	13.8	14.3
<b>Managers and administrators, except farm</b>													
Buyers, purchasing agents, and sales managers	13.0	11.7	11.8	11.3	11.1	12.0	13.9	12.9	14.6	14.9	14.0	12.9	12.7
Other managers and administrators	13.1	...	11.7	11.3	11.1	12.0	14.0	13.9	13.0	13.2	11.8	12.5	12.7
Salaries	13.0	12.3	11.9	11.3	11.1	12.2	14.0	13.4	14.7	15.1	14.0	12.8	12.7
Self-employed	12.9	10.9	11.5	11.3	11.2	11.7	...	10.7	...	13.0	...	13.4	...
<b>Sales workers</b>													
Clerical and kindred workers	12.5	11.9	11.5	11.7	11.3	11.2	11.6	10.8	12.6	12.9	11.4	12.2	11.8
Billing clerks	12.3	11.9	11.7	11.8	11.2	11.9	12.2	12.4	12.8	13.1	12.4	12.4	12.2
Bookkeepers	12.0	...	11.8	11.8	11.5	11.5	12.3	12.2	12.3	12.3	12.4	12.6	12.3
Cashiers	12.3	11.8	11.8	12.2	11.9	12.3	12.2	12.4	12.6	12.8	12.4	12.6	12.3
Counter clerks, except food	11.7	11.3	11.3	11.4	10.9	11.3	11.4	12.0	11.7	12.0	11.3	11.9	11.7
File clerks	11.9	12.3	11.3	11.7	10.7	12.7	11.4	11.9	13.4	13.5	11.4	12.0	12.1
Office machine operators	11.9	12.3	11.4	11.4	11.0	12.0	11.9	12.1	12.9	12.9	11.7	12.0	11.9
Bookkeeping and billing machine operators	12.0	12.0	11.8	11.9	11.4	12.0	12.0	12.1	12.7	12.5	11.9	12.2	12.0
Keypunch operators	11.8	...	...	...	11.1	11.7	11.9	11.9	12.2	12.2	11.9	11.8	12.1
...	12.0	...	...	...	11.5	11.7	12.3	11.9	12.6	12.5	12.0	12.2	12.0

Table 3. Mean Years of School Completed of Employed Persons According to Industry by Occupation: 1970 - Continued

(Data based on 5-percent sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

United States	Professional and related services										Public administration		
	Business services	Auto-mobile services	Other repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Educational and kindred services			Welfare, religious, nonprofit organizations		Other professional and related services	
							Total	Hospitals	Health services, except hospitals				Government
<b>Female, employed - Continued</b>													
<b>Clerical and kindred workers - Continued</b>													
Payroll and timekeeping clerks	11.9	12.3	11.8	12.1	11.8	12.0	12.3	12.2	12.4	12.6	12.2	12.3	12.2
Receptionists	12.4	12.1	11.6	11.9	11.6	12.3	12.1	12.2	13.3	13.4	12.3	12.5	12.2
Secretaries	12.7	12.1	12.2	12.6	12.2	12.7	12.4	12.6	13.1	13.1	12.6	12.6	12.5
Statistical clerks	12.5	11.3	11.3	12.0	11.3	12.0	12.6	12.4	13.1	13.4	12.3	12.5	12.3
Stenographers	12.6	...	...	12.5	12.5	12.5	12.5	12.3	12.7	12.8	12.3	12.5	12.4
Telephone operators	11.6	...	11.4	11.2	11.4	11.6	11.8	11.7	12.5	12.9	11.5	11.2	11.5
Typists	12.2	11.8	11.9	12.4	11.9	12.1	12.2	12.2	12.8	13.0	12.2	12.3	12.2
Other clerical and kindred workers	12.1	11.7	10.9	11.6	10.9	11.8	12.3	12.3	12.8	13.2	12.3	12.1	12.2
Foremen, n.e.c.	12.0	10.0	9.9	10.1	9.9	11.4	11.3	11.8	11.1	11.5	11.6	11.2	11.3
Mechanics and repairmen	11.4	9.9	10.1	10.3	10.1	...	11.3	11.9	13.0	13.3	13.2	12.1	11.2
Printing craftsmen	11.3	...	...	...	...	...	...	...	12.4	11.9	...	...	11.4
Operatives, except transport	10.7	10.8	9.9	9.0	9.3	10.5	9.8	9.5	11.7	11.4	9.4	9.4	10.3
Assemblers	10.8	...	10.4	...	10.4	...	9.9	...	...	...	...	10.7	10.5
Bottling and canning operatives	...	...	...	...	...	...	...	...	...	...	...	...	...
Checkers, examiners, inspectors, manufacturing	...	...	...	...	...	...	...	...	...	...	...	...	10.3
Graders and sorters, manufacturing	9.7	...	9.4	...	9.4	...	10.1	...	...	...	...	...	...
Packers and wrappers, except produce	...	...	...	...	...	...	...	...	...	...	...	...	...
Produce graders and packers, exc. factory and farm	...	...	...	...	...	...	...	...	...	...	...	...	...
Mixing operatives	...	...	...	...	...	...	...	...	...	...	...	...	...
Sewers and stitchers	11.1	11.0	9.3	9.1	9.3	10.6	9.8	9.5	11.7	11.9	10.3	8.7	9.9
Other specified operatives	10.5	...	9.4	7.7	9.4	...	10.7	...	10.9	10.6	9.5	11.2	10.7
Machine operatives, miscellaneous specified	10.7	...	9.5	...	9.5	...	10.9	...	11.6	12.4	...	...	10.8
Machine operatives, not specified	10.7	...	10.2	...	10.2	...	10.9	...	12.8	13.1	...	11.0	10.9
Miscellaneous operatives	10.7	...	9.1	...	9.1	...	9.7	...	...	...	...	9.4	...
Not specified operatives	11.2	...	...	...	...	...	...	...	...	...	...	...	...
Transport equipment operatives	10.7	10.4	10.7	...	10.7	...	11.1	11.0	11.2	11.4	10.9	10.8	10.0
Deliverymen and roulemen	10.6	...	10.7	...	10.7	...	11.0	11.3	...	...	...	...	10.9
Laborers, except farm	9.7	9.6	8.3	10.5	9.4	10.8	10.6	9.7	11.8	11.1	9.3	10.5	...
Farm workers	...	...	...	...	...	...	...	...	...	...	...	...	...
Service workers, except private household	9.6	9.2	9.4	9.8	10.9	10.6	10.6	10.7	10.4	10.7	10.2	9.7	10.5
Cleaning service workers	9.1	...	9.4	9.1	9.4	9.0	9.2	8.8	9.3	9.5	9.3	9.2	9.3
Cleaners and charwomen	8.8	...	8.9	9.2	8.9	8.8	9.0	8.8	9.2	9.5	9.1	8.9	9.1
Food service workers	10.3	...	10.2	10.5	10.2	10.7	10.2	9.8	10.3	10.6	10.0	10.5	10.0
Waiters and food counter workers	11.1	...	11.0	11.0	10.6	11.0	11.0	10.2	11.2	11.8	10.6	10.6	10.6
Health service workers	11.0	...	11.3	10.3	11.3	11.3	11.3	11.0	11.5	11.7	10.7	11.1	11.3
Personal service workers	11.8	...	11.8	10.5	11.3	11.3	11.3	10.3	11.7	11.5	11.0	11.3	11.2
Protective service workers	10.9	...	...	...	...	...	11.0	11.1	11.2	11.9	...	...	...
Private household workers	...	...	8.6	...	8.6	...	...	...	...	...	...	...	...

\*Includes allocated cases not shown separately.