

**EMPLOYMENT  
AND  
EARNINGS  
AND MONTHLY  
REPORT ON  
THE LABOR FORCE**

*Vol. 15 No. 4  
October 1968*

JOSEPH M. FINERTY, EDITOR      JOHN E. BREGGER, ASSOCIATE EDITOR

---

*Highlights*

An article by Harvey Hilaski discusses the status of research and potential uses of "gross change" statistics from the Current Population Survey.

Quarterly Averages - 3rd quarter 1968 - Household Data (page 108) for seasonally adjusted series appearing in Section A.

---

**Page**

**CONTENTS**

4	Summary Employment and Unemployment Developments, September 1968
6	The Status of Research on Gross Changes in the Labor Force
14	Charts
22	Statistical Tables
108	Quarterly Averages
114	Technical Note

---

Continued on following page.

# CONTENTS- (CONTINUED)

## STATISTICAL TABLES

### SECTION A-LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT - HOUSEHOLD DATA

Page	Employment Status
22	A- 1: Employment status of the noninstitutional population, 1929 to date
23	A- 2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date
24	A- 3: Employment status of the noninstitutional population by age, sex, and color
26	A- 4: Labor force by age, sex, and color
28	A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
28	A- 6: Employment status of the noninstitutional population 16 years and over by color, age, and sex
29	A- 7: Full- and part-time status of the civilian labor force by age and sex
<b>Characteristics of the Unemployed</b>	
30	A- 8: Unemployed persons by age and sex
30	A- 9: Unemployed persons by marital status, age, sex, and color
31	A-10: Unemployed persons by occupation of last job and sex
31	A-11: Unemployed persons by industry of last job and sex
32	A-12: Unemployed persons by reason for unemployment, sex, age, and color
32	A-13: Unemployed persons by reason for unemployment, duration, sex, and age
33	A-14: Unemployed persons by duration of unemployment
33	A-15: Unemployed persons by duration, sex, age, color, and marital status
34	A-16: Unemployed persons by duration, occupation, and industry of last job
<b>Characteristics of the Employed</b>	
34	A-17: Employed persons by age and sex
35	A-18: Employed persons by occupation group, age, and sex
36	A-19: Employed persons by major occupation group, color, and sex
37	A-20: Employed persons by class of worker, age, and sex
38	A-21: Employed persons with a job but not at work by reason, pay status, and sex
38	A-22: Persons at work by type of industry and hours of work
39	A-23: Persons at work 1-34 hours by usual status and reason working part-time
39	A-24: Nonagricultural workers by full- or part-time status
40	A-25: Persons at work in nonagricultural industries by full- or part-time status, age, sex, color, and marital status
42	A-26: Persons at work in nonfarm occupations by full- or part-time status and sex
<b>Data on 14 and 15 Year-olds</b>	
44	A-27: Employment status of 14-15 year-olds by sex and color
44	A-28: Employed 14-15 year-olds by sex, major occupation group, and class of worker
<b>Seasonally Adjusted Data</b>	
45	A-29: Employment status of the noninstitutional population by age and sex, seasonally adjusted
46	A-30: Employment status by color, sex, and age, seasonally adjusted
47	A-31: Major unemployment indicators, seasonally adjusted
48	A-32: Unemployed persons by duration of unemployment, seasonally adjusted
48	A-33: Rates of unemployment by age and sex, seasonally adjusted
49	A-34: Employed persons by age and sex, seasonally adjusted
49	A-35: Employed persons by major occupation group, seasonally adjusted

**STATISTICAL TABLES**-(CONTINUED)**SECTION B-EMPLOYMENT - ESTABLISHMENT DATA**

Page		National
51	B-1: Employees on nonagricultural payrolls, by industry division, 1919 to date	
52	B-2: Employees on nonagricultural payrolls, by industry	
	B-3: Women employees on nonagricultural payrolls, by industry <sup>1</sup>	
60	B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted	
61	B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted	
62	B-6: Production workers in industrial and construction activities, seasonally adjusted	
		<b>State and Area</b>
64	B-7: Employees on nonagricultural payrolls for States and selected areas, by industry division	

**SECTION C-HOURS AND EARNINGS - ESTABLISHMENT DATA**

Page		National
75	C-1: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1947 to date	
76	C-2: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	
88	C-3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	
88	C-4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	
89	C-5: Gross and spendable average weekly earnings of production or non-supervisory workers on private nonagricultural payrolls, in current and 1957-59 dollars	
89	C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities	
90	C-7: Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	
91	C-8: Indexes of aggregate weekly man-hours in industrial and construction activities, seasonally adjusted	
		<b>State and Area</b>
92	C-9: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	

**SECTION D-LABOR TURNOVER - ESTABLISHMENT DATA**

Page		National
96	D-1: Labor turnover rates in manufacturing, 1958 to date	
97	D-2: Labor turnover rates, by industry	
	D-3: Labor turnover rates in manufacturing, by sex and major industry <sup>1</sup>	
102	D-4: Labor turnover rates in manufacturing, 1958 to date, seasonally adjusted	
		<b>State and Area</b>
103	D-5: Labor turnover rates in manufacturing for selected States and areas	

**SECTION E-UNEMPLOYMENT INSURANCE DATA**

106	E-1: Insured unemployment under State programs
107	E-2: Insured unemployment in 150 major labor areas

<sup>1</sup>Quarterly data included in February, May, August, and November issues.

## SUMMARY EMPLOYMENT AND UNEMPLOYMENT DEVELOPMENTS, SEPTEMBER 1968

Nonfarm payroll employment increased modestly in September and unemployment declined less than seasonally. The increase in payroll employment in September (125,000 seasonally adjusted) was the smallest in the last 4 months. About one-fourth of the increase was the result of the return to work of strikers.

The jobless situation for men, teenagers, full-time workers, and most other groups in the labor force was virtually unchanged, while unemployment for women increased slightly over the month. The overall rate of unemployment was 3.6 percent in September, near the post-Korean low of 3.5 percent in August. Thus far in 1968, the rate has also averaged 3.6 percent.

### Industry Employment

Nonfarm payroll employment increased by 125,000 in September to 68.5 million, seasonally adjusted. About 30,000 of the increase resulted from the net return of workers who had been off payrolls in August because of strikes. Employment gains in services (40,000), State and local government (25,000), and trade (20,000) accounted for the new job growth in September. Three-fourths of the employment pickup in contract construction (40,000) was the result of a return to payrolls of striking workers.

The total gain in nonfarm payroll employment in September was substantially less than the average monthly increase of 180,000 recorded during the May-to-August period. The smaller job pickup reflected the more modest increases in the service-producing industries, which have provided most of the new jobs during this period. Employment in the goods-producing sector was essentially unchanged during the May-August period.

Manufacturing employment was unchanged in September at 19.8 million (seasonally adjusted). Small gains in apparel, transportation equipment, and electrical equipment were offset by declines in most other manufacturing industries. Although industrial activity has remained high

over the past 4 months, manufacturing employment has been relatively stable.

Compared to September 1967, payroll employment was up by 2.3 million, with trade, services, and State and local government accounting for two-thirds of the increase. The real job growth over the year was 2.1 million, since there were widespread labor disputes last September, especially among teachers and auto workers.

### Unemployment

The number of unemployed persons was 2.6 million in September, 160,000 less than in August. The decline was about 100,000 less than seasonally expected. Most of the seasonally adjusted increase occurred among women. At 3.6 percent in September, the overall jobless rate was virtually unchanged from the post-Korean low of 3.5 percent in August.

The unemployment rate in the third quarter of 1968 averaged 3.6 percent, the same as in the first and second quarters of this year. In 1966 and 1967, the quarterly rate of unemployment had remained between 3.7 and 3.9 percent.

The jobless rate for women edged up by two-tenths of a percentage point (0.2) to 3.9 percent in September. The small increase in unemployment of women occurred despite a 220,000 increase in their employment, as the civilian labor force rose more rapidly. Their rate continued within the 3.7 to 4.0 percent range exhibited throughout 1968. In 1967, the rate fell to 3.9 percent only once and ranged as high as 4.3 percent (last September).

Unemployment rates for men (2.2 percent), married men (1.6 percent), and full-time workers (3.2 percent) were virtually unchanged from a month ago. The State insured jobless rate, at 2.2 percent, was also essentially unchanged over the month. The stability of these rates at or near post-Korean lows continues to reflect the strength of the employment situation among primary breadwinners.

The teenage employment situation showed little improvement in September. Their unemployment rate, at 12.6 percent, was little changed from the 12.0 rate in August. The August and September rates represent a return to the pre-summer levels, after 2 months of higher joblessness. However, the September rate compares with 13.4 percent a year ago.

Unemployment of 15 weeks or more totaled 370,000 in September (seasonally adjusted). This was the third month in 1968 that unemployment of 15 weeks or more had fallen below 400,000, and the present level was at the lowest point in about 15 years.

The unemployment rate for nonwhite workers in September was 6.7 percent and for whites, 3.2 percent. In the third quarter 1968, the rate for nonwhites (6.6 percent) continued twice as high as that for whites (3.3 percent), as it has been throughout the post-Korean period.

#### Hours and Earnings

The average workweek for the Nation's rank and file workers was 38.0 hours in September (seasonally adjusted), the highest level in 1968. There were large increases in hours in construction (0.4 hour) and manufacturing (0.3 hour).

The increase in the manufacturing workweek, to 40.9 hours in September (seasonally adjusted), was partly the result of a sharp rise in hours in the transportation equipment industry, as the new automobile model year got underway later than usual. Longer workweeks were reported in most other manufacturing industries as well. At 37.9 hours (seasonally adjusted), the workweek in contract construction equalled the previous 1968 high but remained below the levels of several months in 1967.

Average hourly earnings for production and nonsupervisory workers rose by 4 cents in

September to \$2.90. All industries showed increases, with contract construction and manufacturing posting gains of 9 cents and 4 cents, respectively. Hourly earnings usually rise in September, reflecting the return to school of young people, most of whom leave jobs with low hourly rates. However, this was the largest monthly increase since the August-September period of 1966. Compared to September 1967, hourly earnings were up by 18 cents (6.6 percent).

Gross weekly earnings for all rank and file workers in September averaged \$110.49, up 95 cents from August. All major industry divisions except trade showed gains in weekly earnings. Construction workers received \$3.05 more in September, bringing their weekly earnings up to \$172.22; factory workers' gross weekly earnings rose by \$2.84 to \$124.23. Between September 1967 and 1968, the earnings for all workers on private nonagricultural payrolls increased by \$6.59 (6.3 percent).

#### Total Employment and Labor Force

Employment totaled 75.9 million in September, 1.5 million less than in August. The drop, which was seasonally expected, reflected the large number of teenage workers who returned to school in September.

After seasonal adjustment, total employment was unchanged over the month at 76.0 million. Total employment has shown little growth in the past few months, as sharp and steady declines in agricultural employment have offset gains in nonagricultural employment. In September, agricultural employment fell by 125,000, and nonagricultural employment rose about 160,000.

The civilian labor force totaled 78.5 million in September. Compared to September 1967, the labor force has grown by 1 million, with women accounting for a half million of the increase, men 350,000, and teenagers 150,000.

# THE STATUS OF RESEARCH ON GROSS CHANGES IN THE LABOR FORCE

by Harvey J. Hilaski\*

One of the least known and least understood series of data on the labor force are "gross change" statistics, a by-product of the Current Population Survey (CPS), the source of the official monthly estimates of employment and unemployment.

Gross change data show the labor force status of persons not only for the current month, as does the regular CPS, but also for the previous month. The data thus permit the identification and measurement of the flow of persons who enter or withdraw from the labor force from one month to the next, those who remain in any given labor force category, and those who shift between employed and unemployed status or from one industry and occupation to another. Gross changes, therefore, represent primarily a short run "flow" rather than a "stock" of the labor supply.

Because of serious statistical deficiencies, publication and use of gross change data for analytical purposes have been very limited.<sup>1/</sup> Although gross change data have been tabulated continuously since 1948, they were published only from 1949-52.

Nevertheless, labor force analysts have maintained an interest in gross change data, and a special President's Committee (called the

Gordon Committee), appointed in late 1961 to conduct an exhaustive study of the official data system on employment and unemployment, strongly recommended that publication of the series be resumed.<sup>2/</sup>

Because of the great potential value of the data and the active interest in them, the Bureau of the Census and the Bureau of Labor Statistics have continued to examine the problem areas in order to improve the data and make them generally available again for research and analysis of labor force behavior.

This article reports on recent developments in the field and on the status of the research progress. More specifically, it provides a resumé of the historical expansion of the body of gross change statistics over 20 years, a comprehensive discussion of the potential uses of the data, a review of the problems and research efforts undertaken to resolve them, and an outline of the direction future research will take.

## Historical Expansion of Data

The Bureau of the Census published gross change data from 1949 to 1952 in the Current Population Reports Series P-59 as part of its program of reporting labor force data. The basic data presented in these early reports covered the employment status in the current and previous month by sex, age, and industry. Publication was suspended in 1953, when the redesign of the CPS sample revealed a number of data problems that led to serious reservations concerning the reliability and analytical value of the

---

<sup>2/</sup> President's Committee to Appraise Employment and Unemployment Statistics, Measuring Employment and Unemployment, Washington: U.S. Government Printing Office, 1962, pp. 16 and 80-81.

---

\* Of the Division of Employment and Unemployment Analysis, Bureau of Labor Statistics.

<sup>1/</sup> For an earlier statement on the nature of the data and the problem areas, see the article by Robert B. Pearl, "Gross Changes in the Labor Force: A Problem in Statistical Measurement," Employment and Earnings, April 1963, pp. iv-x. This report draws on that article to provide a comprehensive and updated account of developments in the field.

data. Since that time, the data have been tabulated monthly but have not been made generally available to the public.

In 1959, the original set of tabulations on gross changes was expanded. The expanded series provided additional characteristics to analyze over-the-month changes, such as marital status, color, and residence of the labor force, as well as expanded industry and occupation detail. In addition, separate tabulations were developed for each rotation group in the sample, which highlighted significant differences in the patterns of reporting labor force status for persons interviewed in the different months of their rotation in the sample. (See the section on data problems.)

In mid-1967, the tabulations were altered substantially to include the employment status in the current and previous month by age, sex, and color; detailed industry and occupational data; and detailed tables which show duration of unemployment in the previous month for unemployed persons who have become employed in the current month. Moreover, the new tabulations have summary gross change tables on the civilian labor force, employment, and unemployment by age, color, and sex; they clearly show the number of persons remaining in,

entering, and leaving each labor force category each month. In addition, certain conceptual and statistical modifications were incorporated in the new tabulations that hold promise for solving the problems and permitting publication of gross change data once again. These modifications will be discussed later in the article.

#### Illustrative Gross Change Statistics

Gross change data for a single month are presented here to illustrate the nature of the data and hence the labor force movements that can be derived for the same persons from one month to the next. Between April and May, 1968, for example, approximately 3-1/2 million persons entered and another 3-1/2 million withdrew from the civilian labor force, a gross turnover of about 9 percent based on the previous month's total. (See table 1.) Among adult males, the turnover rate in the April-May 1968 period was slightly over 3 percent; that for adult women was 12-1/2 percent. The turnover rate of 35 percent for youth of both sexes 16 to 19 years of age illustrates the extreme volatility of this age group.

Gross changes in employment and unemployment in April and May 1968 also point to interesting differences in the movement patterns

Table 1. Gross Changes in the Civilian Labor Force  
by Sex and Age, April to May, 1968

(In thousands)

Sex and age	Status unchanged		Exits		Entries	
	Number	As percent of previous period	From employment	From unemployment	To employment	To unemployment
Total.....	75,033	95.5	2,760	793	2,661	754
16-19 years.....	4,928	82.2	771	293	776	288
20 years and over...	70,105	96.6	1,988	500	1,884	466
Males.....	48,068	97.4	1,031	294	1,035	244
16-19 years.....	2,843	83.4	410	155	435	116
20 years and over.	45,225	98.3	621	139	600	128
Females.....	26,965	92.4	1,729	499	1,626	510
16-19 years.....	2,085	80.7	361	139	341	172
20 years and over.	24,880	93.5	1,368	360	1,285	338

among various age-sex groups. (See tables 2 and 3.) One-third of the adult men who have left employment became unemployed, compared with about 15 percent each for male and female youth and 13 percent for adult women. Two out of three of the adult men, about four out of five of the youth, and almost nine out of ten of adult women left the labor force from employment. Conversely, a greater proportion of the adult men, 44 percent, entered employment from unemployment than either youth or women, both 21 percent. Most of the entries into employment for all age-sex groups were persons previously out of the labor force.

About one-third of all the persons who were unemployed in April remained unemployed in May; the proportions ranged from 26 percent for males 16-19 years old to 38 percent for adult males. Three-fourths of the adult men who left unemployment in April became employed in May, compared with almost half of the women and two-fifths of the youth. Except for adult men, entry into unemployment was primarily from outside the labor force.

#### Potential and Current Uses of Data

The above limited observations provide some small indication of the insights that are possible

from gross change data were they more reliable and free from bias; these last points will be discussed later. <sup>3/</sup> Specifically, the data could be of major potential use in: (1) Studying worker mobility into and out of the labor force; (2) interpreting changes in employment and unemployment; (3) analyzing labor turnover; and (4) assessing seasonal and cyclical patterns of labor force participation.

In the determination of entry patterns into and withdrawal from the labor force, gross change data can help by showing the number of persons by age, sex, and color, who enter or leave the labor force each month as well as their precise labor force status the previous month. The data could be particularly useful in measuring the work activity of marginal worker groups, such as young persons and women, and in pinpointing special problems relating to labor force attachment.

---

<sup>3/</sup> For an excellent article on labor force behavior, see "Labor Force Participation and Unemployment: A Review of Recent Evidence" by Jacob Mincer, published in Prosperity and Unemployment, R.A. and M.S. Gordon, editors, New York: Wiley & Sons, Inc., 1966, pp. 73-112.

Table 2. Gross Changes in Employment By Sex and Age, April to May, 1968

(In thousands)

Sex and age	Status unchanged		Exits		Entries	
	Number	As percent of previous period	To unemployment	To not in labor force	From unemployment	From not in labor force
Total.....	72,434	95.5	649	2,760	1,034	2,661
16-19 years.....	4,372	82.7	144	771	215	776
20 years and over...	68,063	96.5	505	1,988	818	1,884
Males.....	46,628	97.1	378	1,031	593	1,035
16-19 years.....	2,541	83.8	79	410	124	435
20 years and over.	44,087	98.0	299	621	469	600
Females.....	25,807	92.8	270	1,729	441	1,626
16-19 years.....	1,829	81.1	65	361	91	341
20 years and over.	23,978	93.8	205	1,368	350	1,285



Table 3. Gross Changes in Unemployment  
by Sex and Age, April to May, 1968

(In thousands)

Sex and age	Status unchanged		Exits		Entries	
	Number	As percent of previous period	To employment	To not in labor force	From unemployment	From not in labor force
Total.....	916	33.4	1,034	793	649	754
16-19 years.....	198	28.0	215	293	144	288
20 years and over...	717	35.2	818	500	505	466
Males.....	469	34.6	593	294	378	244
16-19 years.....	98	26.0	124	155	79	116
20 years and over.	371	37.9	469	139	299	128
Females.....	447	32.2	441	499	270	510
16-19 years.....	100	30.3	91	139	65	172
20 years and over.	347	32.9	350	360	205	338

Gross change data could aid in interpreting changes in employment and unemployment developments, as they indicate the nature of the shift between the employed and unemployed status of persons in any 2 consecutive months. For example, if unemployment increases in a given month, gross flow data could reveal whether the change was due to the inability of entrants to find work or to persons losing or leaving their jobs.<sup>4/</sup> Similarly, if employment increases, the data can show whether the additional employed came from the unemployed group or from those not previously in the labor force.

A more intensive analysis of labor turnover may be possible through the use of gross change data, since they show the source and magnitude of industry and occupational employment flows as well as shifts between employment and unemployment. Moreover, the data might be used to interpret important structural shifts in industries and occupations in terms of employment levels and flows.

Because gross flow data show industry and occupational employment shifts and thus the source of seasonal employment changes, they could be important in assessing the nature of

<sup>4/</sup> A new statistical series from the regular CPS now provides some information of this kind in the Employment and Earnings and Monthly Report on the Labor Force. Data on the total unemployed each month are broken down into four components: those who lost their jobs, those who have voluntarily left their jobs, re-entrants into the labor force, and new entrants (those without previous work experience) into unemployment. Gross change statistics on the unemployed differ in that (1) they refer to the unemployment status of identical persons only and not the total unemployed; (2) they show the

actual movements into and out of unemployment over the month rather than a mere disaggregated view of all unemployed persons for a given month; (3) they reflect only the over-the-month change in status, whereas the published series refers to the the last status prior to unemployment regardless of time; (4) they do not show separately those who lost or those who left their jobs, but rather the total number who have moved from employment to unemployment status; and (5) entrants into unemployment from not in the labor force status include both re-entrants and new entrants.

the seasonal demand and supply of labor. Similarly, they may contribute to a better understanding of the cyclical patterns of labor force behavior by clarifying the relationship between economic trends and the elasticity of the labor force. For example, during periods of prosperity and rising employment, they may indicate the degree of responsiveness of persons previously out of the labor force to growing job opportunities and the relative success with which the unemployed obtain jobs. In periods of recession, the data could be used to assess similar relationships between labor force participation and unemployment.

Actual uses of the data, however, have been much more narrow in scope than the potential uses, in large part because of the technical weaknesses of the data. Nevertheless, several important studies using gross change data that take into account their weaknesses have been made. For example, one study focused on the nature of unemployment including seasonal and cyclical patterns of inflows and outflows of the unemployed 5/; another on the cyclical fluctuations in the labor supply 6/; and a third on the labor force behavior of secondary family workers. 7/

#### Data Problems

The unresolved problems that affect the reliability of gross change data fall basically under two general headings--sampling variability and response variability.

---

5/ Seymour Wolfbein, "Gross Change in Unemployment, 1957-59," Monthly Labor Review, February 1960, pp. 141-144.

6/ W.L. Hansen, "The Cyclical Sensitivity of the Labor Supply," American Economic Review, June 1961, pp. 299-309.

7/ Stuart Altman, Factors Affecting the Unemployment of Married Women: A study of the Dynamics of the Labor Force Behavior of Secondary Family Workers, unpublished Ph. D. dissertation, University of California at Los Angeles, January 1964.

Sampling variability. As indicated earlier, gross change estimates are based on matched records of the same individuals in successive months, drawn from the CPS sample. The reliability of these estimates, therefore, depends on the size and representativeness of the primary sample from which they are derived. The CPS sample permits a matching of individuals on a month-to-month basis because of the nature of the enumeration pattern. The monthly CPS sample of 50,000 households consists of eight separate rotation groups, comprised of household units that are in their first, second, third, etc., month of interview. An individual household, once selected, is surveyed for 4 consecutive months, is dropped from the sample for the next 8 months, and then is returned to the sample for another 4 months. Consequently, six of the eight rotation groups, or 75 percent of the household units in the basic CPS, are common in 2 consecutive months. These six common rotation groups, representing about 38,000 households or 75 percent of the total CPS sample of 50,000 households, form the basic subsample for gross change estimates and are the full potential of matched individual responses in 2 successive months. This initial reduction in sample size--from 50,000 household units to 38,000--yields about a 15 percent average loss in the reliability of the resulting gross change estimates vis-a-vis the regular monthly employment estimates based on the full CPS. Before the expansion of the CPS sample in 1967, the gross change subsample consisted of only 28,000 households and hence the reliability of gross change estimates was even less.

Since the CPS interviews are based on household units rather than individual persons, the common rotation groups reflect identical household units but not necessarily identical persons. The responses of only identical persons in successive months can be derived, though, since the questionnaire contains a unique identification of each person 16 years old and over in each household unit. The proportion of individuals who are identical in successive months is somewhat less than that of identical household units, however, because of mobility, nonresponse in either of the 2 consecutive months, or for other reasons.

In any 2-month period, for example, the six common rotation groups will contain a number of persons whose responses cannot be matched for both months. Included in this nonidentical group are persons who have moved from households in the sample area (about 1-1/2 percent a month) as well as the noninterview cases (4 to 5 percent a month)--that is, persons who refuse to respond and those absent from home during the interview week.<sup>8/</sup> For meaningful analytical purposes, exclusion of nonidentical cases from the total gross change subsample is necessary, since analysis of the combined responses of both identical and nonidentical persons in 2 successive months would show a mixture of a real change in employment status and a mismatch of individual responses.

The exclusion of nonidentical cases has a twofold effect on the gross change estimates. First, in a single month the size of the sample is reduced 5 to 8 percent to about two-thirds of the full CPS sample. Secondly, and perhaps of greater statistical importance, the exclusion of nonidentical persons may introduce a special bias in gross change estimates because their characteristics are believed to differ from those of identical persons. Studies show, for example, that persons who are mobile tend to be younger and to have higher unemployment rates. Unfortunately, the precise quantitative and qualitative impact of both the mobile and other nonidentical persons in the survey has yet to be determined.

Response variability. Sampling variability, which introduces some weakness in the data, is less important in the context of gross change analysis than the two major problems of response variability--misclassification of reported employment status and rotation group bias.

Errors of misclassification are reported in the CPS quality control program, conducted by

the Bureau of the Census. Periodically a small subsample of each interviewer's work is examined, and respondents are reinterviewed by a supervisor to determine if response errors have occurred. In this program, the supervisor repeats the listing and interviewing of a sample of households in a subsample of the areas covered by the original survey. Within the sample households, he uses a schedule identical to the one used in the original interview, and the reinterview results are compared with the information obtained in the original interview. Differences in response are called to the attention of the reinterview respondent to determine the correct answers as well as reasons for the discrepancies.

The quality-check program thus provides a means of measuring errors in reported labor force classification and permits possible adjustment of misclassification error in resurvey data. The program reveals that the "net errors" between the original and reinterview results are comparatively small because of offsetting differences. Consequently, the totals reported as employed, unemployed, or not in the labor force differ only slightly in the two sources. Therefore, in the full CPS sample, the effect of misclassification is minimal.

"Gross differences," on the other hand, may be substantial. They comprise the sum of the original interview responses and the reinterview responses of all persons who report a different status in either count. With respect to gross change data, the gross response differences revealed by the reinterview program raise some question as to the validity of reported labor force movements of persons to the extent that classification is not consistent from one month to the next. Although a measure of response variability can be computed from original interview and reinterview results--called the "gross difference rate"<sup>9/</sup>--its applicability to

---

<sup>8/</sup> See Susan Palmer, Bureau of the Census, "On the Character and Influence of Nonresponse in the Current Population Survey," Proceedings of the Social Statistics Section 1967, American Statistical Association, pp. 73-80.

---

<sup>9/</sup> Pearl, op. cit. The gross difference rate is defined as the ratio of the gross differences in a given labor force category divided by the base number in that category resulting from the reinterview.

and usefulness for adjusting gross changes in employment status from month to month have to be explored.

The second problem, known as "rotation group bias," relates to the rotation group structure of the CPS sample discussed earlier. For reasons as yet undetermined, the patterns of the responses of persons interviewed in the first month differ somewhat from the patterns of their responses in succeeding months. This phenomenon is reflected primarily in a higher level of unemployment and some marginal types of employment in the first month, compared with later months. Persons in the fifth rotation group returning to the sample after an 8-month lapse show, to a lesser degree, a similar tendency. Conversely, in some of the later months of enumeration, reported unemployment and some types of employment decline and thus introduce a downward bias into the gross change estimates. To the extent of this bias, therefore, the various movements reflected in gross change data are exaggerated. One of the modifications in the new 1967 gross change tabulations which

deals specifically with this problem is discussed below.

The effect of the known problems of sampling variability and response variability (and perhaps others still unknown) is reflected most sharply in the observable differences in specific labor force categories (employment, unemployment, etc.) between the net changes based on gross change data and the net changes based on the full CPS sample data. (See table 4.) Differences in the net changes between the two sources are related predominantly to the number, or level, rather than the direction of the change, as the data indicate. Sometimes, however, the differences are not only of level but also of direction. For example, the full CPS net change in the civilian labor force between April and May 1968 showed a 600,000 increase whereas gross change data showed a 140,000 decline. Some difference in the level of net changes between these two sources of data is understandable since the respective estimates stem from different uninflated bases. However, when a particular net change is positive when based on full CPS

Table 4. Net Changes in Employment Status of Persons 16 years and Over  
Based on Gross-Change and Full CPS Sample Data  
by Sex, Selected Periods 1968

(In thousands)

Employment status and sex	January - February		April - May	
	Net changes-- gross change data	Net changes-- CPS data	Net changes-- gross change data	Net changes-- CPS data
<u>Civilian Labor Force</u>				
Both Sexes.....	450	1,055	-139	600
Male.....	284	458	- 46	212
Female.....	166	597	- 93	389
<u>Employment</u>				
Both Sexes.....	480	841	286	788
Male.....	236	353	219	366
Female.....	244	488	67	422
<u>Unemployment</u>				
Both Sexes.....	-30	214	-425	-187
Male.....	48	105	-265	-154
Female.....	-78	109	-160	-33

sample results and negative when based on gross change sample results (or vice versa), analytical conclusions based on gross change data become suspect. A refined method for reconciling these net change differences has yet to be developed, although the work of Altman 10/ in this area may suggest a possible method.

#### Recent Research Developments and Outlook

Conceptual and statistical modifications introduced in the new gross change tabulations in July 1967 extend the possibilities for more rapid progress in the research on gross change data. Since the changes are so recent and a year's accumulation of data in the new format has just become available, it will be necessary to experiment with and evaluate the data over a longer period of time to test their worth fully.

One improvement has been the development of data based on nonidentical persons only. Until mid-1967, data for the common rotation groups, including both identical and nonidentical persons, were collected and then were screened to report only on the matched sample population from month to month. The data thus excluded specific information on nonidenticals and their impact. Most of the tabulations still focus on identical persons, but separate data now are included on nonidenticals in the common rotation groups. 11/ This procedure accounts in a more precise way for the exclusion of the nonidentical cases and permits comparisons of their labor force characteristics with those of identicals and thus serves as a potential means for assessing the bias that results from the exclusion of non-matched cases.

Another recent change was the presentation of data based on only four rotation groups instead of six. The rotation groups subsequently eliminated (the second and eighth) figured in the phenomenon of "rotation group" bias. This

change may prove a valuable test of and a possible adjustment mechanism for this deficiency. The use of only four rotation groups to compile gross change estimates, however, reduces the gross change sample size another 30 percent and thus accentuates sampling variability. Consequently, the eventual use of these data to adjust the estimates based on the six common rotation groups would have to be assessed carefully. The reliability of the four rotation-group data would be especially critical for the disaggregate labor force categories by age, sex, and color as well as industry and occupational detail.

Research on the problems and uses of gross change data is continuing within both the Bureau of the Census and the Bureau of Labor Statistics. Methods have been developed to improve some segments of the data but need to be tested for their applicability to a wider range and detail of gross change data and over a longer period of time. The data are also being examined closely to ascertain whether the effects of the problems cited apply equally to all labor force categories or whether particular components, such as specific age-sex employment status categories, are unaffected largely by the major biases. If the latter is true, publication and analysis of these particular labor force categories might be expedited, while research on problem areas of other labor force segments would continue.

In any case, a major basic research effort still is required to uncover workable solutions to the many problems inherent in gross change data. The pace of progress, of course, is dependent on the amount of resources that can be devoted to this effort either by the Bureau of the Census or the Bureau of Labor Statistics. However, government experts who have worked on these problems show little optimism for a major breakthrough.

---

10/ Altman, *op. cit.*

11/ Information on nonidenticals is given for both the current month and the previous month. The current month's nonidenticals are those

---

interviewed in the current month but not the last month. The previous month's nonidentical persons are those interviewed last month but not in the current month.

Chart 1.

**LABOR FORCE AND EMPLOYMENT**  
1953 to date  
(Seasonally adjusted)

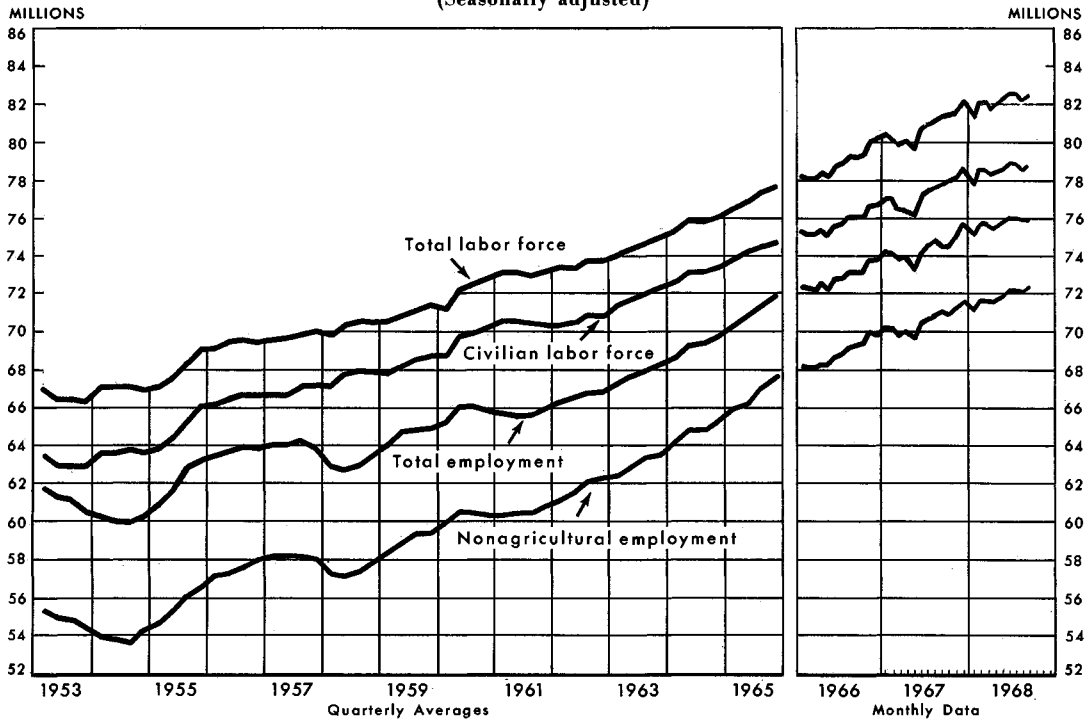
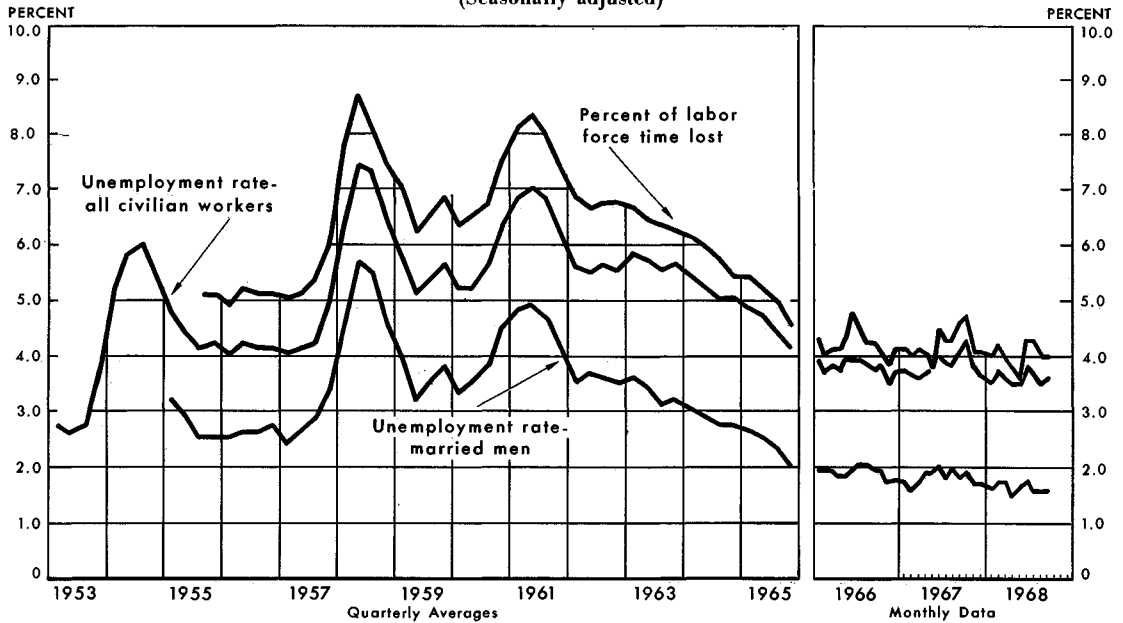


Chart 2.

**MAJOR UNEMPLOYMENT INDICATORS**  
1953 to date  
(Seasonally adjusted)

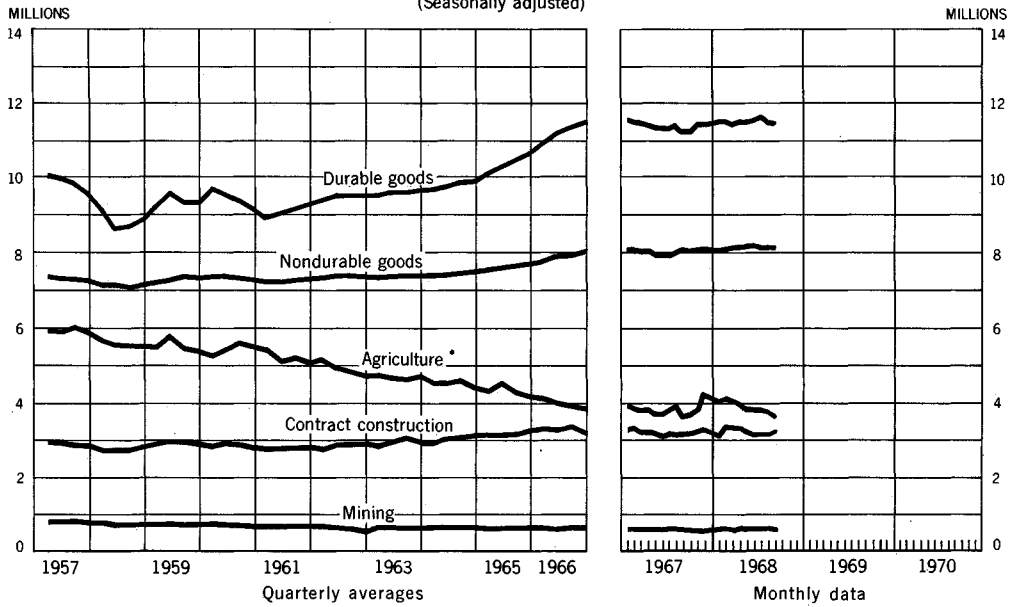


\* Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Chart 3.

### PAYROLL EMPLOYMENT IN GOODS-PRODUCING INDUSTRIES

1957 to date  
(Seasonally adjusted)

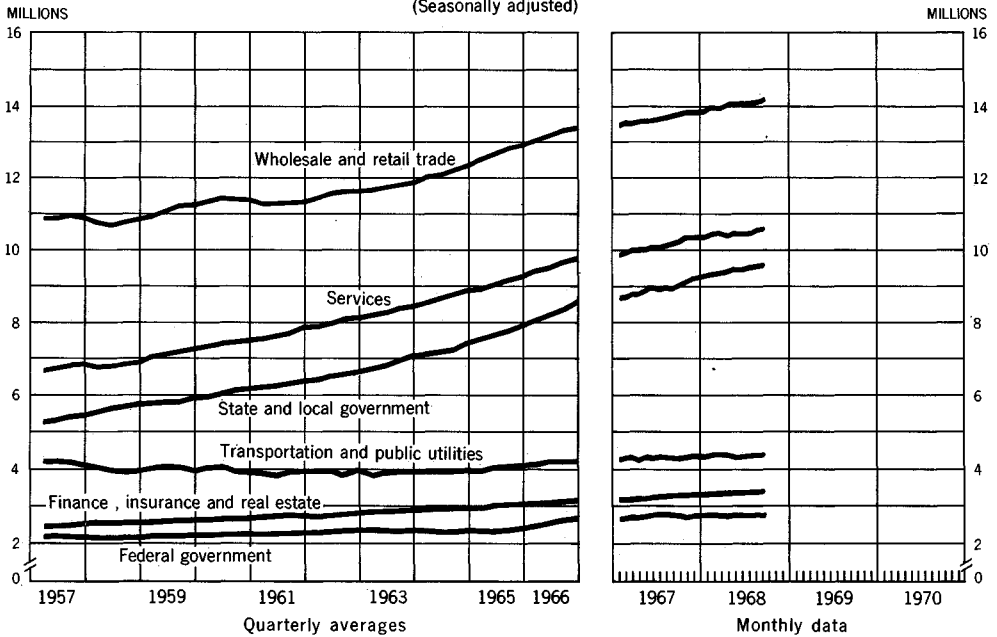


\*Includes self-employed and unpaid family workers.  
Note: Data for 2 most recent months are preliminary.

Chart 4.

### PAYROLL EMPLOYMENT IN SERVICE-PRODUCING INDUSTRIES

1957 to date  
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Chart 5.

**UNEMPLOYMENT RATES BY AGE AND SEX**  
1953 to date  
(Seasonally adjusted)

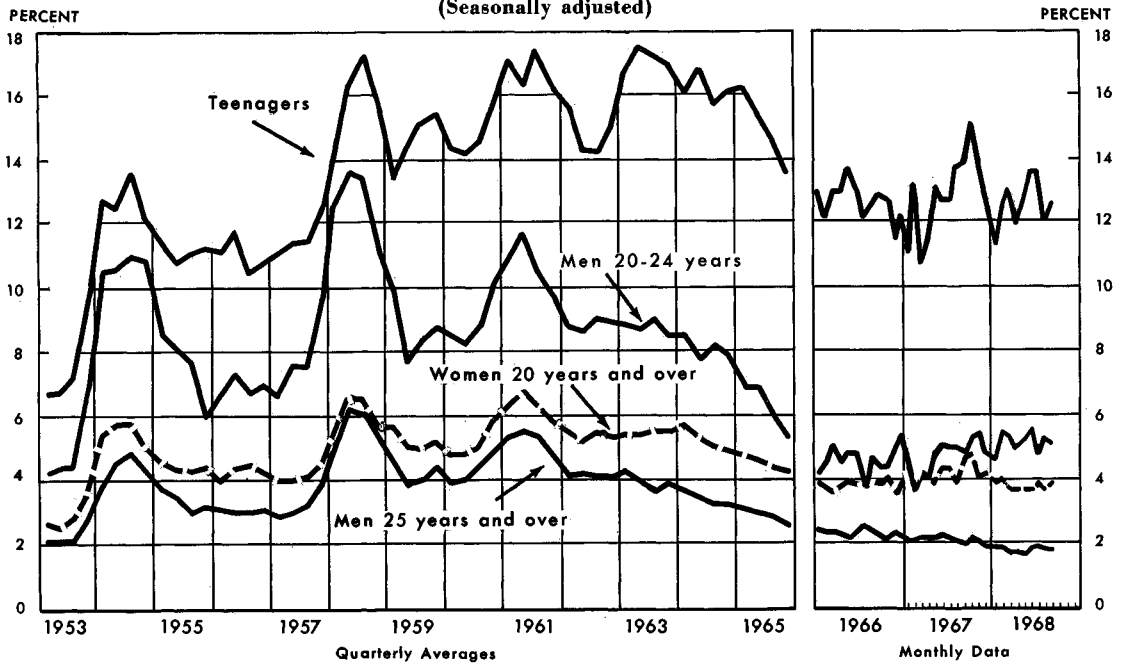


Chart 6.

**TOTAL UNEMPLOYMENT BY DURATION**  
1953 to date  
(Seasonally adjusted)

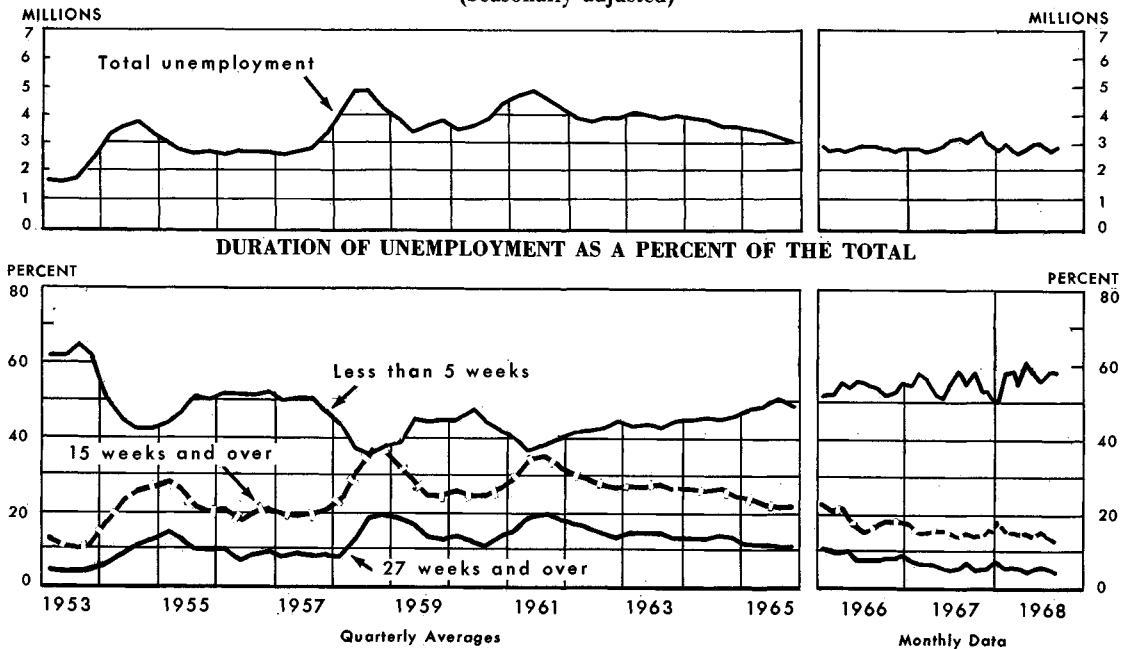
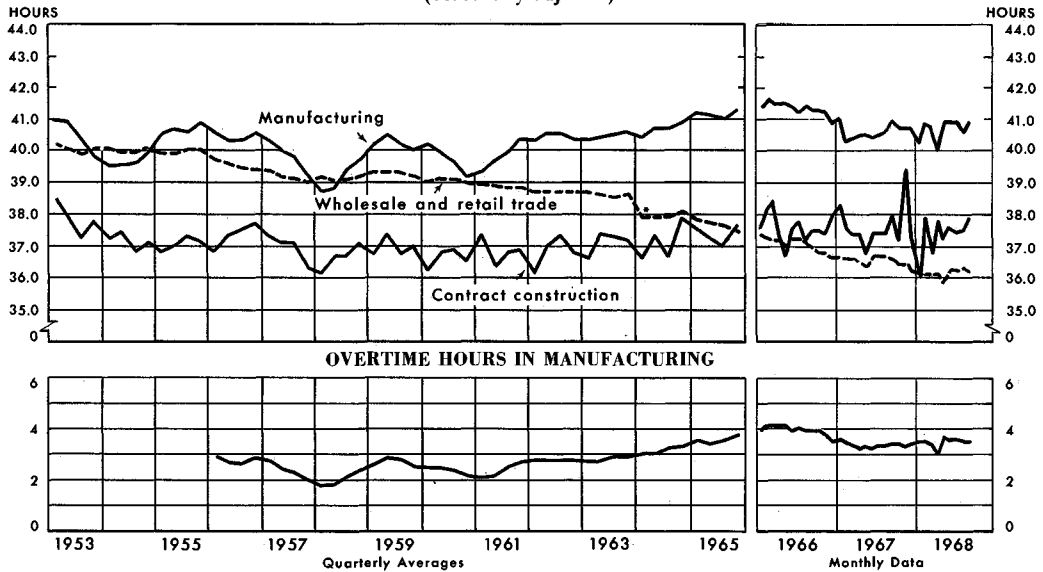


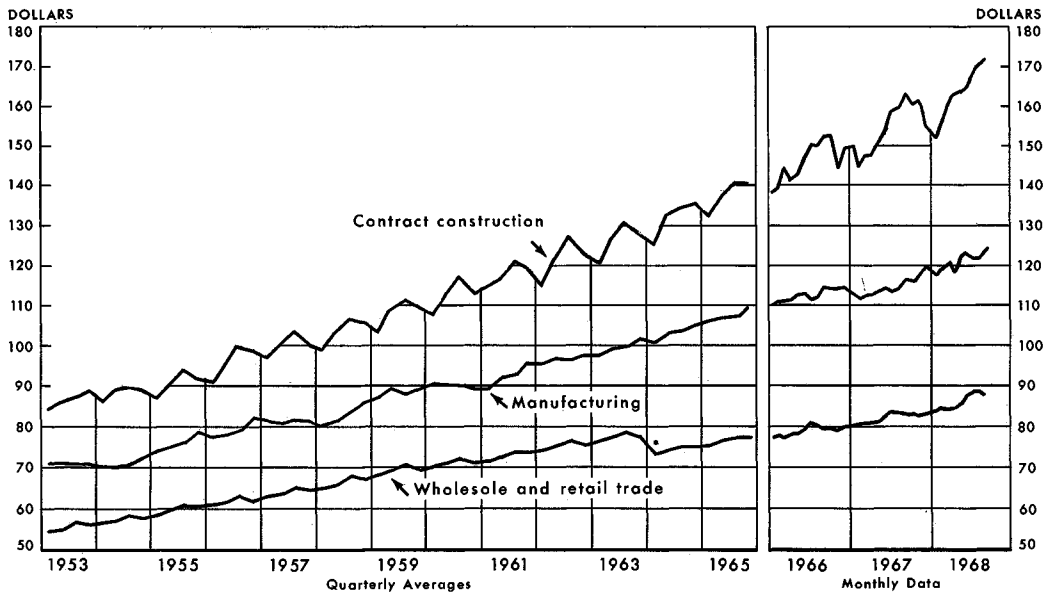


Chart 7. **HOURS OF WORK IN MANUFACTURING, CONTRACT CONSTRUCTION, AND TRADE**  
1953 to date  
(Seasonally adjusted)



\* Includes eating and drinking establishments, not previously available.  
Note: Data for 2 most recent months are preliminary.

Chart 8. **AVERAGE WEEKLY EARNINGS IN MANUFACTURING, CONTRACT CONSTRUCTION, AND TRADE**  
1953 to date



\* Includes eating and drinking establishments, not previously available.  
Note: Data for 2 most recent months are preliminary.

Chart 9. **UNEMPLOYMENT RATES BY MAJOR OCCUPATION GROUPS**  
1957 to date  
(Seasonally adjusted)

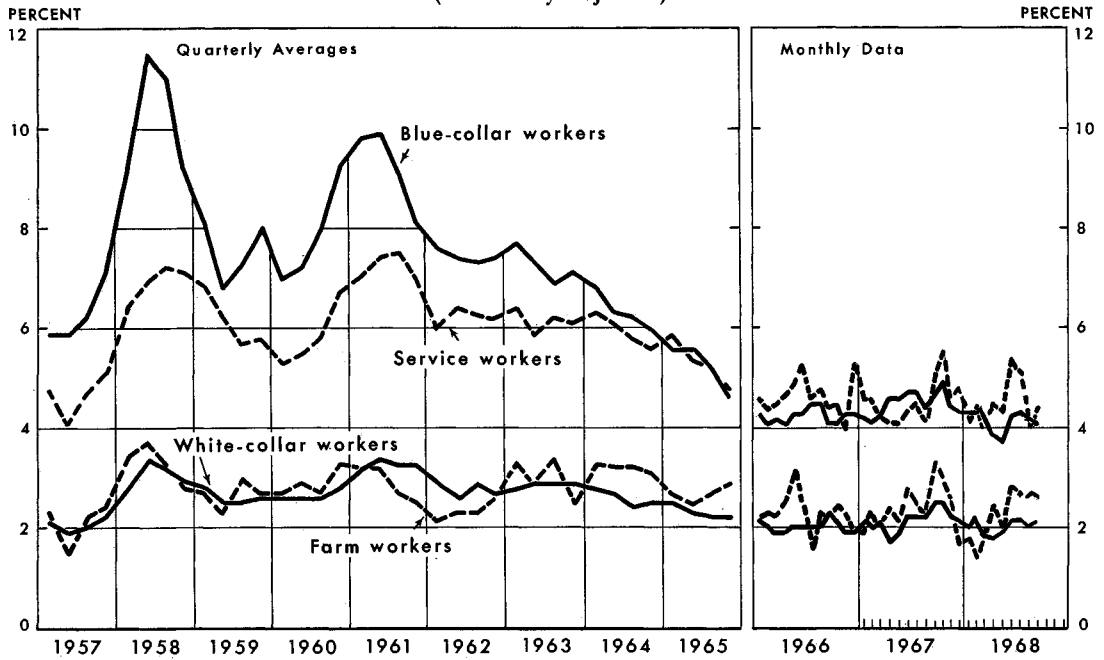
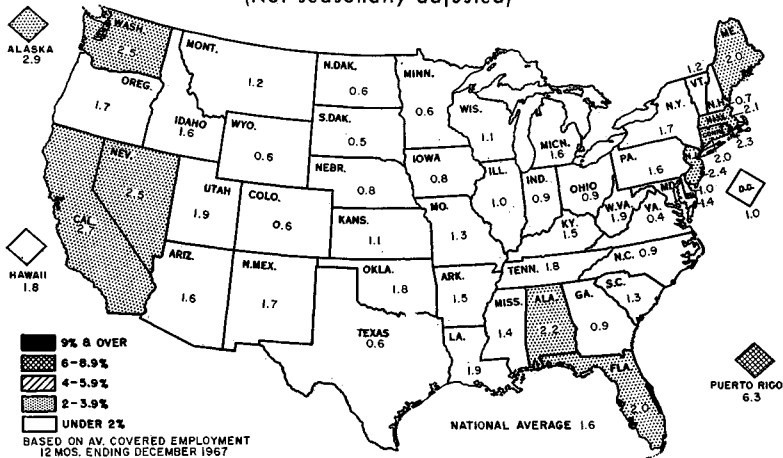


Chart 10.

**STATE INSURED UNEMPLOYMENT RATES**  
Week ending September 14, 1968  
(Not seasonally adjusted)



Insured jobless under State unemployment insurance programs excludes workers who have exhausted their benefit rights, new workers, and persons from jobs not covered by State unemployment insurance programs.

Source: Bureau of Employment Security

Chart 11.

**PERSONS AT WORK IN NONAGRICULTURAL INDUSTRIES  
BY FULL- AND PART-TIME STATUS**  
1955 to date

(Seasonally adjusted quarterly averages)

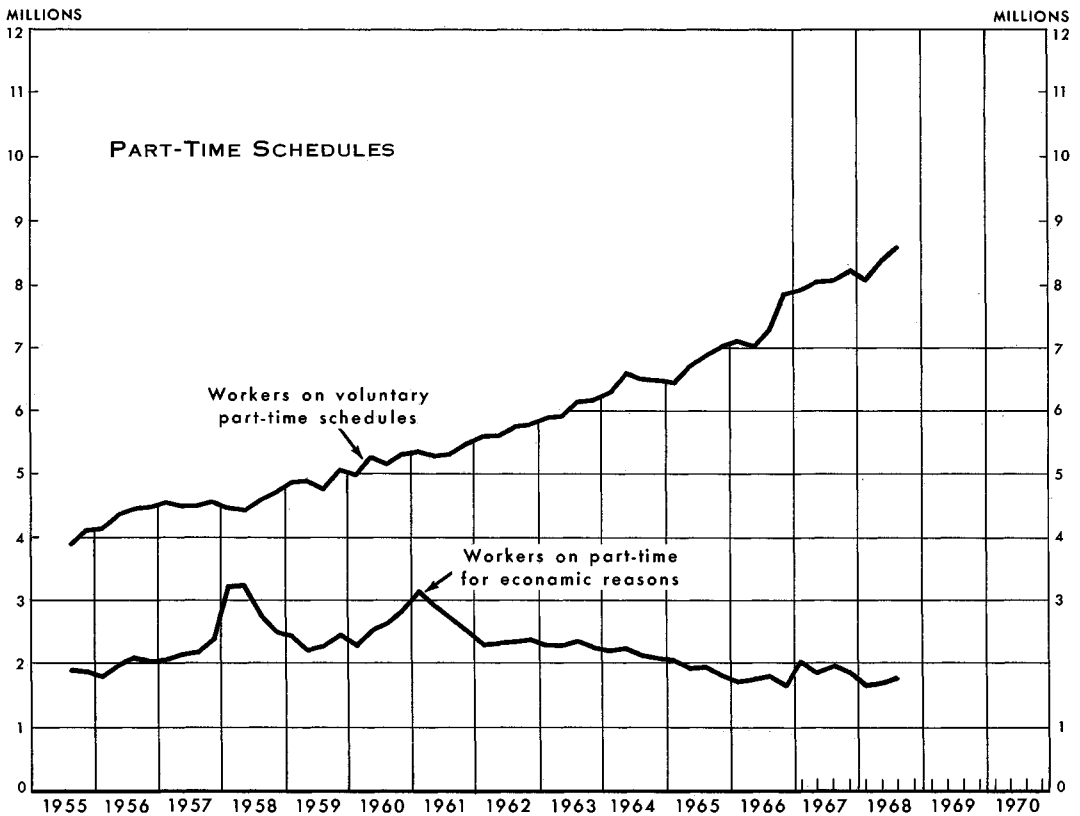
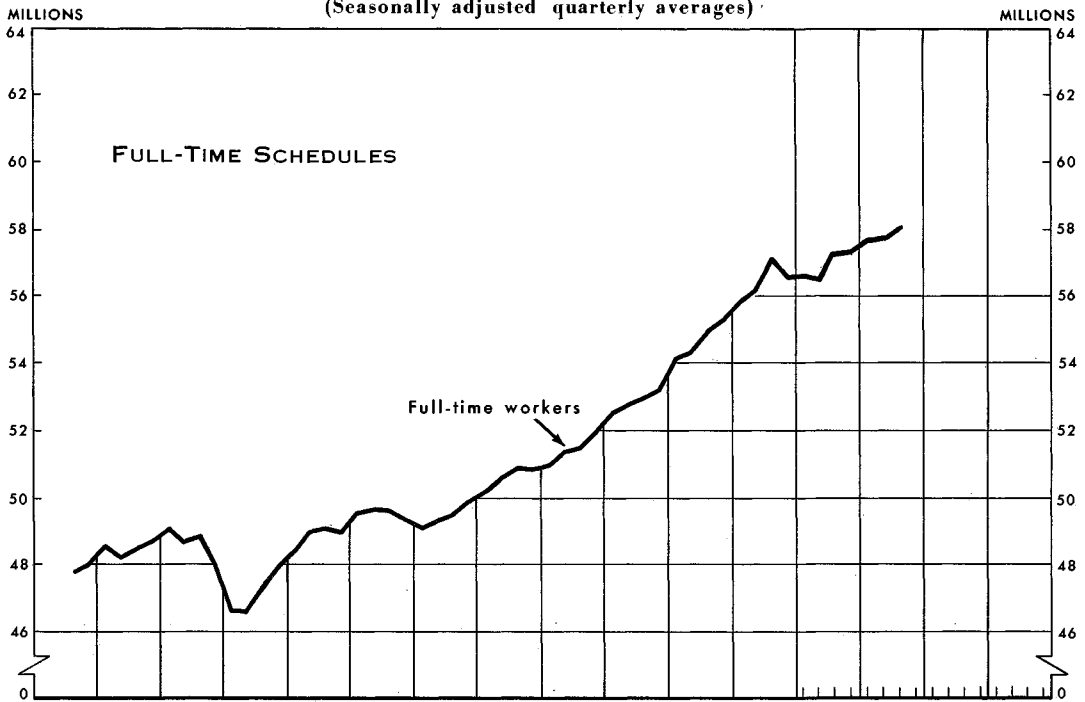
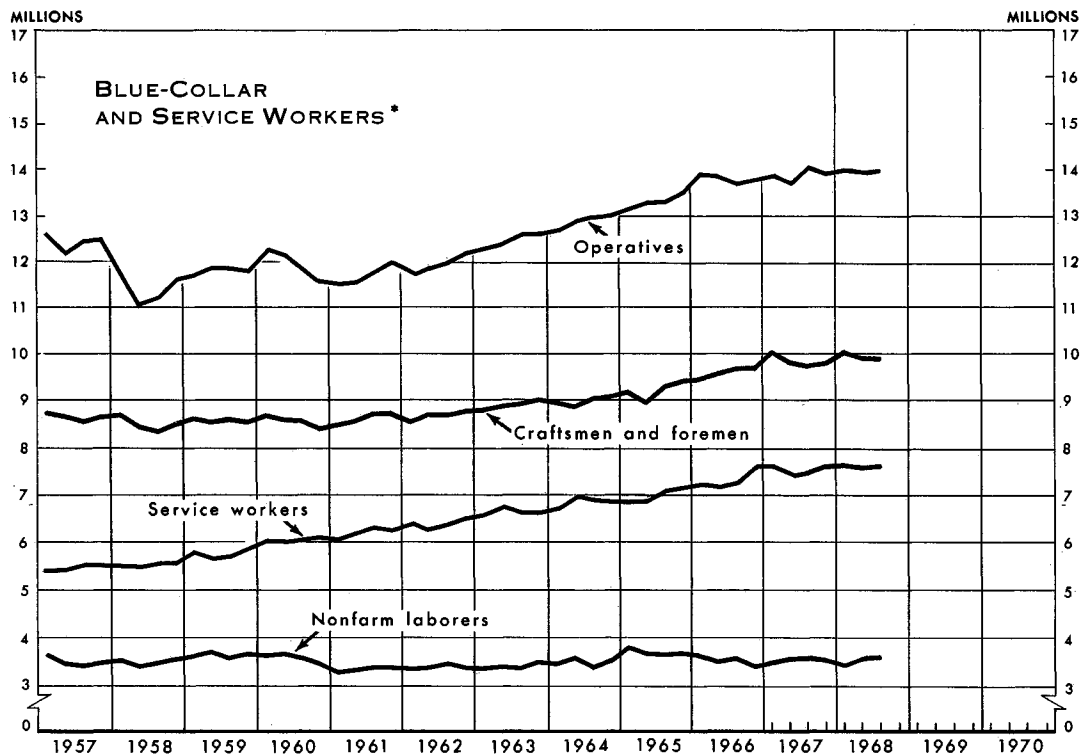
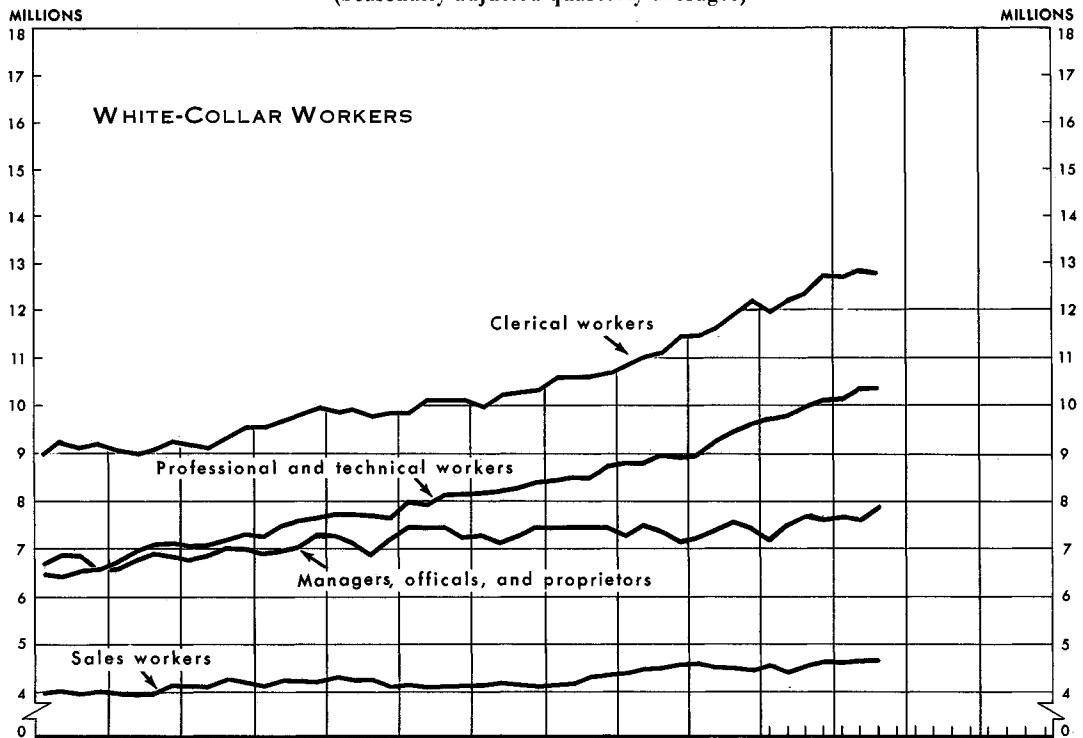


Chart 12.

### EMPLOYMENT IN NONFARM OCCUPATIONS 1957 to date (Seasonally adjusted quarterly averages)



\*Excludes household workers.

Chart 13.

### UNEMPLOYMENT RATES AMONG WHITE-COLLAR AND BLUE-COLLAR WORKERS 1957 to date

(Seasonally adjusted quarterly averages)

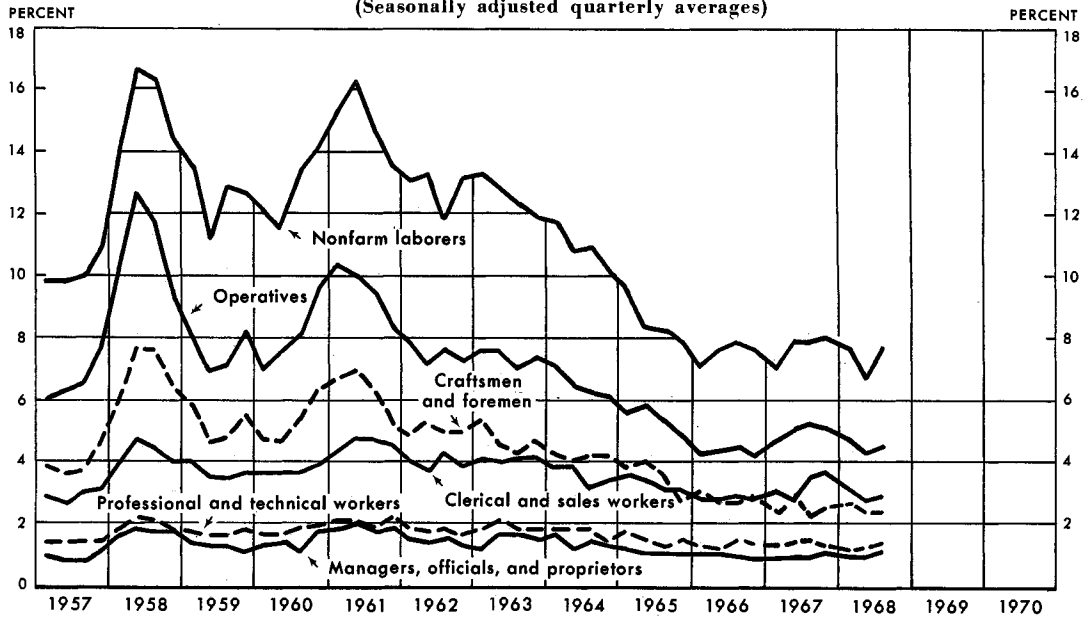
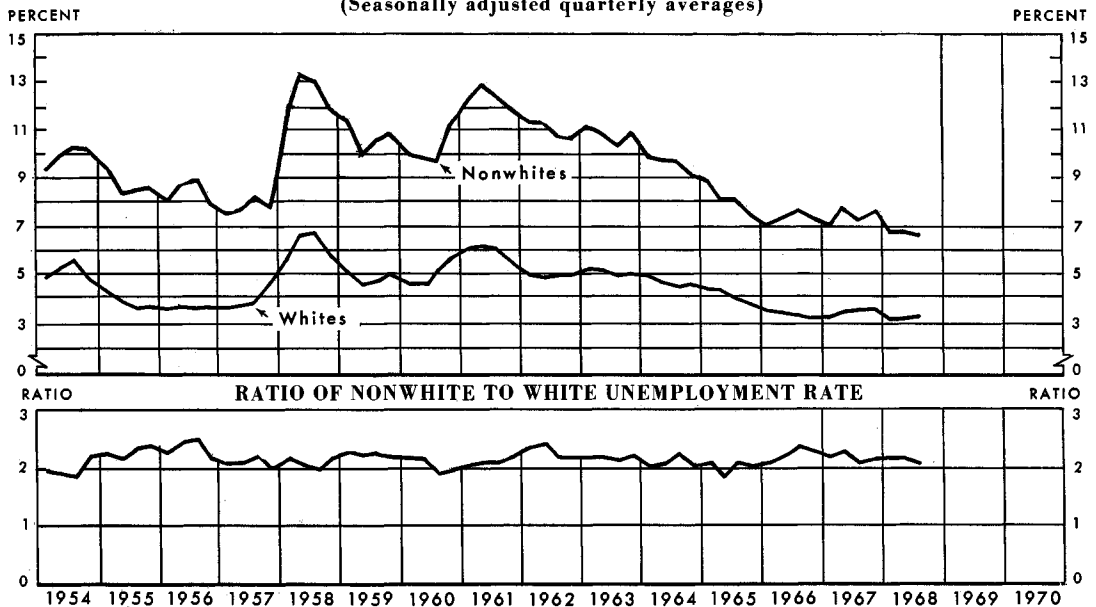


Chart 14.

### UNEMPLOYMENT RATES BY COLOR 1954 to date

(Seasonally adjusted quarterly averages)





# HOUSEHOLD DATA

**A-2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date**

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force		
									Not seasonally adjusted		Seasonally adjusted
<b>MALE</b>											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0		6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6		6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9		6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1		6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8		6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8		6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8		7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3		7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2		7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8		7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1		8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8		8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3		8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4		9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4		9,633
1962.....	59,226	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2		10,231
1963.....	60,227	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2		10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6		11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0		11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2		11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1		11,919
1967: September.....	64,568	52,340	81.1	48,919	47,705	3,254	44,451	1,214	2.5	3.0	12,228
1968: March.....	65,044	52,123	80.1	48,669	47,050	3,015	44,034	1,619	3.3	2.9	12,920
April.....	65,112	52,406	80.5	48,937	47,648	3,241	44,407	1,289	2.6	2.7	12,705
May.....	65,199	52,646	80.7	49,149	48,014	3,259	44,754	1,135	2.3	2.7	12,552
June.....	65,287	54,665	83.7	51,137	49,363	3,607	45,756	1,775	3.5	3.1	10,621
July.....	65,379	55,021	84.2	51,473	49,925	3,614	46,311	1,548	3.0	2.9	10,358
August.....	65,472	54,709	83.6	51,159	49,850	3,351	46,499	1,309	2.6	2.8	10,763
September.....	65,562	52,879	80.7	49,327	48,172	3,136	45,036	1,155	2.3	2.8	12,683
<b>FEMALE</b>											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7		35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1		35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0		35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7		35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4		35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6		36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3		36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0		37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9		37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8		36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7		37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8		37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9		38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9		38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2		38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2		39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5		39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2		40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5		40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8		40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2		40,608
1967: September.....	69,279	28,641	41.3	28,607	26,925	677	26,249	1,681	5.9	5.9	40,637
1968: March.....	69,860	28,815	41.2	28,778	27,468	522	26,946	1,310	4.6	4.8	41,045
April.....	69,948	28,735	41.1	28,697	27,495	610	26,885	1,202	4.2	4.7	41,213
May.....	70,050	29,124	41.6	29,086	27,917	736	27,181	1,169	4.0	4.9	40,926
June.....	70,153	29,788	42.5	29,750	27,910	909	27,001	1,839	6.2	4.9	40,365
July.....	70,260	29,529	42.0	29,490	27,821	862	26,959	1,669	5.7	5.1	40,731
August.....	70,367	29,083	41.3	29,044	27,582	756	26,826	1,463	5.0	4.8	41,284
September.....	70,435	29,257	41.5	29,219	27,767	700	27,067	1,452	5.0	5.0	41,217

# HOUSEHOLD DATA

## A-3: Employment status of the noninstitutional population by age, sex, and color

September 1968  
(In thousands)

Age, sex, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALE</b>											
16 years and over .....	52,879	80.7	49,327	48,172	1,155	2.3	12,683	184	3,735	1,403	7,361
16 to 21 years .....	6,776	62.4	5,226	4,782	444	8.5	4,083	14	3,360	36	673
16 to 19 years .....	3,820	52.9	3,387	3,048	339	10.0	3,401	11	2,878	23	489
16 and 17 years .....	1,504	40.8	1,478	1,305	173	11.7	2,179	7	1,965	7	200
18 and 19 years .....	2,316	65.5	1,909	1,742	166	8.7	1,222	4	913	16	289
20 to 64 years .....	46,854	92.3	43,735	42,967	770	1.8	3,567	55	856	826	1,829
20 to 24 years .....	6,854	86.6	5,032	4,817	215	4.3	1,060	6	704	30	319
25 to 54 years .....	32,939	96.5	31,646	31,207	439	1.4	1,200	28	151	424	598
25 to 29 years .....	6,146	96.6	5,676	5,580	96	1.7	216	1	102	27	86
30 to 34 years .....	5,327	98.0	5,004	4,934	70	1.4	109	3	28	28	50
35 to 39 years .....	5,373	97.4	5,082	5,022	60	1.2	143	3	11	55	74
40 to 44 years .....	5,727	97.3	5,614	5,547	67	1.2	160	3	2	62	94
45 to 49 years .....	5,524	95.9	5,453	5,370	83	1.5	235	8	7	96	125
50 to 54 years .....	4,842	93.5	4,819	4,755	64	1.3	336	9	2	156	169
55 to 64 years .....	7,061	84.4	7,057	6,942	115	1.6	1,307	20	2	372	912
55 to 59 years .....	4,127	89.8	4,124	4,059	65	1.6	468	12	2	191	262
60 to 64 years .....	2,934	77.8	2,933	2,883	50	1.7	839	8	--	181	650
65 years and over .....	2,205	27.8	2,205	2,158	46	2.1	5,715	118	--	555	5,043
65 to 69 years .....	1,281	43.2	1,281	1,244	37	2.8	1,686	22	--	155	1,510
70 years and over .....	924	18.7	924	914	10	1.1	4,029	96	1	400	3,533
<b>WHITE MALE</b>											
16 years and over .....	47,596	81.0	44,422	43,492	930	2.1	11,179	161	3,215	1,141	6,661
16 to 21 years .....	6,008	63.3	4,602	4,258	344	7.5	3,487	15	2,871	26	575
16 to 19 years .....	3,406	54.3	3,012	2,752	260	8.6	2,870	11	2,433	15	411
16 and 17 years .....	1,368	42.8	1,343	1,208	136	10.1	1,830	7	1,656	4	163
18 and 19 years .....	2,039	66.2	1,669	1,544	125	7.5	1,041	4	777	11	248
20 to 64 years .....	42,172	93.2	39,392	38,759	633	1.6	3,064	48	781	677	1,558
20 to 24 years .....	6,036	86.3	4,394	4,216	178	4.1	959	6	648	22	282
25 to 54 years .....	29,679	96.9	28,544	28,185	359	2.3	948	23	132	346	446
25 to 34 years .....	10,234	97.4	9,543	9,405	138	1.4	270	5	117	42	106
35 to 44 years .....	10,011	97.9	9,654	9,561	93	1.0	213	6	9	92	106
45 to 54 years .....	9,435	95.3	9,347	9,219	128	1.4	465	12	7	212	234
55 to 64 years .....	6,457	84.8	6,453	6,358	95	1.5	1,158	19	1	309	829
55 to 59 years .....	3,769	90.3	3,766	3,713	53	1.4	406	11	1	159	236
60 to 64 years .....	2,688	78.2	2,688	2,645	42	1.6	751	8	--	150	593
65 years and over .....	2,018	27.8	2,018	1,981	37	1.8	5,244	102	--	449	4,693
<b>NONWHITE MALE</b>											
16 years and over .....	5,283	77.8	4,905	4,680	225	4.6	1,504	23	520	262	700
16 to 21 years .....	768	56.3	624	524	100	16.0	596	--	489	9	99
16 to 19 years .....	414	43.8	375	296	79	21.0	531	--	445	8	79
16 and 17 years .....	137	28.1	135	97	37	27.7	349	--	309	3	37
18 and 19 years .....	278	60.5	240	199	41	17.2	181	--	136	4	42
20 to 64 years .....	4,682	90.3	4,343	4,207	136	3.1	501	7	75	148	272
20 to 24 years .....	818	89.0	638	601	37	5.8	101	--	56	8	36
25 to 54 years .....	3,259	92.8	3,102	3,022	79	2.5	252	5	18	77	151
25 to 34 years .....	1,239	95.8	1,136	1,108	28	2.4	55	--	13	13	29
35 to 44 years .....	1,089	92.3	1,041	1,008	34	3.2	91	1	3	25	62
45 to 54 years .....	932	89.8	924	906	18	2.0	106	5	2	40	60
55 to 64 years .....	604	80.2	604	584	20	3.3	149	1	1	63	84
55 to 59 years .....	359	85.3	358	346	12	3.3	62	1	1	33	27
60 to 64 years .....	246	73.8	246	238	8	3.2	87	--	--	30	57
65 years and over .....	187	28.4	187	177	10	5.2	472	16	--	106	349



# HOUSEHOLD DATA

**A-3: Employment status of the noninstitutional population by age, sex, and color--Continued**  
 September 1968  
 (In thousands)

Age, sex, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALE</b>											
16 years and over .....	29,257	41.5	29,219	27,767	1,452	5.0	41,217	35,183	3,616	809	1,608
16 to 21 years .....	4,832	45.5	4,810	4,226	584	12.1	5,792	1,847	3,409	14	522
16 to 19 years .....	2,802	39.8	2,792	2,390	402	14.4	4,246	803	3,046	8	390
16 and 17 years .....	1,037	28.9	1,037	880	157	15.1	2,551	208	2,199	5	140
18 and 19 years .....	1,765	51.0	1,756	1,510	245	14.0	1,695	595	847	3	250
20 to 64 years .....	25,473	48.1	25,445	24,413	1,033	4.1	27,459	25,970	566	284	639
20 to 24 years .....	4,268	54.4	4,250	3,943	307	7.2	3,576	2,899	457	14	206
25 to 54 years .....	17,247	48.2	17,236	16,591	645	3.7	18,525	17,965	105	149	304
25 to 29 years .....	2,751	42.6	2,747	2,623	124	4.5	3,710	3,598	32	24	56
30 to 34 years .....	2,341	41.8	2,339	2,215	124	5.3	3,258	3,167	26	18	47
35 to 39 years .....	2,722	47.4	2,720	2,603	116	4.3	3,017	2,936	24	15	42
40 to 44 years .....	3,221	51.8	3,219	3,107	112	3.5	3,002	2,914	16	27	46
45 to 49 years .....	3,301	53.5	3,300	3,209	91	2.8	2,873	2,784	3	28	58
50 to 54 years .....	2,911	52.2	2,910	2,833	77	2.6	2,664	2,567	4	38	55
55 to 64 years .....	3,960	42.5	3,959	3,879	81	2.0	5,358	5,105	4	121	128
55 to 59 years .....	2,400	47.7	2,400	2,349	51	2.1	2,630	2,523	4	52	52
60 to 64 years .....	1,559	36.4	1,559	1,530	29	1.9	2,728	2,583	--	69	76
65 years and over .....	982	9.4	982	964	17	1.8	9,511	8,410	4	517	580
65 to 69 years .....	594	16.6	594	580	14	2.3	2,979	2,791	1	65	122
70 years and over .....	388	5.6	388	384	4	1.0	6,532	5,619	2	452	458
<b>WHITE FEMALE</b>											
16 years and over .....	25,485	40.6	25,452	24,299	1,153	4.5	37,279	32,132	3,100	639	1,408
16 to 21 years .....	4,254	46.2	4,237	3,799	437	10.3	4,963	1,573	2,921	10	460
16 to 19 years .....	2,494	41.0	2,486	2,192	294	11.8	3,585	646	2,595	6	337
16 and 17 years .....	953	30.8	953	827	126	13.2	2,138	163	1,854	3	118
18 and 19 years .....	1,541	51.6	1,533	1,364	168	11.0	1,447	483	741	4	220
20 to 64 years .....	22,098	47.0	22,073	21,229	844	3.8	24,909	23,636	502	214	556
20 to 24 years .....	3,691	53.7	3,676	3,436	240	6.5	3,184	2,585	408	9	182
25 to 54 years .....	14,825	46.8	14,815	14,286	530	3.6	16,839	16,364	91	122	262
25 to 29 years .....	4,256	40.2	4,250	4,067	183	4.3	6,320	6,149	48	31	93
30 to 34 years .....	5,108	48.5	5,105	4,914	192	3.8	5,430	5,283	37	35	75
35 to 44 years .....	5,461	51.8	5,460	5,305	155	2.8	5,089	4,932	7	56	93
55 to 64 years .....	3,581	42.3	3,581	3,507	74	2.1	4,887	4,688	3	83	113
55 to 59 years .....	2,173	47.7	2,173	2,126	46	2.1	2,381	2,298	3	33	47
60 to 64 years .....	1,409	36.0	1,409	1,381	27	1.9	2,505	2,390	--	50	65
65 years and over .....	893	9.2	893	878	15	1.7	8,785	7,850	3	419	514
<b>NONWHITE FEMALE</b>											
16 years and over .....	3,772	48.9	3,767	3,469	299	7.9	3,938	3,051	516	170	201
16 to 21 years .....	577	41.0	574	427	147	25.5	829	274	489	4	62
16 to 19 years .....	308	31.7	306	199	108	35.2	661	157	451	2	52
16 and 17 years .....	83	16.8	83	53	30	36.5	413	45	344	2	22
18 and 19 years .....	224	47.4	223	146	77	34.7	249	113	106	--	30
20 to 64 years .....	3,376	57.0	3,372	3,184	188	5.6	2,551	2,334	64	71	82
20 to 24 years .....	577	59.5	574	507	67	11.6	393	315	49	6	24
25 to 54 years .....	2,421	58.9	2,420	2,305	115	4.8	1,687	1,601	14	28	44
25 to 34 years .....	836	56.3	835	771	64	7.7	648	616	11	11	10
35 to 44 years .....	834	58.6	834	797	37	4.4	590	566	4	7	13
45 to 54 years .....	751	62.6	751	738	14	1.8	449	419	--	10	20
55 to 64 years .....	378	44.5	378	372	7	1.8	471	418	1	38	15
55 to 59 years .....	228	47.8	228	223	5	2.1	249	225	1	19	4
60 to 64 years .....	151	40.4	151	149	2	1.2	223	193	--	19	11
65 years and over .....	89	10.9	89	86	3	2.9	725	560	1	98	67

# HOUSEHOLD DATA

## A- 4: Labor force by age, sex, and color

Age, sex, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>MALE</b>								
16 years and over.....	52,879	52,340	80.7	81.1	49,327	48,919	79.5	80.0
16 to 19 years.....	3,820	3,978	52.9	55.9	3,387	3,319	49.9	51.4
16 and 17 years.....	1,504	1,509	40.8	42.2	1,478	1,479	40.4	41.7
18 and 19 years.....	2,316	2,469	65.5	69.8	1,909	1,840	61.0	63.2
20 to 24 years.....	6,854	6,594	86.6	86.8	5,032	5,066	82.6	83.5
25 to 54 years.....	32,939	32,614	96.5	96.6	31,646	31,386	96.3	96.5
25 to 34 years.....	11,473	11,040	97.2	97.1	10,679	10,307	97.0	96.9
35 to 44 years.....	11,100	11,259	97.3	97.4	10,696	10,865	97.2	97.3
45 to 54 years.....	10,366	10,314	94.8	95.2	10,272	10,214	94.7	95.1
55 to 64 years.....	7,061	6,995	84.4	84.8	7,057	6,990	84.4	84.8
55 to 59 years.....	4,127	4,098	89.8	90.7	4,124	4,092	89.8	90.7
60 to 64 years.....	2,934	2,898	77.8	77.6	2,933	2,897	77.8	77.6
65 years and over.....	2,205	2,158	27.8	27.5	2,205	2,158	27.8	27.5
<b>WHITE MALE</b>								
16 years and over.....	47,596	47,107	81.0	81.3	44,422	43,991	79.9	80.3
16 to 19 years.....	3,406	3,512	54.3	56.7	3,012	2,902	51.2	51.9
16 and 17 years.....	1,368	1,333	42.8	43.0	1,343	1,306	42.3	42.5
18 and 19 years.....	2,039	2,179	66.2	70.4	1,669	1,597	61.6	63.5
20 to 24 years.....	6,036	5,828	86.3	86.6	4,394	4,434	82.1	83.1
25 to 54 years.....	29,679	29,378	96.9	96.9	28,544	28,272	96.8	96.8
25 to 34 years.....	10,234	9,844	97.4	97.3	9,543	9,190	97.3	97.1
35 to 44 years.....	10,011	10,162	97.9	97.9	9,654	9,803	97.8	97.9
45 to 54 years.....	9,435	9,373	95.3	95.6	9,347	9,278	95.3	95.5
55 to 64 years.....	6,457	6,398	84.8	85.3	6,453	6,392	84.8	85.2
55 to 59 years.....	3,769	3,755	90.3	91.4	3,766	3,750	90.3	91.4
60 to 64 years.....	2,688	2,643	78.2	77.8	2,688	2,642	78.2	77.8
65 years and over.....	2,018	1,991	27.8	27.7	2,018	1,991	27.8	27.7
<b>NONWHITE MALE</b>								
16 years and over.....	5,283	5,233	77.8	78.8	4,905	4,928	76.5	77.8
16 to 19 years.....	414	467	43.8	50.8	375	417	41.4	48.0
16 and 17 years.....	137	176	28.1	37.0	135	173	27.8	36.6
18 and 19 years.....	278	291	60.5	65.6	240	244	57.0	61.5
20 to 24 years.....	818	766	89.0	88.4	638	632	86.4	86.3
25 to 54 years.....	3,259	3,236	92.8	93.4	3,102	3,113	92.5	93.1
25 to 34 years.....	1,239	1,196	95.8	95.7	1,136	1,116	95.4	95.4
35 to 44 years.....	1,089	1,098	92.3	92.4	1,041	1,061	92.0	92.2
45 to 54 years.....	932	942	89.8	91.7	924	936	89.7	91.7
55 to 64 years.....	604	598	80.2	80.1	604	598	80.2	80.1
55 to 59 years.....	359	343	85.3	85.3	358	343	85.3	85.3
60 to 64 years.....	246	255	73.8	75.9	246	255	73.8	75.9
65 years and over.....	187	167	28.4	25.9	187	167	28.4	25.9

## HOUSEHOLD DATA

A- 4: Labor force by age, sex, and color--Continued

Age, sex, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>FEMALE</b>								
16 years and over .....	29,257	28,641	41.5	41.3	29,219	28,607	41.5	41.3
16 to 19 years .....	2,802	2,714	39.8	39.1	2,792	2,704	39.7	39.0
16 and 17 years .....	1,037	979	28.9	28.1	1,037	979	28.9	28.1
18 and 19 years .....	1,765	1,735	51.0	50.1	1,756	1,725	50.9	50.0
20 to 24 years .....	4,268	4,007	54.4	53.1	4,250	3,993	54.3	53.0
25 to 54 years .....	17,247	16,984	48.2	48.0	17,236	16,973	48.2	48.0
25 to 34 years .....	5,092	5,060	42.2	43.5	5,086	5,054	42.2	43.4
35 to 44 years .....	5,942	5,884	49.7	48.5	5,939	5,881	49.7	48.4
45 to 54 years .....	6,212	6,039	52.9	52.1	6,211	6,038	52.9	52.1
55 to 64 years .....	3,960	3,965	42.5	43.4	3,959	3,965	42.5	43.4
55 to 59 years .....	2,400	2,400	47.7	48.8	2,400	2,400	47.7	48.8
60 to 64 years .....	1,559	1,565	36.4	37.2	1,559	1,565	36.4	37.2
65 years and over .....	982	972	9.4	9.5	982	972	9.4	9.5
<b>WHITE FEMALE</b>								
16 years and over .....	25,485	24,891	40.6	40.3	25,452	24,859	40.6	40.3
16 to 19 years .....	2,494	2,388	41.0	39.7	2,486	2,378	40.9	39.7
16 and 17 years .....	953	878	30.8	29.3	953	878	30.8	29.3
18 and 19 years .....	1,541	1,510	51.6	50.2	1,533	1,501	51.4	50.1
20 to 24 years .....	3,691	3,488	53.7	52.6	3,676	3,475	53.6	52.5
25 to 54 years .....	14,825	14,571	46.8	46.5	14,815	14,562	46.8	46.5
25 to 34 years .....	4,256	4,227	40.2	41.5	4,250	4,222	40.2	41.4
35 to 44 years .....	5,108	5,009	48.5	46.7	5,105	5,005	48.5	46.7
45 to 54 years .....	5,461	5,336	51.8	51.2	5,460	5,335	51.8	51.2
55 to 64 years .....	3,581	3,574	42.3	43.0	3,581	3,573	42.3	43.0
55 to 59 years .....	2,173	2,160	47.7	48.4	2,173	2,159	47.7	48.4
60 to 64 years .....	1,409	1,414	36.0	36.8	1,409	1,414	36.0	36.8
65 years and over .....	893	870	9.2	9.2	893	870	9.2	9.2
<b>NONWHITE FEMALE</b>								
16 years and over .....	3,772	3,750	48.9	49.8	3,767	3,748	48.9	49.8
16 to 19 years .....	308	326	31.7	34.7	306	326	31.7	34.7
16 and 17 years .....	83	102	16.8	21.0	83	102	16.8	21.0
18 and 19 years .....	224	225	47.4	49.3	223	224	47.3	49.2
20 to 24 years .....	577	519	59.5	56.6	574	518	59.4	56.6
25 to 54 years .....	2,421	2,412	58.9	59.5	2,420	2,411	58.9	59.5
25 to 34 years .....	836	833	56.3	57.6	835	833	56.3	57.6
35 to 44 years .....	834	876	58.6	61.4	834	875	58.6	61.4
45 to 54 years .....	751	703	62.6	59.6	751	703	62.6	59.6
55 to 64 years .....	378	391	44.5	47.2	378	391	44.5	47.2
55 to 59 years .....	228	241	47.8	52.4	228	241	47.8	52.4
60 to 64 years .....	151	151	40.4	40.8	151	151	40.4	40.8
65 years and over .....	89	101	10.9	12.8	89	101	10.9	12.8

**HOUSEHOLD DATA**

**A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex**  
September 1968  
(In thousands)

Employment status	Total			White			Nonwhite		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	21,482	10,859	10,623	18,712	9,494	9,217	2,770	1,364	1,406
Total labor force	11,607	6,776	4,832	10,262	6,008	4,254	1,345	768	577
Percent of population	54.0	62.4	45.5	54.8	63.3	46.2	48.6	56.3	41.0
Civilian labor force	10,036	5,226	4,810	8,838	4,602	4,237	1,198	624	574
Employed	9,009	4,782	4,226	8,057	4,258	3,799	951	524	427
Agriculture	491	424	67	435	381	54	56	42	13
Nonagricultural industries	8,518	4,359	4,159	7,622	3,877	3,745	896	482	414
Unemployed	1,028	444	584	781	344	437	247	100	147
Percent of labor force	10.2	8.5	12.1	8.8	7.5	10.3	20.6	16.0	25.5
Looking for full-time work	588	220	368	427	162	266	161	58	103
Looking for part-time work	440	224	216	354	182	172	86	42	44
Not in labor force	9,875	4,083	5,792	8,450	3,487	4,963	1,425	596	829
Major activity: going to school									
Civilian labor force	2,888	1,748	1,140	2,675	1,623	1,052	214	125	89
Employed	2,504	1,537	967	2,362	1,448	915	141	89	52
Agriculture	207	180	27	190	167	23	17	13	4
Nonagricultural industries	2,297	1,357	940	2,173	1,281	892	124	76	48
Unemployed	384	211	173	312	175	137	72	36	37
Percent of labor force	13.3	12.1	15.2	11.7	10.8	13.0	33.9	28.7	41.2
Looking for full-time work	12	5	7	11	5	5	2	--	2
Looking for part-time work	372	206	167	301	170	132	71	36	35
Not in labor force	6,769	3,360	3,409	5,792	2,871	2,921	977	489	489
Major activity: other									
Civilian labor force	7,148	3,478	3,670	6,164	2,979	3,185	984	499	485
Employed	6,505	3,245	3,260	5,695	2,810	2,885	810	435	375
Agriculture	284	244	40	246	214	31	38	29	9
Nonagricultural industries	6,221	3,002	3,219	5,449	2,596	2,853	772	406	366
Unemployed	643	233	410	469	168	301	174	64	110
Percent of labor force	9.0	6.7	11.2	7.6	5.7	9.4	17.7	12.9	22.7
Looking for full-time work	575	214	361	417	156	260	159	58	101
Looking for part-time work	68	18	49	52	12	40	15	6	9
Not in labor force	3,106	723	2,383	2,658	615	2,043	448	107	340

**A- 6: Employment status of the noninstitutional population 16 years and over by color, age, and sex**  
(In thousands)

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>TOTAL</b>								
Total noninstitutional population	136,036	133,847	58,340	57,451	63,426	62,331	14,270	14,066
Total labor force	82,137	80,982	49,059	48,362	26,455	25,927	6,622	6,693
Percent of population	60.4	60.5	84.1	84.2	41.7	41.6	46.4	47.6
Civilian labor force	78,546	77,526	45,940	45,600	26,427	25,903	6,179	6,024
Employed	75,939	74,631	45,125	44,761	25,377	24,615	5,438	5,254
Agriculture	3,836	3,931	2,809	2,924	651	638	376	369
Nonagricultural industries	72,103	70,700	42,316	41,837	24,726	23,978	5,062	4,886
Unemployed	2,606	2,895	816	839	1,050	1,287	741	769
Percent of labor force	3.3	3.7	1.8	1.8	4.0	5.0	12.0	12.8
Not in labor force	53,900	52,865	9,282	9,089	36,970	36,404	7,648	7,373
<b>WHITE</b>								
Total noninstitutional population	121,539	119,676	52,498	51,727	56,685	55,743	12,356	12,206
Total labor force	73,081	71,998	44,190	43,595	22,991	22,503	5,901	5,899
Percent of population	60.1	60.2	84.2	84.3	40.6	40.4	47.8	48.3
Civilian labor force	69,874	68,850	41,410	41,089	22,966	22,481	5,498	5,281
Employed	67,790	66,581	40,740	40,385	22,107	21,468	4,943	4,728
Agriculture	3,414	3,514	2,512	2,638	564	555	339	321
Nonagricultural industries	64,376	63,067	38,228	37,748	21,543	20,913	4,605	4,406
Unemployed	2,083	2,269	670	704	859	1,013	555	553
Percent of labor force	3.0	3.3	1.6	1.7	3.7	4.5	10.1	10.5
Not in labor force	48,458	47,678	8,308	8,131	33,694	33,240	6,455	6,307
<b>NONWHITE</b>								
Total noninstitutional population	14,497	14,171	5,842	5,724	6,741	6,587	1,914	1,859
Total labor force	9,055	8,984	4,869	4,767	3,465	3,424	722	793
Percent of population	62.5	63.4	83.3	83.3	51.4	52.0	37.7	42.7
Civilian labor force	8,672	8,675	4,530	4,511	3,461	3,422	681	743
Employed	8,149	8,050	4,384	4,376	3,270	3,147	495	527
Agriculture	422	417	297	287	87	83	38	47
Nonagricultural industries	7,727	7,633	4,087	4,089	3,183	3,065	457	479
Unemployed	523	626	146	135	191	275	186	216
Percent of labor force	6.0	7.2	3.2	3.0	5.5	8.0	27.4	29.1
Not in labor force	5,442	5,187	973	957	3,276	3,163	1,192	1,066

# HOUSEHOLD DATA

## A. 7: Full- and part-time status of the civilian labor force by age and sex

September 1968

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
16 years and over .....	68,365	64,682	1,844	1,838	2.7	10,181	9,413	768	7.5
16 to 21 years .....	6,645	5,680	377	588	8.8	3,392	2,952	440	13.0
16 to 19 years .....	3,320	2,723	235	362	10.9	2,859	2,480	379	13.3
16 and 17 years .....	585	424	77	83	14.2	1,930	1,684	247	12.8
18 and 19 years .....	2,735	2,299	158	279	10.2	929	796	133	14.3
20 years and over .....	65,045	61,959	1,610	1,476	2.3	7,322	6,933	389	5.3
20 to 24 years .....	8,272	7,581	280	411	5.0	1,010	899	111	11.0
25 years and over .....	56,773	54,379	1,330	1,065	1.9	6,312	6,034	278	4.4
25 to 54 years .....	44,922	43,096	951	876	2.0	3,961	3,752	208	5.3
55 years and over .....	11,851	11,283	379	189	1.6	2,351	2,282	70	3.0
<b>MALE</b>									
16 years and over .....	45,801	44,019	923	859	1.9	3,526	3,230	295	8.4
16 to 21 years .....	3,337	2,919	198	220	6.6	1,889	1,665	224	11.9
16 to 19 years .....	1,740	1,483	119	138	8.0	1,646	1,446	201	12.2
20 years and over .....	44,061	42,535	805	721	1.6	1,880	1,785	95	5.0
20 to 24 years .....	4,593	4,286	142	166	3.6	439	389	50	11.3
25 years and over .....	39,467	38,250	663	555	1.4	1,440	1,396	44	3.1
25 to 54 years .....	31,246	30,377	448	421	1.3	400	382	18	4.5
55 years and over .....	8,221	7,872	216	134	1.6	1,040	1,013	27	2.6
<b>FEMALE</b>									
16 years and over .....	22,563	20,664	921	979	4.3	6,655	6,182	473	7.1
16 to 21 years .....	3,307	2,761	179	368	11.1	1,503	1,287	216	14.4
16 to 19 years .....	1,579	1,240	116	223	14.1	1,213	1,034	179	14.7
20 years and over .....	20,984	19,424	805	755	3.6	5,442	5,148	294	5.4
20 to 24 years .....	3,679	3,295	138	246	6.7	571	510	61	10.7
25 years and over .....	17,306	16,129	666	509	2.9	4,872	4,639	233	4.8
25 to 54 years .....	13,676	12,718	503	455	3.3	3,560	3,370	190	5.3
55 years and over .....	3,630	3,411	164	55	1.5	1,312	1,269	43	3.3

<sup>1/</sup> Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

# HOUSEHOLD DATA

## A- 8: Unemployed persons by age and sex

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>Total, 16 years and over</b> .....	1,155	1,214	2.3	2.5	1,452	1,681	5.0	5.9
16 to 19 years .....	339	375	10.0	11.3	402	394	14.4	14.6
16 and 17 years .....	173	188	11.7	12.7	157	157	15.1	16.1
18 and 19 years .....	166	187	8.7	10.2	245	237	14.0	13.7
20 years and over .....	816	839	1.8	1.8	1,050	1,287	4.0	5.0
20 to 24 years .....	215	206	4.3	4.1	307	363	7.2	9.1
25 years and over .....	600	633	1.5	1.6	743	924	3.3	4.2
25 to 34 years .....	165	159	1.5	1.5	248	345	4.9	6.8
35 to 44 years .....	127	156	1.2	1.4	229	265	3.8	4.5
45 to 54 years .....	146	166	1.4	1.6	168	177	2.7	2.9
55 to 64 years .....	111	111	1.6	1.6	81	107	2.0	2.7
55 to 59 years .....	65	58	1.6	1.4	51	69	2.1	2.9
60 to 64 years .....	50	53	1.7	1.8	29	38	1.9	2.4
65 years and over .....	46	41	2.1	1.9	17	30	1.8	3.1
<b>Household head, 16 years and over</b> .....	558	577	1.3	1.4	203	266	3.3	4.4
16 to 24 years .....	62	57	2.1	1.9	41	42	7.1	8.2
25 to 54 years .....	346	383	1.2	1.3	114	160	3.3	4.6
55 years and over .....	151	138	1.7	1.6	49	65	2.4	3.1

## A- 9: Unemployed persons by marital status, age, sex, and color

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>Total, 16 years and over</b> .....	1,155	1,214	2.3	2.5	1,452	1,681	5.0	5.9
Married, spouse present .....	470	526	1.2	1.4	737	876	4.3	5.2
Widowed, divorced, or separated .....	93	89	3.7	3.6	212	301	3.8	5.3
Single (never married).....	591	599	7.2	7.4	502	504	7.8	8.1
<b>Total, 20 to 64 years of age</b> .....	770	798	1.8	1.8	1,033	1,257	4.1	5.0
Married, spouse present .....	431	489	1.2	1.3	671	814	4.0	5.0
Widowed, divorced, or separated .....	82	81	3.7	3.7	182	264	3.7	5.3
Single (never married).....	257	228	5.2	4.6	179	179	4.5	4.7
<b>White, 16 years and over</b> .....	930	977	2.1	2.2	1,153	1,293	4.5	5.2
Married, spouse present .....	391	454	1.1	1.3	625	735	4.1	4.9
Widowed, divorced, or separated .....	72	72	3.7	3.7	160	193	3.6	4.3
Single (never married).....	468	450	6.5	6.4	368	364	6.5	6.7
<b>White, 20 to 64 years of age</b> .....	633	670	1.6	1.7	844	986	3.8	4.6
Married, spouse present .....	359	422	1.1	1.3	576	684	3.9	4.8
Widowed, divorced, or separated .....	62	67	3.6	3.9	137	161	3.5	4.1
Single (never married).....	212	180	4.9	4.2	131	141	3.8	4.2
<b>Nonwhite, 16 years and over</b> .....	225	237	4.6	4.8	299	389	7.9	10.4
Married, spouse present .....	79	72	2.4	2.2	112	141	6.0	7.7
Widowed, divorced, or separated .....	21	17	4.1	3.1	52	108	4.7	9.3
Single (never married).....	124	149	12.2	14.0	134	140	17.0	18.2
<b>Nonwhite, 20 to 64 years of age</b> .....	136	127	3.1	2.9	188	272	5.6	8.2
Married, spouse present .....	72	66	2.2	2.1	96	130	5.3	7.4
Widowed, divorced, or separated .....	19	14	3.9	2.9	45	103	4.4	9.5
Single (never married).....	45	48	6.9	7.2	49	38	9.3	7.9

# HOUSEHOLD DATA

## A-10: Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
Total.....	2,606	2,895	3.3	3.7	2.3	2.5	5.0	5.9
White-collar workers.....	827	920	2.3	2.6	1.3	1.2	5.0	4.3
Professional and technical.....	164	165	1.6	1.6	1.1	1.0	2.4	2.7
Managers, officials, and proprietors.....	76	74	.9	1.0	.9	.6	1.0	2.6
Clerical workers.....	464	495	3.5	3.9	2.4	1.7	4.0	4.7
Sales workers.....	123	186	2.6	4.0	1.4	2.1	4.3	6.4
Blue-collar workers.....	935	1,066	3.3	3.7	2.7	2.9	5.8	7.3
Craftsmen and foremen.....	155	157	1.5	1.5	1.4	1.4	3.5	4.6
Carpenters and other construction craftsmen.....	61	69	2.0	2.3	2.0	2.3	(1)	--
All other.....	94	88	1.3	1.2	1.2	1.0	3.3	4.8
Operatives.....	569	673	3.9	4.6	2.9	3.3	6.0	7.4
Drivers and deliverymen.....	83	64	3.2	2.4	3.1	2.2	5.0	(1)
All other.....	486	609	4.1	5.1	2.9	3.7	6.0	7.4
Nonfarm laborers.....	211	237	5.5	6.2	5.4	6.2	7.5	8.1
Construction laborers.....	65	59	8.0	7.2	8.1	7.2	--	--
All other.....	146	178	4.8	6.0	4.7	5.9	7.9	8.3
Service workers.....	412	453	4.3	4.8	3.1	3.5	4.9	5.4
Private household.....	87	80	5.0	4.6	--	6.7	5.1	4.6
All other.....	325	373	4.2	4.8	3.2	3.5	4.9	5.7
Farmers and farm laborers.....	67	81	1.9	2.2	1.7	1.6	2.9	5.0
No previous work experience.....	365	375	--	--	--	--	--	--
16 to 19 years.....	267	287	--	--	--	--	--	--
20 to 24 years.....	65	46	--	--	--	--	--	--
25 years and over.....	34	42	--	--	--	--	--	--

1/ Percent not shown where base is less than 100,000.

## A-11: Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
Total.....	100.0	100.0	3.3	3.7	2.3	2.5	5.0	5.9
Private wage and salary workers.....	70.6	72.9	3.2	3.8	2.4	2.6	4.6	5.8
Mining.....	.7	.4	3.2	2.2	3.3	2.3	(1)	--
Construction.....	4.9	4.2	3.5	3.4	3.6	3.3	.5	4.5
Manufacturing.....	24.2	25.5	3.0	3.5	2.0	2.4	5.4	6.3
Durable goods.....	13.5	13.4	2.8	3.2	2.0	2.5	5.9	5.7
Primary metal industries.....	1.9	1.5	3.8	3.1	3.5	2.9	8.5	5.0
Fabricated metal products.....	1.1	2.1	1.8	3.5	1.5	2.2	2.7	9.1
Machinery.....	2.1	2.0	2.6	2.7	2.0	2.3	5.7	5.3
Electrical equipment.....	2.5	2.0	3.2	2.9	1.6	1.6	5.6	4.9
Motor vehicles and equipment.....	.5	1.0	1.2	2.6	.9	2.3	4.4	5.5
All other transportation equipment.....	1.4	1.1	2.8	2.6	2.3	2.5	5.7	3.3
Other durable goods industries.....	3.9	3.7	3.6	4.0	2.2	3.5	7.7	6.0
Nondurable goods.....	10.7	12.1	3.2	4.0	2.1	2.2	5.0	6.7
Food and kindred products.....	2.7	3.4	3.8	4.8	2.5	3.4	7.0	8.5
Textile mill products.....	1.4	1.4	3.4	3.7	3.1	1.8	3.7	5.8
Apparel and other finished textile products.....	2.8	3.1	5.3	6.5	3.9	4.2	5.7	7.2
Other nondurable goods industries.....	3.8	4.3	2.3	2.9	1.5	1.5	3.9	5.9
Transportation and public utilities.....	4.1	3.2	2.5	2.2	2.3	2.1	3.2	2.8
Railroads and railway express.....	.3	.9	1.3	3.3	1.3	3.4	(1)	(1)
Other transportation.....	2.4	1.7	3.4	2.8	3.4	2.4	3.1	5.2
Communication and other public utilities.....	1.3	.6	2.1	1.1	1.4	.6	3.4	1.9
Wholesale and retail trade.....	17.1	19.3	3.5	4.6	2.4	2.6	5.1	7.1
Finance, insurance, and real estate.....	3.2	3.5	2.4	3.1	1.6	1.5	3.3	4.7
Service industries.....	16.5	16.7	3.8	4.4	3.3	3.2	4.2	5.1
Professional services.....	5.4	6.4	2.7	3.6	1.8	1.8	3.2	4.4
All other service industries.....	11.1	10.3	4.8	5.1	4.3	4.0	5.1	5.8
Agricultural wage and salary workers.....	2.9	3.4	5.5	7.0	4.8	5.5	9.0	14.0
All other classes of workers.....	12.5	10.8	1.6	1.6	1.0	.9	2.7	2.7
No previous work experience.....	14.0	13.0	--	--	--	--	--	--

1/ Percent not shown where base is less than 100,000.

# HOUSEHOLD DATA

**A-12: Unemployed persons by reason for unemployment, sex, age, and color**

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Nonwhite	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>UNEMPLOYMENT LEVEL</b>												
Total unemployed, in thousands	2,606	2,895	816	839	1,050	1,287	741	769	2,083	2,269	523	626
Lost last job	841	1,014	446	498	280	365	115	151	683	817	157	197
Left last job	497	563	157	212	220	263	119	87	401	439	95	124
Reentered labor force	903	943	189	108	474	591	239	244	723	759	180	185
Never worked before	366	375	23	20	75	68	267	287	275	254	91	121
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job	32.2	35.0	54.6	59.3	26.7	28.4	15.5	19.6	32.8	36.0	30.1	31.5
Left last job	19.1	19.4	19.3	25.3	21.0	20.4	16.1	11.3	19.3	19.3	18.2	19.8
Reentered labor force	34.7	32.6	23.2	12.9	45.2	45.9	32.3	31.7	34.7	33.4	34.4	29.5
Never worked before	14.0	13.0	2.9	2.4	7.2	5.3	36.1	37.3	13.2	11.2	17.3	19.3
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate	3.3	3.7	1.8	1.8	4.0	5.0	12.0	12.8	3.0	3.3	6.0	7.2
Job-loser rate	1.1	1.3	1.0	1.0	1.1	1.5	1.9	2.5	1.0	1.2	1.9	2.3
Job-leaver rate	.6	.7	.3	.5	.8	1.0	1.9	1.4	.6	.6	1.1	1.4
Reentrant rate	1.1	1.2	.4	.2	1.8	2.3	3.9	4.0	1.0	1.1	2.1	2.1
New entrant rate	.5	.5	.1	--	.3	.3	4.3	4.8	.4	.4	1.0	1.4

**A-13: Unemployed persons by reason for unemployment, duration, sex, and age**

September 1968  
(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons.	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	2,606	100.0	64.1	23.9	11.9	7.4	4.5
Lost last job	841	100.0	54.0	30.3	15.7	8.8	6.9
Left last job	497	100.0	65.3	20.6	14.2	7.7	6.5
Reentered labor force	903	100.0	72.6	19.9	7.5	5.2	2.3
Never worked before	366	100.0	64.9	24.3	10.9	9.0	1.9
Male, 20 years and over	816	100.0	53.5	29.0	17.6	10.2	7.4
Lost last job	446	100.0	46.6	33.0	20.4	10.5	9.9
Left last job	157	100.0	61.1	22.3	16.5	10.8	5.7
Reentered labor force	189	100.0	64.2	24.2	11.6	7.9	3.7
Never worked before	23	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,050	100.0	65.1	23.1	11.7	6.4	5.3
Lost last job	280	100.0	54.1	32.3	13.7	9.0	4.7
Left last job	220	100.0	61.1	21.7	17.1	8.1	9.0
Reentered labor force	474	100.0	74.3	17.9	7.8	4.6	3.2
Never worked before	75	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	741	100.0	74.4	19.7	6.0	5.7	.3
Lost last job	115	100.0	82.6	14.8	2.6	2.6	--
Left last job	119	100.0	78.8	16.1	5.0	2.5	2.5
Reentered labor force	239	100.0	75.4	20.4	4.2	4.2	--
Never worked before	267	100.0	67.4	23.0	9.6	9.6	--

<sup>1</sup>Percent not shown where base is less than 100,000.



A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
Total.....	2,606	2,895	100.0	100.0	761	843	100.0	100.0
Less than 5 weeks.....	1,672	1,810	64.1	62.5	408	469	53.5	55.6
5 to 14 weeks.....	625	715	24.0	24.7	210	216	27.7	25.6
5 to 10 weeks.....	427	490	16.4	16.9	154	147	20.2	17.4
11 to 14 weeks.....	198	225	7.6	7.8	57	69	7.5	8.2
15 weeks and over.....	310	370	11.9	12.8	143	158	18.8	18.8
15 to 26 weeks.....	193	226	7.4	7.8	76	80	10.0	9.5
27 weeks and over.....	118	144	4.5	5.0	67	78	8.8	9.3
Average (mean) duration.....	7.6	7.8	--	--	11.0	11.0	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status<sup>1</sup>

Sex, age, color, and marital status	Thousands of persons					Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
						Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>Total</b> .....	2,606	1,672	625	193	118	64.1	62.5	11.9	12.8
16 to 21 years.....	1,028	751	202	59	15	73.1	69.7	7.2	7.3
16 to 19 years.....	741	552	146	42	1	74.5	68.3	5.8	8.1
20 to 24 years.....	522	348	120	32	22	66.7	68.2	14.3	7.4
25 to 44 years.....	768	477	196	54	43	61.9	62.1	12.6	13.6
45 years and over.....	574	295	163	65	51	51.3	51.0	20.3	22.0
<b>Male</b> .....	1,155	704	294	95	62	61.0	60.0	13.6	15.5
16 to 21 years.....	444	336	82	23	4	75.6	70.8	5.9	7.7
16 to 19 years.....	339	268	58	12	2	79.0	70.2	3.9	8.0
20 to 24 years.....	215	133	56	18	9	61.6	70.5	12.2	9.0
25 to 44 years.....	292	156	87	24	25	53.4	56.2	16.8	16.8
45 years and over.....	308	147	92	41	27	47.8	44.8	22.2	27.0
<b>Female</b> .....	1,452	968	331	98	56	66.7	64.4	10.5	10.8
16 to 21 years.....	584	415	120	37	11	71.2	68.8	8.2	6.9
16 to 19 years.....	402	284	88	30	--	70.6	66.4	7.5	8.3
20 to 24 years.....	307	215	64	14	14	70.2	66.8	9.1	6.5
25 to 44 years.....	477	321	109	29	18	67.3	65.1	9.9	12.0
45 years and over.....	266	148	70	24	24	55.4	57.4	18.1	16.9
<b>White: Total</b> .....	2,083	1,329	489	156	110	63.8	64.2	12.7	12.7
Male.....	930	561	235	78	56	60.3	61.3	14.5	16.3
Female.....	1,153	767	255	77	54	66.6	66.4	11.3	9.9
<b>Nonwhite: Total</b> .....	523	343	135	37	8	65.6	56.4	8.6	13.2
Male.....	225	143	59	17	6	63.6	54.5	10.0	12.3
Female.....	299	200	76	20	2	67.1	57.6	7.5	13.8
<b>Male: Married, wife present</b> .....	470	248	135	48	38	52.8	55.4	18.4	20.5
Widowed, divorced, or separated.....	93	40	35	9	9	(1)	(1)	(1)	(1)
Single (never married).....	591	416	123	38	15	70.3	65.9	8.9	10.2
<b>Female: Married, husband present</b> .....	737	508	162	44	23	69.0	67.3	9.0	10.8
Widowed, divorced, or separated.....	212	124	53	15	19	58.5	59.2	16.3	12.4
Single (never married).....	502	335	115	38	14	66.7	62.3	10.3	9.9

<sup>1</sup>/ Percent not shown where base is less than 100,000.

# HOUSEHOLD DATA

**A-16: Unemployed persons by duration, occupation, and industry of last job**  
September 1968

Occupation and industry	Thousands of persons					Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Sept.	Sept.	Sept.	Sept.
						1968	1967	1968	1967
<b>OCCUPATION</b>									
White-collar workers .....	827	555	172	60	40	67.1	64.9	12.1	10.9
Professional and managerial .....	240	155	52	15	18	64.6	61.5	13.8	14.2
Clerical workers .....	464	315	93	36	20	67.8	65.9	12.1	10.3
Sales workers .....	123	85	27	8	3	69.7	66.4	8.3	8.3
Blue-collar workers .....	935	571	236	77	50	61.1	59.1	13.7	16.9
Craftsmen and foremen .....	155	91	43	13	8	58.9	68.2	13.6	11.2
Operatives .....	569	338	147	53	32	59.3	56.9	14.9	18.6
Nonfarm laborers .....	211	143	47	11	11	67.5	59.5	10.4	15.9
Service workers .....	412	266	105	20	21	64.6	69.1	10.0	8.5
<b>INDUSTRY <sup>1</sup></b>									
Agriculture .....	75	44	26	3	2	(2)	(2)	(2)	(2)
Construction .....	139	104	23	5	7	75.2	60.0	8.5	11.8
Manufacturing .....	639	377	159	75	29	58.9	56.3	16.2	17.6
Durable goods .....	358	202	100	42	15	56.3	49.5	15.8	20.0
Nondurable goods .....	281	175	59	33	15	62.2	63.9	16.8	14.9
Transportation and public utilities .....	119	70	32	7	10	58.8	(2)	14.3	(2)
Wholesale and retail trade .....	445	286	110	26	23	64.2	65.7	11.0	10.1
Finance and service industries .....	651	446	144	29	32	68.5	68.0	9.4	9.8
Public administration .....	112	73	23	11	4	65.7	(2)	1.3	(2)
No previous work experience .....	365	237	88	33	7	65.0	54.7	10.9	12.2

<sup>1</sup>Includes wage and salary workers only.

<sup>2</sup>/ Percent not shown where base is less than 100,000.

**A-17: Employed persons by age and sex**  
(In thousands)

Age and type of industry	Total		Male		Female	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>All industries</b> .....	75,939	74,631	48,172	47,705	27,767	26,925
16 to 19 years .....	5,438	5,254	3,048	2,944	2,390	2,310
16 and 17 years .....	2,185	2,113	1,305	1,291	880	822
18 and 19 years .....	3,253	3,141	1,742	1,653	1,510	1,488
20 to 24 years .....	8,760	8,491	4,817	4,861	3,943	3,630
25 to 54 years .....	47,798	47,090	31,207	30,905	16,591	16,186
25 to 34 years .....	15,352	14,857	10,514	10,148	4,838	4,709
35 to 44 years .....	16,279	16,325	10,569	10,709	5,710	5,616
45 to 54 years .....	16,168	15,909	10,125	10,048	6,043	5,861
55 to 64 years .....	10,821	10,736	6,942	6,879	3,879	3,858
55 to 59 years .....	6,408	6,365	4,059	4,034	2,349	2,331
60 to 64 years .....	4,413	4,371	2,883	2,844	1,530	1,527
65 years and over .....	3,122	3,059	2,158	2,117	964	942
<b>Nonagricultural industries</b> .....	72,103	70,700	45,036	44,451	27,067	26,249
16 to 19 years .....	5,062	4,886	2,720	2,615	2,341	2,271
16 and 17 years .....	1,979	1,883	1,122	1,075	856	807
18 and 19 years .....	3,083	3,003	1,598	1,539	1,485	1,464
20 to 24 years .....	8,496	8,271	4,593	4,657	3,903	3,614
25 to 54 years .....	45,817	45,061	29,666	29,309	16,150	15,751
25 to 34 years .....	14,842	14,326	10,115	9,730	4,727	4,596
35 to 44 years .....	15,630	15,634	10,075	10,185	5,555	5,448
45 to 54 years .....	15,345	15,102	9,477	9,394	5,868	5,707
55 to 64 years .....	10,072	9,924	6,322	6,207	3,750	3,717
55 to 59 years .....	6,023	5,920	3,748	3,677	2,275	2,243
60 to 64 years .....	4,049	4,004	2,575	2,530	1,475	1,474
65 years and over .....	2,656	2,558	1,733	1,663	923	896
<b>Agriculture</b> .....	3,836	3,931	3,136	3,254	700	677
16 to 19 years .....	376	369	327	330	49	39
16 and 17 years .....	207	231	183	216	24	15
18 and 19 years .....	170	138	145	114	25	24
20 to 24 years .....	264	220	223	203	40	16
25 to 54 years .....	1,981	2,030	1,541	1,595	440	434
25 to 34 years .....	510	531	399	418	111	114
35 to 44 years .....	649	691	493	524	156	167
45 to 54 years .....	823	807	649	653	174	154
55 to 64 years .....	749	812	620	672	129	140
55 to 59 years .....	385	445	311	357	74	88
60 to 64 years .....	364	367	308	315	56	53
65 years and over .....	466	500	425	454	41	46

# HOUSEHOLD DATA

## A-18: Employed persons by occupation group, age, and sex

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>Total</b> .....	75,939	74,631	45,125	44,761	25,377	24,615	3,048	2,944	2,390	2,310
<b>White-collar workers</b> .....	35,487	34,142	18,575	17,834	14,979	14,446	592	565	1,341	1,296
Professional and technical .....	10,328	9,912	6,393	6,136	3,776	3,632	80	83	79	60
Medical and other health .....	1,670	1,557	640	607	988	924	4	4	38	22
Teachers, except college.....	2,241	2,273	701	712	1,537	1,560	-	-	5	1
Other professional and technical .....	6,417	6,082	5,052	4,817	1,251	1,148	76	79	36	37
Managers, officials, and proprietors .....	7,946	7,587	6,631	6,337	1,280	1,219	28	21	6	10
Salaried workers .....	5,575	5,388	4,709	4,575	833	782	27	21	6	11
Self-employed workers in retail trade.....	1,140	1,067	851	795	289	272	1	-	-	-
Self-employed workers, except retail trade .....	1,231	1,133	1,072	967	158	166	1	-	-	-
Clerical workers .....	12,608	12,151	3,028	2,977	8,316	7,904	271	264	992	1,006
Stenographers, typists, and secretaries.....	3,287	3,178	35	40	2,956	2,789	-	5	296	344
Other clerical workers .....	9,320	8,973	2,993	2,937	5,360	5,115	271	259	696	662
Sales workers.....	4,605	4,492	2,522	2,384	1,607	1,691	212	197	264	220
Retail trade .....	2,731	2,763	910	889	1,385	1,499	185	172	251	204
Other sales workers .....	1,874	1,729	1,612	1,495	222	193	26	25	14	16
<b>Blue-collar workers</b> .....	27,811	27,784	21,227	21,455	4,552	4,388	1,734	1,663	298	277
Craftsmen and foremen.....	10,184	10,192	9,602	9,625	324	321	248	234	9	12
Carpenters .....	958	935	928	911	1	3	28	21	-	-
Construction craftsmen, except carpenters .....	1,974	2,051	1,921	1,998	11	10	42	43	-	-
Mechanics and repairmen .....	2,623	2,569	2,492	2,446	24	21	108	101	-	1
Metal craftsmen, except mechanics .....	1,252	1,275	1,221	1,236	15	18	16	21	-	1
Other craftsmen and kindred workers .....	1,953	1,879	1,721	1,680	172	150	50	43	10	6
Foremen, not elsewhere classified .....	1,424	1,484	1,318	1,355	100	120	4	5	2	5
Operatives .....	14,011	14,032	8,839	9,063	4,130	3,941	776	770	267	257
Drivers and deliverymen .....	2,533	2,640	2,328	2,433	93	60	109	143	4	5
Other operatives .....	11,476	11,391	6,512	6,631	4,038	3,881	667	627	263	253
Durable goods manufacturing .....	4,697	4,687	3,136	3,198	1,279	1,246	217	180	67	64
Nondurable goods manufacturing .....	3,949	3,892	1,599	1,642	2,083	1,971	130	137	138	142
Other industries .....	2,830	2,812	1,777	1,791	676	664	320	310	58	47
Nonfarm laborers .....	3,616	3,560	2,785	2,767	98	126	711	659	22	8
Construction .....	746	759	637	679	4	1	105	79	-	-
Manufacturing .....	1,093	1,122	924	902	50	77	116	139	2	3
Other industries .....	1,778	1,679	1,225	1,185	44	47	489	441	20	5
<b>Service workers</b> .....	9,141	9,057	2,766	2,752	5,250	5,184	414	417	711	705
Private household workers .....	1,658	1,648	30	15	1,348	1,329	6	10	275	294
Service workers, except private household ..	7,482	7,409	2,736	2,737	3,903	3,855	408	407	436	411
Protective service workers .....	949	935	887	901	40	28	16	5	6	-
Waiters, cooks, and bartenders .....	2,071	2,037	425	416	1,331	1,314	87	109	228	198
Other service workers .....	4,463	4,437	1,424	1,420	2,532	2,512	305	292	201	213
<b>Farm workers</b> .....	3,501	3,647	2,557	2,720	596	597	308	301	41	31
Farmers and farm managers .....	1,909	2,062	1,819	1,960	82	89	6	12	1	2
Farm laborers and foremen .....	1,592	1,585	738	760	514	508	302	289	39	29
Paid workers .....	1,019	1,037	674	702	136	153	182	163	26	19
Unpaid family workers .....	573	548	63	58	377	355	119	126	13	10

# HOUSEHOLD DATA

## A-19: Employed persons by major occupation group, color, and sex

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>TOTAL</b>						
Total employed (thousands) .....	75,939	74,631	48,172	47,705	27,767	26,925
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	46.7	45.7	39.8	38.6	58.8	58.5
Professional and technical .....	13.6	13.3	13.4	13.0	13.9	13.7
Managers, officials, and proprietors .....	10.5	10.2	13.8	13.3	4.6	4.6
Clerical workers .....	16.6	16.3	6.9	6.8	33.5	33.1
Sales workers .....	6.1	6.0	5.7	5.4	6.7	7.1
Blue-collar workers .....	36.6	37.2	47.7	48.5	17.5	17.3
Craftsmen and foremen .....	13.4	13.7	20.4	20.7	1.2	1.2
Operatives .....	18.5	18.8	20.0	20.6	15.8	15.6
Nonfarm laborers .....	4.8	4.8	7.3	7.2	.4	.5
Service workers .....	12.0	12.1	6.6	6.6	21.5	21.9
Private household workers .....	2.2	2.2	.1	.1	5.8	6.0
Other service workers .....	9.9	9.9	6.5	6.6	15.6	15.8
Farm workers .....	4.6	4.9	5.9	6.3	2.3	2.3
Farmers and farm managers .....	2.5	2.8	3.8	4.1	.3	.3
Farm laborers and foremen .....	2.1	2.1	2.2	2.2	2.0	2.0
<b>WHITE</b>						
Total employed (thousands) .....	67,790	66,581	43,492	43,015	24,299	23,566
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	49.5	48.5	42.1	40.8	62.7	62.5
Professional and technical .....	14.3	14.0	14.2	13.8	14.5	14.4
Managers, officials, and proprietors .....	11.4	11.0	14.9	14.4	5.1	5.0
Clerical workers .....	17.2	16.9	6.9	6.8	35.8	35.3
Sales workers .....	6.6	6.5	6.1	5.8	7.3	7.8
Blue-collar workers .....	35.7	36.4	46.0	47.0	17.1	17.2
Craftsmen and foremen .....	14.0	14.3	21.1	21.4	1.3	1.3
Operatives .....	17.7	18.2	18.9	19.7	15.4	15.4
Nonfarm laborers .....	4.0	3.9	6.0	5.8	.4	.4
Service workers .....	10.2	10.1	5.9	5.8	18.0	18.1
Private household workers .....	1.4	1.3	(1)	--	3.7	3.7
Other service workers .....	8.9	8.8	5.8	5.7	14.3	14.4
Farm workers .....	4.6	4.9	5.9	6.4	2.2	2.3
Farmers and farm managers .....	2.7	2.9	4.0	4.4	.3	.4
Farm laborers and foremen .....	1.9	2.0	1.9	2.0	1.9	1.9
<b>NONWHITE</b>						
Total employed (thousands) .....	8,149	8,050	4,680	4,691	3,469	3,359
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers .....	23.6	22.9	17.9	17.7	31.4	30.2
Professional and technical .....	7.5	7.1	6.1	5.6	9.4	9.2
Managers, officials, and proprietors .....	2.7	2.9	3.5	3.9	1.6	1.5
Clerical workers .....	11.4	11.2	6.7	6.8	17.8	17.5
Sales workers .....	2.0	1.7	1.6	1.5	2.5	1.9
Blue-collar workers .....	44.6	43.7	62.7	61.7	20.1	18.6
Craftsmen and foremen .....	8.7	8.3	14.6	13.7	.7	.7
Operatives .....	25.0	23.7	29.5	28.6	18.9	16.9
Nonfarm laborers .....	10.9	11.8	18.6	19.5	.6	1.0
Service workers .....	27.1	28.7	13.3	14.5	45.8	48.5
Private household workers .....	9.1	9.5	.4	.1	20.8	22.6
Other service workers .....	18.0	19.2	12.9	14.4	25.0	25.9
Farm workers .....	4.7	4.7	6.2	6.0	2.7	2.8
Farmers and farm managers .....	1.2	1.3	1.8	2.1	.3	.1
Farm laborers and foremen .....	3.6	3.4	4.4	3.9	2.5	2.6

<sup>1</sup> Less than 0.05.

# HOUSEHOLD DATA

**A-20: Employed persons by class of worker, age, and sex**  
 September 1968  
 (In thousands)

Age and sex	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
<b>Total</b> .....	66,478	1,879	11,521	53,078	5,174	451	1,287	1,967	583
16 to 19 years .....	4,979	346	420	4,213	53	29	235	9	132
16 and 17 years .....	1,936	286	134	1,516	32	10	117	2	87
18 and 19 years .....	3,043	60	286	2,697	21	19	118	6	45
20 to 24 years .....	8,350	106	1,322	6,921	135	12	143	78	43
25 to 34 years .....	14,111	182	2,357	11,572	682	49	222	223	65
35 to 44 years .....	14,268	246	2,585	11,437	1,244	118	200	339	110
45 to 54 years .....	13,841	363	2,713	10,765	1,352	151	219	492	112
55 to 64 years .....	8,847	394	1,802	6,651	1,154	71	174	487	88
55 to 59 years .....	5,320	197	1,078	4,045	657	46	85	245	56
60 to 64 years .....	3,527	197	724	2,606	497	25	90	242	32
65 years and over .....	2,082	242	320	1,519	554	21	93	340	33
<b>Male</b> .....	41,069	211	6,446	34,412	3,925	42	1,079	1,874	182
16 to 19 years .....	2,662	67	190	2,406	40	19	201	7	119
16 and 17 years .....	1,090	57	77	956	26	6	100	2	80
18 and 19 years .....	1,572	10	113	1,449	13	13	101	5	39
20 to 24 years .....	4,524	11	529	3,984	65	5	120	73	30
25 to 34 years .....	9,585	20	1,422	8,144	530	--	180	212	7
35 to 44 years .....	9,096	8	1,536	7,552	975	4	167	320	7
45 to 54 years .....	8,424	22	1,516	6,886	1,050	2	175	472	2
55 to 64 years .....	5,451	42	1,034	4,375	868	3	152	462	5
55 to 59 years .....	3,247	17	615	2,615	499	2	73	234	4
60 to 64 years .....	2,204	25	419	1,760	369	2	79	228	2
65 years and over .....	1,326	41	219	1,066	398	9	84	328	12
<b>Female</b> .....	25,410	1,668	5,075	18,667	1,249	409	207	92	400
16 to 19 years .....	2,317	279	230	1,807	14	11	35	1	13
16 and 17 years .....	846	229	57	560	6	4	17	--	7
18 and 19 years .....	1,471	50	173	1,248	7	6	17	1	6
20 to 24 years .....	3,826	96	794	2,937	70	7	23	5	13
25 to 34 years .....	4,526	162	936	3,428	153	49	42	11	59
35 to 44 years .....	5,172	238	1,049	3,886	268	114	33	19	104
45 to 54 years .....	5,417	340	1,198	3,879	303	149	45	20	109
55 to 64 years .....	3,396	352	768	2,277	286	68	22	25	82
55 to 59 years .....	2,073	180	463	1,430	157	45	11	11	52
60 to 64 years .....	1,323	172	305	846	128	24	11	14	30
65 years and over .....	755	201	101	453	156	-12	9	12	21

# HOUSEHOLD DATA

**A-21: Employed persons with a job but not at work by reason, pay status, and sex**

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	Sept. 1968	Sept. 1967	Total		Wage and salary workers <sup>1</sup>			
			Sept. 1968	Sept. 1967	Paid absence <sup>2</sup>		Unpaid absence <sup>2</sup>	
					Sept. 1968	Sept. 1967	Sept. 1968	Sept. 1967
<b>Total</b> .....	3,350	3,418	3,256	3,318	1,717	1,722	1,227	1,266
Vacation .....	1,778	1,599	1,768	1,558	1,348	1,268	308	193
Illness .....	1,008	1,078	965	1,050	325	376	540	558
Bad weather .....	24	21	15	14	--	--	--	--
Industrial dispute .....	92	280	91	280	--	--	--	--
All other reasons .....	448	441	417	416	44	77	379	515
<b>Male</b> .....	2,057	2,137	1,968	2,041	1,134	1,135	658	706
Vacation .....	1,127	1,019	1,116	982	885	827	159	93
Illness .....	630	657	586	629	223	259	316	304
All other reasons .....	300	461	266	430	26	49	183	309
<b>Female</b> .....	1,292	1,281	1,288	1,277	582	585	570	560
Vacation .....	651	579	652	576	463	441	149	100
Illness .....	378	421	379	421	101	117	225	255
All other reasons .....	263	281	257	280	18	28	196	205

<sup>1</sup>Excludes private household.

<sup>2</sup>Pay status not available separately for Bad weather and Industrial dispute; these categories are included in All other reasons.

**A-22: Persons at work by type of industry and hours of work**

September 1968

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
<b>Total at work</b> .....	72,590	68,847	3,743	100.0	100.0	100.0
1-34 hours .....	13,997	12,992	1,005	19.3	18.9	26.9
1-4 hours .....	605	561	44	.8	.8	1.2
5-14 hours .....	3,051	2,809	242	4.2	4.1	6.5
15-29 hours .....	6,583	6,055	528	9.1	8.8	14.1
30-34 hours .....	3,758	3,567	191	5.2	5.2	5.1
35 hours and over .....	58,592	55,854	2,738	80.7	81.1	73.1
35-39 hours .....	4,661	4,473	188	6.4	6.5	5.0
40 hours .....	29,709	29,300	408	40.9	42.6	10.9
41 hours and over .....	24,222	22,081	2,142	33.4	32.1	57.2
41 to 48 hours .....	9,969	9,664	306	13.7	14.0	8.2
49 to 59 hours .....	7,597	7,118	479	10.5	10.3	12.8
60 hours and over .....	6,656	5,299	1,357	9.2	7.7	36.3
Average hours, total at work .....	40.8	40.4	48.1	--	--	--
Average hours, workers on full-time schedules .....	44.6	44.0	56.8	--	--	--

# HOUSEHOLD DATA

**A-23: Persons at work 1-34 hours by usual status and reason working part-time**

September 1968  
(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total.....	13,997	4,306	9,691	12,992	4,047	8,945
Economic reasons.....	1,845	1,082	763	1,661	972	689
Slack work.....	849	659	190	713	560	153
Material shortages or repairs to plant and equipment.....	59	59	--	59	59	--
New job started during week.....	258	258	--	252	252	--
Job terminated during week.....	106	106	--	102	102	--
Could find only part-time work.....	572	--	572	535	--	535
Other reasons.....	12,152	3,224	8,928	11,331	3,075	8,256
Does not want, or unavailable for, full-time work.....	6,926	--	6,926	6,440	--	6,440
Vacation.....	443	443	--	440	440	--
Illness.....	1,371	1,100	271	1,280	1,075	205
Bad weather.....	282	282	--	218	218	--
Industrial dispute.....	45	45	--	45	45	--
Legal or religious holiday.....	351	351	--	351	351	--
Full time for this job.....	1,328	--	1,328	1,274	--	1,274
All other reasons.....	1,407	1,004	403	1,282	946	336
Average hours:						
Economic reasons.....	21.5	24.0	17.9	21.5	24.0	18.0
Other reasons.....	20.3	26.4	18.1	20.4	26.5	18.1
Worked 30 to 34 hours:						
Economic reasons.....	547	427	120	496	386	110
Other reasons.....	3,211	1,740	1,471	3,071	1,679	1,392

**A-24: Nonagricultural workers by full- or part-time status**

September 1968

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total <sup>1/</sup>	100.0	2.4	12.0	85.5	53.5	14.0	18.0	40.4	44.0
Wage and salary workers	100.0	2.4	11.7	85.9	56.0	14.2	15.7	39.8	43.3
Construction	100.0	4.4	4.0	91.6	63.6	12.7	15.3	40.5	42.3
Manufacturing	100.0	2.4	2.7	95.0	61.7	18.0	15.3	42.0	43.1
Durable goods	100.0	1.7	1.7	96.5	62.2	18.2	16.1	42.6	43.3
Nondurable goods	100.0	3.3	4.0	92.7	60.9	17.6	14.2	41.1	42.7
Transportation and public utilities	100.0	1.8	5.0	93.3	59.6	13.2	20.5	42.6	44.2
Wholesale and retail trade	100.0	2.5	21.8	75.7	41.2	16.0	18.5	38.6	44.8
Finance, insurance, and real estate	100.0	.7	8.4	90.9	65.2	11.1	14.6	40.2	42.1
Service industries	100.0	3.0	22.0	75.0	50.2	10.8	14.0	36.6	43.1
Private households	100.0	10.2	54.0	35.8	21.9	6.1	7.8	24.5	43.9
All other service	100.0	2.0	17.8	80.1	53.9	11.4	14.8	38.2	43.1
Public administration	100.0	.7	4.9	94.3	73.8	8.9	11.6	40.7	42.0
Self-employed workers	100.0	2.5	13.4	84.1	25.0	12.0	47.1	47.1	53.0
Unpaid family workers	100.0	.7	38.8	60.6	23.3	10.0	27.3	39.8	51.6

<sup>1/</sup>Mining not shown separately but included in totals.

# HOUSEHOLD DATA

**A-25: Persons at work in nonagricultural industries by full- or part-time status, age, sex, color, and marital status**

September 1968

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
<b>TOTAL</b>								
Total, 16 years and over.....	68,847	1,661	8,256	58,930	36,849	22,081	40.4	44.0
16 to 21 years.....	8,285	351	2,670	5,264	3,881	1,383	32.3	41.5
16 to 19 years.....	4,946	213	2,246	2,487	1,835	652	28.6	41.3
16 and 17 years.....	1,947	75	1,513	359	286	73	19.1	40.4
18 and 19 years.....	2,999	137	733	2,129	1,549	580	34.8	41.4
20 years and over.....	63,901	1,448	6,010	56,443	35,014	21,429	41.3	44.1
20 to 24 years.....	8,167	265	808	7,094	4,907	2,187	39.5	42.6
25 years and over.....	55,734	1,183	5,201	49,350	30,110	19,240	41.5	44.4
25 to 44 years.....	29,279	540	2,247	26,492	15,692	10,800	42.3	44.7
45 to 64 years.....	23,949	563	2,024	21,362	13,501	7,861	41.4	44.0
65 years and over.....	2,505	80	930	1,495	914	581	33.4	44.5
<b>Males, 16 years and over.....</b>	<b>43,068</b>	<b>783</b>	<b>2,640</b>	<b>39,645</b>	<b>21,827</b>	<b>17,818</b>	<b>43.3</b>	<b>45.4</b>
16 to 21 years.....	4,260	175	1,458	2,627	1,660	967	33.0	43.0
16 to 19 years.....	2,664	100	1,265	1,299	847	452	29.2	42.4
16 and 17 years.....	1,107	36	861	210	160	50	20.2	40.8
18 and 19 years.....	1,557	63	403	1,091	688	403	35.7	42.8
20 years and over.....	40,403	684	1,375	38,344	20,979	17,365	44.2	45.5
20 to 24 years.....	4,445	131	340	3,974	2,296	1,678	41.7	44.4
25 years and over.....	35,958	553	1,036	34,369	18,682	15,687	44.5	45.7
25 to 44 years.....	19,445	244	200	19,001	9,867	9,134	45.6	46.2
45 to 64 years.....	14,879	261	319	14,299	8,186	6,113	44.2	45.1
65 years and over.....	1,635	49	517	1,069	629	440	35.2	44.7
<b>Females, 16 years and over.....</b>	<b>25,779</b>	<b>877</b>	<b>5,616</b>	<b>19,286</b>	<b>15,022</b>	<b>4,264</b>	<b>35.4</b>	<b>41.0</b>
16 to 21 years.....	4,025	175	1,212	2,638	2,222	416	31.6	40.0
16 to 19 years.....	2,282	113	982	1,187	987	200	27.9	39.9
16 and 17 years.....	840	39	652	149	126	23	17.8	39.8
18 and 19 years.....	1,442	73	330	1,039	863	176	33.8	40.0
20 years and over.....	23,497	764	4,634	18,099	14,036	4,063	36.1	41.1
20 to 24 years.....	3,722	135	468	3,119	2,609	510	36.8	40.2
25 years and over.....	19,776	630	4,167	14,979	11,425	3,554	36.0	41.3
25 to 44 years.....	9,835	296	2,047	7,492	5,827	1,665	35.7	40.9
45 to 64 years.....	9,070	303	1,705	7,062	5,314	1,748	36.9	41.5
65 years and over.....	870	31	414	425	283	142	29.9	44.0
<b>COLOR</b>								
Total White.....	61,514	1,279	7,461	52,774	32,341	20,433	40.6	44.2
Male.....	38,911	614	2,416	35,881	19,238	16,643	43.6	45.7
Female.....	22,603	665	5,045	16,893	13,103	3,790	35.4	41.1
Total Nonwhite.....	7,333	381	795	6,157	4,509	1,648	38.4	42.1
Male.....	4,157	169	224	3,764	2,590	1,174	40.7	42.9
Female.....	3,176	212	571	2,393	1,919	474	35.3	40.7
<b>MARITAL STATUS</b>								
<b>Male:</b>								
Married, wife present.....	34,296	474	876	32,946	17,414	15,532	44.9	45.9
Widowed, divorced, or separated.....	2,082	82	139	1,861	1,152	709	41.2	43.6
Single (never married).....	6,690	226	1,625	4,839	3,263	1,576	36.0	43.2
<b>Female:</b>								
Married, husband present.....	15,068	481	3,513	11,074	8,605	2,469	35.3	41.0
Widowed, divorced, or separated.....	5,057	210	829	4,018	2,988	1,030	37.1	41.6
Single (never married).....	5,654	186	1,274	4,194	3,431	763	34.2	40.6



# HOUSEHOLD DATA

**A-25: Persons at work in nonagricultural industries by full- or part-time status, age, sex, color, and marital status--Continued**

September 1968

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
<b>TOTAL</b>						
Total, 16 years and over.....	100.0	2.4	12.0	85.6	53.5	32.1
16 to 21 years.....	100.0	4.2	32.2	63.5	46.8	16.7
16 to 19 years.....	100.0	4.3	45.4	50.3	37.1	13.2
16 and 17 years.....	100.0	3.9	77.7	18.4	14.7	3.7
18 and 19 years.....	100.0	4.6	24.4	71.0	51.7	19.3
20 years and over.....	100.0	2.3	9.4	88.3	54.8	33.5
20 to 24 years.....	100.0	3.2	9.9	86.9	60.1	26.8
25 years and over.....	100.0	2.1	9.3	88.5	54.0	34.5
25 to 44 years.....	100.0	1.8	7.7	90.5	53.6	36.9
45 to 64 years.....	100.0	2.4	8.5	89.2	56.4	32.8
65 years and over.....	100.0	3.2	37.1	59.7	36.5	23.2
<b>Males, 16 years and over.....</b>	<b>100.0</b>	<b>1.8</b>	<b>6.1</b>	<b>92.1</b>	<b>50.7</b>	<b>41.4</b>
16 to 21 years.....	100.0	4.1	34.2	61.7	39.0	22.7
16 and 19 years.....	100.0	3.8	47.5	48.8	31.8	17.0
16 and 17 years.....	100.0	3.3	77.8	19.0	14.5	4.5
18 and 19 years.....	100.0	4.0	25.9	70.1	44.2	25.9
20 years and over.....	100.0	1.7	3.4	94.9	51.9	43.0
20 to 24 years.....	100.0	2.9	7.6	89.5	51.7	37.8
25 years and over.....	100.0	1.5	2.9	95.6	52.0	43.6
25 to 44 years.....	100.0	1.3	1.0	97.7	50.7	47.0
45 to 64 years.....	100.0	1.8	2.1	96.1	55.0	41.1
65 years and over.....	100.0	3.0	31.6	65.4	38.5	26.9
<b>Females, 16 years and over.....</b>	<b>100.0</b>	<b>3.4</b>	<b>21.8</b>	<b>74.8</b>	<b>58.3</b>	<b>16.5</b>
16 to 21 years.....	100.0	4.3	30.1	65.5	55.2	10.3
16 to 19 years.....	100.0	5.0	43.0	52.1	43.3	8.8
16 and 17 years.....	100.0	4.6	77.6	17.7	15.0	2.7
18 and 19 years.....	100.0	5.1	22.9	72.0	59.8	12.2
20 years and over.....	100.0	3.3	19.7	77.0	59.7	17.3
20 to 24 years.....	100.0	3.6	12.6	83.8	70.1	13.7
25 years and over.....	100.0	3.2	21.1	75.8	57.8	18.0
25 to 44 years.....	100.0	3.0	20.8	76.1	59.2	16.9
45 to 64 years.....	100.0	3.3	18.8	77.9	58.6	19.3
65 years and over.....	100.0	3.6	47.6	48.8	32.5	16.3
<b>COLOR</b>						
Total White.....	100.0	2.1	12.1	85.8	52.6	33.2
Male.....	100.0	1.6	6.2	92.2	49.4	42.8
Female.....	100.0	2.9	22.3	74.8	58.0	16.8
Total Nonwhite.....	100.0	5.2	10.8	84.0	61.5	22.5
Male.....	100.0	4.1	5.4	90.5	62.3	28.2
Female.....	100.0	6.7	18.0	75.3	60.4	14.9
<b>MARITAL STATUS</b>						
<b>Male:</b>						
Married, wife present.....	100.0	1.4	2.6	96.1	50.8	45.3
Widowed, divorced, or separated.....	100.0	3.9	6.7	89.4	55.3	34.1
Single (never married).....	100.0	3.4	24.3	72.4	48.8	23.6
<b>Female:</b>						
Married, husband present.....	100.0	3.2	23.3	73.5	57.1	16.4
Widowed, divorced, or separated.....	100.0	4.2	16.4	79.5	59.1	20.4
Single (never married).....	100.0	3.3	22.5	74.2	60.7	13.5

# HOUSEHOLD DATA

**A-26: Persons at work in nonfarm occupations by full- or part-time status and sex**  
September 1968

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
(Thousands of persons)									
<b>TOTAL</b>									
White-collar workers.....	33,902	339	4,032	29,531	18,336	4,160	7,035	41.2	44.5
Professional and technical.....	9,834	71	947	8,816	5,516	1,201	2,099	41.3	44.0
Managers, officials, and proprietors.....	7,625	51	307	7,267	2,720	1,250	3,297	48.8	50.2
Clerical workers.....	12,033	141	1,744	10,148	8,320	1,163	665	37.2	40.5
Sales workers.....	4,411	74	1,034	3,303	1,783	546	974	38.6	45.3
Blue-collar workers.....	26,543	924	1,600	24,019	14,942	4,632	4,445	41.2	43.5
Craftsmen and foremen.....	9,684	203	288	9,193	5,489	1,853	1,851	42.7	43.9
Operatives.....	13,398	503	747	12,148	7,613	2,355	2,180	41.4	43.5
Nonfarm laborers.....	3,461	218	566	2,677	1,838	424	415	36.7	42.2
Service workers.....	8,720	406	2,661	5,653	3,691	923	1,039	34.6	43.9
Private household.....	1,604	159	859	586	355	106	125	24.9	43.9
Other service workers.....	7,116	247	1,802	5,067	3,336	817	914	36.7	43.9
<b>MALE</b>									
White-collar workers.....	18,388	105	978	17,305	8,593	2,851	5,861	45.3	47.0
Professional and technical.....	6,196	30	296	5,870	3,393	833	1,644	43.8	45.2
Managers, officials, and proprietors.....	6,393	41	143	6,209	2,166	1,104	2,939	49.8	50.7
Clerical workers.....	3,148	21	249	2,878	1,970	491	417	40.7	42.7
Sales workers.....	2,651	13	290	2,348	1,062	423	863	43.6	47.0
Blue-collar workers.....	21,927	617	1,189	20,121	11,895	3,981	4,245	42.1	44.1
Craftsmen and foremen.....	9,379	197	251	8,931	5,304	1,796	1,831	42.9	44.0
Operatives.....	9,201	207	399	8,595	4,808	1,781	2,006	43.2	44.9
Nonfarm laborers.....	3,347	213	539	2,595	1,783	404	408	36.7	42.2
Service workers.....	3,011	66	489	2,456	1,434	416	606	40.5	45.6
Private household.....	35	5	15	15	7	5	3	27.4	48.9
Other service workers.....	2,976	61	474	2,441	1,428	411	602	40.7	45.6
<b>FEMALE</b>									
White-collar workers.....	15,514	233	3,053	12,228	9,745	1,309	1,174	36.3	40.9
Professional and technical.....	3,637	42	651	2,944	2,122	368	454	37.1	41.6
Managers, officials, and proprietors.....	1,232	11	164	1,057	552	146	359	43.7	47.6
Clerical workers.....	8,885	120	1,495	7,270	6,350	672	248	36.0	39.6
Sales workers.....	1,760	61	743	956	722	123	111	31.2	41.2
Blue-collar workers.....	4,616	309	412	3,895	3,044	651	200	37.3	40.2
Craftsmen and foremen.....	305	7	37	261	184	57	20	38.2	41.0
Operatives.....	4,197	297	348	3,552	2,804	574	174	37.3	40.0
Nonfarm laborers.....	114	5	27	82	56	19	7	36.0	42.8
Service workers.....	5,709	304	2,172	3,197	2,256	507	434	31.4	42.6
Private household.....	1,569	154	844	571	349	101	121	24.8	43.8
Other service workers.....	4,140	185	1,328	2,627	1,908	407	312	33.9	42.3

# HOUSEHOLD DATA

**A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued**  
September 1968

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
				(Percent distribution)			
<b>TOTAL</b>							
White-collar workers.....	100.0	1.0	11.9	87.2	54.1	12.3	20.8
Professional and technical.....	100.0	.7	9.6	89.6	56.1	12.2	21.3
Managers, officials, and proprietors.....	100.0	.7	4.0	95.3	35.7	16.4	43.2
Clerical workers.....	100.0	1.2	14.5	84.3	69.1	9.7	5.5
Sales workers.....	100.0	1.7	23.4	74.9	40.4	12.4	22.1
Blue-collar workers.....	100.0	3.5	6.0	90.5	56.3	17.5	16.7
Craftsmen and foremen.....	100.0	2.1	3.0	94.9	56.7	19.1	19.1
Operatives.....	100.0	3.8	5.6	90.7	56.8	17.6	16.3
Nonfarm laborers.....	100.0	6.3	16.4	77.4	53.1	12.3	12.0
Service workers.....	100.0	4.7	30.5	64.8	42.3	10.6	11.9
Private household.....	100.0	9.9	53.6	36.5	22.1	6.6	7.8
Other service workers.....	100.0	3.5	25.3	71.2	46.9	11.5	12.8
<b>MALE</b>							
White-collar workers.....	100.0	.6	5.3	94.1	46.7	15.5	31.9
Professional and technical.....	100.0	.5	4.8	94.7	54.8	13.4	26.5
Managers, officials, and proprietors.....	100.0	.6	2.2	97.2	33.9	17.3	46.0
Clerical workers.....	100.0	.7	7.9	91.4	62.6	15.6	13.2
Sales workers.....	100.0	.5	10.9	88.7	40.1	16.0	32.6
Blue-collar workers.....	100.0	2.8	5.4	91.8	54.2	18.2	19.4
Craftsmen and foremen.....	100.0	2.1	2.7	95.2	56.6	19.1	19.5
Operatives.....	100.0	2.2	4.3	93.5	52.3	19.4	21.8
Nonfarm laborers.....	100.0	6.4	16.1	77.6	53.3	12.1	12.2
Service workers.....	100.0	2.2	16.2	81.5	47.6	13.8	20.1
Private household.....	100.0	14.3	42.9	42.9	20.0	14.3	8.6
Other service workers.....	100.0	2.0	15.9	82.0	48.0	13.8	20.2
<b>FEMALE</b>							
White-collar workers.....	100.0	1.5	19.7	78.8	62.8	8.4	7.6
Professional and technical.....	100.0	1.2	17.9	80.9	58.3	10.1	12.5
Managers, officials, and proprietors.....	100.0	.9	13.3	85.8	44.8	11.9	29.1
Clerical workers.....	100.0	1.4	16.8	81.9	71.5	7.6	2.8
Sales workers.....	100.0	3.5	42.2	54.3	41.0	7.0	6.3
Blue-collar workers.....	100.0	6.7	8.9	84.3	65.9	14.1	4.3
Craftsmen and foremen.....	100.0	2.3	12.1	85.6	60.3	18.7	6.6
Operatives.....	100.0	7.1	8.3	84.6	66.8	13.7	4.1
Nonfarm laborers.....	100.0	4.4	23.7	71.9	49.1	16.7	6.1
Service workers.....	100.0	6.0	38.0	56.0	39.5	8.9	7.6
Private household.....	100.0	9.8	53.8	36.3	22.2	6.4	7.7
Other service workers.....	100.0	4.5	32.1	63.4	46.1	9.8	7.5

# HOUSEHOLD DATA

## A-27: Employment status of 14- 15 year-olds by sex and color

September 1968

(In thousands)

Employment status	Total			White			Nonwhite		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	7,704	3,901	3,803	6,639	3,372	3,267	1,064	528	536
Civilian labor force.....	1,253	732	521	1,171	673	498	82	60	23
Employed.....	1,180	680	500	1,121	639	482	59	41	18
Agriculture.....	167	148	19	149	132	17	18	16	2
Nonagricultural industries.....	1,014	532	481	972	507	465	42	26	16
Unemployed.....	73	52	21	50	33	16	23	18	5
Not in labor force.....	6,450	3,168	3,282	5,468	2,700	2,769	982	469	513
Keeping house.....	77	8	69	55	6	49	22	2	20
Going to school.....	6,082	2,990	3,092	5,172	2,553	2,619	910	437	473
Unable to work.....	17	9	8	14	7	7	3	2	1
All other reasons.....	274	162	112	227	134	93	47	28	19

## A-28: Employed 14- 15 year-olds by sex, major occupation group, and class of worker

September 1968

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
<b>CLASS OF WORKER</b>						
Total.....	1,180	680	500	100.0	100.0	100.0
Nonagricultural industries.....	1,014	532	481	85.9	78.2	96.0
Wage and salary workers.....	942	471	471	79.8	69.3	94.0
Private household workers.....	501	147	354	42.5	21.6	70.5
Government workers.....	25	11	15	2.1	1.6	3.0
Other wage and salary workers.....	416	313	103	35.3	46.0	20.5
Self-employed workers.....	61	56	4	5.2	8.2	.8
Unpaid family workers.....	11	5	6	.9	.7	1.2
Agriculture.....	167	148	19	14.1	21.8	4.0
Wage and salary workers.....	80	82	--	6.8	12.1	--
Self-employed workers.....	6	6	--	.5	.9	--
Unpaid family workers.....	80	60	20	6.8	8.8	4.0
<b>OCCUPATION</b>						
Total.....	1,180	680	500	100.0	100.0	100.0
White-collar workers.....	249	198	51	21.1	29.1	10.2
Professional and technical.....	11	5	6	.9	.7	1.2
Managers, officials, and proprietors.....	5	4	1	.4	.6	.2
Clerical workers.....	38	12	26	3.2	1.8	5.2
Sales workers.....	195	177	18	16.5	26.0	3.6
Blue-collar workers.....	271	249	23	23.1	36.5	4.4
Craftsmen and foremen.....	5	3	2	.4	.4	.4
Operatives.....	54	45	8	4.6	6.6	1.6
Nonfarm laborers.....	213	200	12	18.1	29.4	2.4
Service workers.....	497	88	409	42.0	12.9	81.8
Private household workers.....	350	5	345	29.7	.7	69.1
Other service workers.....	146	83	63	12.4	12.2	12.6
Farm workers.....	163	146	18	13.8	21.5	3.6
Farmers and farm managers.....	8	8	--	.7	1.2	--
Farm laborers and foremen.....	155	138	18	13.1	20.3	3.6

## HOUSEHOLD DATA SEASONALLY ADJUSTED

**A-29: Employment status of the noninstitutional population by age and sex, seasonally adjusted**

(In thousands)

Employment status, age, and sex	1968									1967			
	Sept.	Aug.	July	June	May	April	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Total</b>													
Total labor force .....	82,422	82,279	82,572	82,585	82,149	82,849	81,150	82,138	81,386	81,942	81,459	81,535	81,263
Civilian labor force .....	78,831	78,690	78,985	79,018	78,613	78,343	78,658	78,672	77,923	78,473	77,989	78,072	77,807
Employed .....	75,957	75,929	76,038	76,048	75,829	75,636	75,802	75,731	75,167	75,577	75,005	74,735	74,638
Agriculture .....	3,602	3,733	3,836	3,851	3,893	3,980	4,014	4,127	4,003	4,216	3,839	3,718	3,697
Nonagricultural industries .....	72,355	72,196	72,202	72,197	71,936	71,656	71,788	71,604	71,164	71,361	71,166	71,017	70,941
On part time for economic reasons .....	1,733	1,853	1,809	1,911	1,569	1,591	1,743	1,775	1,537	1,807	1,950	1,866	1,967
Usually work full time .....	991	1,006	973	1,051	806	827	851	915	729	944	1,108	976	1,094
Usually work part time .....	742	847	836	860	763	764	892	860	808	863	842	890	873
Unemployed .....	2,874	2,761	2,947	2,970	2,784	2,707	2,856	2,941	2,756	2,896	2,984	3,337	3,169
<b>Men, 20 years and over</b>													
Total labor force .....	48,963	49,013	48,998	48,926	48,689	48,618	48,632	48,678	48,538	48,555	48,350	48,365	48,269
Civilian labor force .....	45,845	45,896	45,931	45,923	45,713	45,716	45,792	45,909	45,770	45,783	45,578	45,598	45,506
Employed .....	44,835	44,907	44,921	44,858	44,742	44,758	44,783	44,842	44,740	44,775	44,506	44,460	44,468
Agriculture .....	2,688	2,770	2,856	2,845	2,855	2,877	2,892	2,955	2,931	2,951	2,834	2,793	2,798
Nonagricultural industries .....	42,147	42,137	42,065	42,013	41,887	41,881	41,891	41,887	41,809	41,824	41,672	41,667	41,670
Unemployed .....	1,010	989	1,010	1,065	971	958	1,009	1,067	1,030	1,008	1,072	1,138	1,038
<b>Women, 20 years and over</b>													
Civilian labor force .....	26,446	26,162	26,393	26,297	26,199	25,918	26,094	26,070	25,810	26,348	26,068	26,063	25,918
Employed .....	25,403	25,185	25,364	25,315	25,232	24,969	25,128	25,036	24,802	25,273	25,036	24,811	24,640
Agriculture .....	528	576	566	603	620	637	681	690	683	825	625	575	517
Nonagricultural industries .....	24,875	24,609	24,798	24,712	24,612	24,332	24,447	24,346	24,119	24,448	24,411	24,236	24,123
Unemployed .....	1,043	977	1,029	982	967	949	966	1,034	1,008	1,075	1,032	1,252	1,278
<b>Both sexes, 16-19 years</b>													
Civilian labor force .....	6,540	6,632	6,661	6,798	6,701	6,709	6,772	6,693	6,343	6,342	6,343	6,411	6,383
Employed .....	5,719	5,837	5,753	5,875	5,855	5,909	5,891	5,853	5,625	5,529	5,463	5,464	5,530
Agriculture .....	386	387	414	403	418	466	441	482	389	440	380	350	382
Nonagricultural industries .....	5,333	5,450	5,339	5,472	5,437	5,443	5,450	5,371	5,236	5,089	5,083	5,114	5,148
Unemployed .....	821	795	908	923	846	800	881	840	718	813	880	947	853

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables A-29 through A-35 will not necessarily add to totals.

# HOUSEHOLD DATA SEASONALLY ADJUSTED

A-30: Employment status by color, sex, and age, seasonally adjusted

(In thousands)

Characteristics	1968										1967		
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>WHITE</b>													
Total:													
Civilian labor force .....	70,123	69,871	69,995	70,105	69,609	69,560	69,892	69,959	69,355	69,686	69,387	69,293	69,092
Employed .....	67,848	67,630	67,655	67,761	67,415	67,437	67,654	67,655	67,154	67,391	67,033	66,717	66,626
Unemployed .....	2,275	2,241	2,340	2,344	2,194	2,123	2,238	2,304	2,201	2,295	2,354	2,576	2,466
Unemployment rate .....	3.2	3.2	3.3	3.3	3.2	3.1	3.2	3.3	3.2	3.3	3.4	3.7	3.6
Males, 20 years and over:													
Civilian labor force .....	41,322	41,385	41,369	41,350	41,042	41,137	41,268	41,419	41,260	41,295	41,126	41,088	41,011
Employed .....	40,497	40,566	40,517	40,454	40,238	40,364	40,441	40,548	40,425	40,448	40,237	40,176	40,144
Unemployed .....	825	819	852	896	804	773	827	871	835	847	889	912	867
Unemployment rate .....	2.0	2.0	2.1	2.2	2.0	1.9	2.0	2.1	2.0	2.1	2.2	2.2	2.1
Females, 20 years and over:													
Civilian labor force .....	22,976	22,691	22,831	22,785	22,672	22,531	22,652	22,616	22,467	22,812	22,694	22,588	22,484
Employed .....	22,151	21,887	22,046	22,026	21,943	21,797	21,908	21,821	21,669	21,997	21,898	21,618	21,511
Unemployed .....	825	804	785	759	729	734	744	795	798	815	796	970	973
Unemployment rate .....	3.6	3.5	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	4.3	4.3
Both sexes, 16 to 19 years:													
Civilian labor force .....	5,825	5,795	5,795	5,970	5,895	5,892	5,971	5,924	5,628	5,579	5,567	5,617	5,597
Employed .....	5,200	5,177	5,092	5,281	5,234	5,276	5,304	5,286	5,060	4,946	4,898	4,923	4,971
Unemployed .....	625	618	703	689	661	616	667	638	568	633	669	694	626
Unemployment rate .....	10.7	10.7	12.1	11.5	11.2	10.5	11.2	10.8	10.1	11.3	12.0	12.4	11.2
<b>NONWHITE</b>													
Total:													
Civilian labor force .....	8,509	8,728	8,859	8,802	8,837	8,815	8,919	8,819	8,639	8,892	8,677	8,614	8,522
Employed .....	7,937	8,190	8,245	8,164	8,272	8,227	8,301	8,187	8,085	8,281	8,046	7,856	7,844
Unemployed .....	572	538	614	638	565	588	618	632	554	611	631	758	678
Unemployment rate .....	6.7	6.2	6.9	7.2	6.4	6.7	6.9	7.2	6.4	6.9	7.3	8.8	8.0
Males, 20 years and over:													
Civilian labor force .....	4,485	4,523	4,532	4,554	4,567	4,569	4,591	4,565	4,504	4,547	4,481	4,453	4,463
Employed .....	4,302	4,355	4,373	4,384	4,399	4,386	4,400	4,369	4,312	4,391	4,295	4,223	4,294
Unemployed .....	183	168	159	170	168	183	191	196	192	156	186	230	169
Unemployment rate .....	4.1	3.7	3.5	3.7	3.7	4.0	4.2	4.3	4.3	3.4	4.2	5.2	3.8
Females, 20 years and over:													
Civilian labor force .....	3,346	3,397	3,479	3,460	3,484	3,427	3,478	3,486	3,386	3,527	3,415	3,397	3,318
Employed .....	3,141	3,200	3,230	3,229	3,281	3,212	3,261	3,251	3,167	3,273	3,172	3,121	3,023
Unemployed .....	205	197	249	231	203	215	217	235	219	254	243	276	295
Unemployment rate .....	6.1	5.8	7.2	6.7	5.8	6.3	6.2	6.7	6.5	7.2	7.1	8.1	8.9
Both sexes, 16 to 19 years:													
Civilian labor force .....	678	808	848	788	786	819	850	768	749	818	781	764	741
Employed .....	494	635	642	551	592	629	640	567	606	617	579	512	527
Unemployed .....	184	173	206	237	194	190	210	201	143	201	202	252	214
Unemployment rate .....	27.1	21.4	24.3	30.1	24.7	23.2	24.7	26.2	19.1	24.6	25.9	33.0	28.9

# HOUSEHOLD DATA SEASONALLY ADJUSTED

**A-31: Major unemployment indicators, seasonally adjusted**

(Unemployment rates)

Selected categories	1968									1967			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
Total (all civilian workers) . . . . .	3.6	3.5	3.7	3.8	3.5	3.5	3.6	3.7	3.5	3.7	3.8	4.3	4.1
Men, 20 years and over . . . . .	2.2	2.2	2.2	2.3	2.1	2.1	2.2	2.3	2.3	2.2	2.4	2.5	2.3
Women, 20 years and over . . . . .	3.9	3.7	3.9	3.7	3.7	3.7	3.7	4.0	3.9	4.1	4.0	4.8	4.9
Both sexes, 16-19 years . . . . .	12.6	12.0	13.6	13.6	12.6	11.9	13.0	12.6	11.3	12.8	13.9	14.8	13.4
White workers . . . . .	3.2	3.2	3.3	3.3	3.2	3.1	3.2	3.3	3.2	3.3	3.4	3.7	3.6
Nonwhite workers . . . . .	6.7	6.2	6.9	7.2	6.4	6.7	6.9	7.2	6.4	6.9	7.3	8.8	8.0
Married men . . . . .	1.6	1.6	1.6	1.7	1.6	1.5	1.7	1.7	1.6	1.7	1.7	1.9	1.8
Full-time workers . . . . .	3.2	3.3	3.3	3.3	3.2	3.1	3.2	3.4	3.3	3.3	3.5	3.8	3.6
Unemployed 15 weeks and over . . . . .	.5	.5	.6	.5	.5	.5	.6	.6	.6	.6	.6	.6	.6
State insured <sup>1</sup> . . . . .	2.2	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.4	2.2	2.3	2.4	2.4
Labor force time lost <sup>2</sup> . . . . .	4.0	4.0	4.3	4.3	3.6	3.7	4.0	4.2	4.0	4.1	4.2	4.7	4.6
<b>OCCUPATION</b>													
White-collar workers . . . . .	2.1	2.0	2.1	2.1	1.9	1.8	1.9	2.2	2.0	2.1	2.2	2.4	2.4
Professional and technical . . . . .	1.4	1.2	1.5	1.4	1.2	.9	1.0	1.2	1.0	1.1	1.4	1.3	1.4
Managers, officials, and proprietors . . . . .	.9	1.0	1.2	.8	1.1	.8	.8	1.0	.9	1.0	1.0	1.1	1.0
Clerical workers . . . . .	3.2	3.0	3.0	2.9	3.0	2.8	2.9	3.3	3.0	3.2	3.2	3.8	3.6
Sales workers . . . . .	2.6	2.6	2.5	3.0	1.9	3.0	3.2	2.9	2.9	2.8	3.3	3.4	3.9
Blue-collar workers . . . . .	4.1	4.2	4.3	4.2	3.7	3.9	4.4	4.3	4.3	4.3	4.4	4.9	4.6
Craftsmen and foremen . . . . .	2.2	2.5	2.5	2.6	2.3	2.2	2.6	2.5	2.7	2.1	2.6	2.7	2.2
Operatives . . . . .	4.5	4.5	4.5	4.4	4.0	4.4	4.7	4.9	4.6	5.0	4.9	5.3	5.3
Nonfarm laborers . . . . .	7.1	7.5	8.5	7.5	6.5	6.5	7.8	7.2	7.8	7.4	7.1	9.1	8.0
Service workers . . . . .	4.4	4.0	5.1	5.3	4.3	4.5	4.0	4.4	4.1	4.8	4.7	5.5	4.9
Farm workers . . . . .	2.6	2.7	2.6	2.8	2.0	2.4	2.0	1.4	1.8	1.8	2.6	2.8	2.9
<b>INDUSTRY</b>													
Private wage and salary workers <sup>3</sup> . . . . .	3.6	3.6	3.8	3.8	3.4	3.4	3.6	3.8	3.6	3.7	3.9	4.4	4.2
Construction . . . . .	5.5	6.9	7.0	8.1	6.5	5.7	8.0	7.4	8.3	6.1	7.2	6.9	5.4
Manufacturing . . . . .	3.4	3.4	3.3	3.2	3.2	3.3	3.5	3.6	3.3	3.5	3.5	4.1	4.0
Durable goods . . . . .	3.3	3.1	2.8	2.8	2.9	2.7	3.1	3.4	2.8	3.5	3.2	3.6	3.7
Nondurable goods . . . . .	3.6	3.7	4.0	3.7	3.7	4.1	4.0	3.9	4.0	3.6	3.8	4.8	4.4
Transportation and public utilities . . . . .	2.7	2.2	2.5	2.1	1.5	1.4	1.6	2.1	1.9	2.2	2.5	2.7	2.4
Wholesale and retail trade . . . . .	4.0	3.9	4.1	4.5	3.5	3.8	4.0	4.3	4.1	4.2	4.4	5.0	5.2
Finance and service industries . . . . .	3.3	3.3	4.0	3.7	3.5	3.5	3.1	3.4	3.1	3.6	3.5	4.1	3.9
Government wage and salary workers . . . . .	2.1	1.6	2.1	2.2	1.6	1.6	1.8	1.8	1.9	2.0	2.0	2.2	1.9
Agricultural wage and salary workers . . . . .	7.8	8.4	8.8	7.6	6.1	6.0	6.3	4.3	4.8	5.0	7.8	7.8	10.0

<sup>1</sup>Insured unemployment under State programs as a percent of average covered employment.

<sup>2</sup>Man-hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force man-hours.

<sup>3</sup>Includes mining, not shown separately.

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**

**A-32: Unemployed persons by duration of unemployment, seasonally adjusted**

(In thousands)

Duration of unemployment	1968									1967			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
Less than 5 weeks .....	1,647	1,629	1,656	1,753	1,696	1,507	1,689	1,721	1,360	1,418	1,609	1,789	1,783
5 to 14 weeks .....	819	767	860	841	718	830	755	776	840	968	930	1,105	937
15 weeks and over .....	369	398	453	423	410	398	448	455	488	445	485	475	440
15 to 26 weeks .....	235	237	275	260	283	241	268	286	302	259	307	305	277
27 weeks and over .....	134	161	178	163	127	157	180	169	186	186	178	170	163

**A-33: Rates of unemployment by age and sex, seasonally adjusted**

Age and sex	1968									1967			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Total, 16 years and over .....</b>	<b>3.6</b>	<b>3.5</b>	<b>3.7</b>	<b>3.8</b>	<b>3.5</b>	<b>3.5</b>	<b>3.6</b>	<b>3.7</b>	<b>3.5</b>	<b>3.7</b>	<b>3.8</b>	<b>4.3</b>	<b>4.1</b>
16 to 19 years .....	12.6	12.0	13.6	13.6	12.6	11.9	13.0	12.6	11.3	12.8	13.9	14.8	13.4
16 and 17 years .....	14.5	13.3	15.7	15.1	14.4	13.5	15.2	15.8	13.4	14.7	15.9	16.4	15.5
18 and 19 years .....	11.4	11.0	11.9	12.1	11.5	10.8	11.4	10.9	9.9	11.3	11.9	13.6	12.1
20 to 24 years .....	6.1	6.1	5.5	6.5	5.3	5.4	6.0	6.4	5.6	5.8	5.5	6.4	6.7
25 years and over .....	2.3	2.2	2.4	2.2	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.9	2.7
25 to 34 years .....	2.4	2.3	2.4	2.2	2.3	2.4	2.3	2.4	2.5	2.5	2.7	3.0	2.8
35 years and over .....	2.1	1.9	2.3	2.3	2.1	1.9	2.2	2.3	2.5	2.5	2.5	2.5	2.3
<b>Males, 16 years and over .....</b>	<b>2.8</b>	<b>2.8</b>	<b>2.9</b>	<b>3.1</b>	<b>2.7</b>	<b>2.7</b>	<b>2.9</b>	<b>3.0</b>	<b>2.9</b>	<b>2.9</b>	<b>3.2</b>	<b>3.4</b>	<b>3.0</b>
16 to 19 years .....	10.7	10.5	12.0	12.9	10.5	10.4	11.8	12.0	11.7	12.0	13.6	14.8	12.1
16 and 17 years .....	12.8	12.2	14.7	14.6	13.9	13.8	13.9	13.3	13.1	14.2	15.8	17.6	13.9
18 and 19 years .....	9.0	9.2	9.8	10.9	8.3	8.0	9.8	10.6	10.3	10.0	11.6	12.3	10.5
20 to 24 years .....	5.1	5.3	4.8	5.5	5.2	4.9	5.4	5.5	4.6	4.8	5.3	5.4	4.9
25 years and over .....	1.8	1.8	1.9	1.8	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.1	1.9
25 to 34 years .....	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.7	1.9	2.0	1.9
35 years and over .....	2.1	1.8	2.2	2.4	2.2	1.8	2.1	2.2	2.5	2.7	2.7	2.4	2.0
<b>Females, 16 years and over .....</b>	<b>5.0</b>	<b>4.8</b>	<b>5.1</b>	<b>4.9</b>	<b>4.9</b>	<b>4.7</b>	<b>4.8</b>	<b>4.9</b>	<b>4.6</b>	<b>5.0</b>	<b>4.9</b>	<b>5.8</b>	<b>5.9</b>
16 to 19 years .....	14.8	13.9	15.6	14.6	15.2	13.8	14.5	13.2	10.9	13.7	13.6	14.8	15.4
16 and 17 years .....	17.0	15.0	17.3	15.8	15.0	12.9	17.2	19.5	13.8	15.5	15.9	14.5	18.0
18 and 19 years .....	14.1	13.1	14.2	13.4	14.9	13.9	13.1	11.3	9.4	12.6	12.1	14.9	13.9
20 to 24 years .....	7.2	7.0	6.4	7.6	5.5	5.9	6.7	7.5	6.9	6.9	5.8	7.7	9.0
25 years and over .....	3.3	3.2	3.4	2.9	3.2	3.3	3.2	3.3	3.4	3.5	3.7	4.3	4.1
25 to 34 years .....	3.6	3.4	3.7	3.2	3.5	3.6	3.4	3.5	3.6	4.0	4.2	4.8	4.4
35 years and over .....	2.0	2.1	2.5	2.3	2.1	2.1	2.4	2.6	2.6	2.2	2.2	2.6	2.8



# HOUSEHOLD DATA SEASONALLY ADJUSTED

**A-34: Employed persons by age and sex, seasonally adjusted**

(In thousands)

Age and sex	1968												1967	
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	
<b>TOTAL</b>														
16 years and over .....	75,957	75,929	76,038	76,048	75,829	75,636	75,802	75,731	75,167	75,577	75,005	74,735	74,658	
16 to 19 years .....	5,719	5,837	5,753	5,875	5,855	5,909	5,891	5,853	5,625	5,529	5,463	5,464	5,530	
16 and 17 years .....	2,342	2,403	2,402	2,475	2,414	2,440	2,469	2,467	2,319	2,346	2,296	2,314	2,267	
18 and 19 years .....	3,348	3,410	3,322	3,371	3,406	3,456	3,479	3,389	3,328	3,222	3,167	3,135	3,233	
20 to 24 years .....	8,822	8,791	8,891	8,700	8,646	8,649	8,653	8,676	8,682	8,720	8,726	8,562	8,555	
25 years and over .....	61,465	61,285	61,136	61,443	61,339	61,088	61,250	61,203	60,847	61,337	60,835	60,701	60,602	
25 to 54 years .....	47,489	47,418	47,456	47,518	47,528	47,396	47,615	47,538	47,365	47,544	47,068	46,899	46,785	
55 years and over .....	13,828	13,839	13,814	13,908	13,765	13,667	13,718	13,715	13,604	13,802	13,731	13,723	13,682	
<b>MALE</b>														
16 years and over .....	48,079	48,216	48,160	48,111	48,017	48,083	48,059	48,056	47,790	47,885	47,553	47,532	47,603	
16 to 19 years .....	3,244	3,309	3,239	3,253	3,275	3,325	3,276	3,214	3,050	3,110	3,047	3,072	3,135	
16 and 17 years .....	1,431	1,459	1,433	1,454	1,447	1,468	1,499	1,501	1,414	1,457	1,421	1,407	1,416	
18 and 19 years .....	1,807	1,833	1,790	1,786	1,798	1,844	1,824	1,735	1,661	1,681	1,634	1,661	1,715	
20 to 24 years .....	4,815	4,809	4,850	4,787	4,730	4,776	4,791	4,844	4,843	4,826	4,815	4,832	4,860	
25 years and over .....	40,018	40,123	40,077	40,078	39,960	40,017	40,004	40,000	39,891	39,945	39,723	39,625	39,608	
25 to 54 years .....	31,002	31,044	31,042	30,998	30,995	31,038	31,123	31,084	31,031	31,015	30,806	30,678	30,700	
55 years and over .....	8,998	9,064	9,021	9,044	8,967	8,921	8,921	8,931	8,901	8,944	8,913	8,912	8,896	
<b>FEMALE</b>														
16 years and over .....	27,878	27,713	27,878	27,937	27,812	27,553	27,743	27,675	27,377	27,692	27,452	27,203	27,035	
16 to 19 years .....	2,475	2,528	2,514	2,622	2,580	2,584	2,615	2,639	2,575	2,419	2,416	2,392	2,395	
16 and 17 years .....	911	944	969	1,021	967	972	970	966	905	889	875	907	851	
18 and 19 years .....	1,541	1,577	1,532	1,585	1,608	1,612	1,655	1,654	1,667	1,541	1,533	1,474	1,518	
20 to 24 years .....	4,007	3,982	4,041	3,913	3,916	3,873	3,862	3,832	3,839	3,894	3,911	3,730	3,695	
25 years and over .....	21,447	21,162	21,284	21,365	21,379	21,071	21,246	21,203	20,956	21,392	21,112	21,076	20,994	
25 to 54 years .....	16,487	16,374	16,414	16,520	16,533	16,358	16,492	16,454	16,334	16,529	16,262	16,221	16,085	
55 years and over .....	4,830	4,775	4,793	4,864	4,798	4,746	4,797	4,784	4,703	4,858	4,818	4,811	4,786	

**A-35: Employed persons by major occupation group, seasonally adjusted**

(In thousands)

Occupation group	1968												1967	
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	
<b>White-collar workers</b>														
Professional and technical .....	35,919	35,675	35,745	35,525	35,533	35,257	35,234	35,135	34,777	34,739	35,070	34,953	34,558	
Managers, officials, and proprietors .....	10,401	10,346	10,464	10,339	10,396	10,284	10,236	10,121	9,991	9,985	10,073	10,093	9,982	
Clerical workers .....	7,978	7,917	7,751	7,607	7,655	7,667	7,719	7,697	7,656	7,540	7,658	7,687	7,617	
Sales workers .....	12,865	12,667	12,851	12,887	12,844	12,694	12,654	12,708	12,643	12,660	12,782	12,582	12,399	
4,675	4,675	4,745	4,679	4,692	4,638	4,612	4,625	4,609	4,487	4,554	4,557	4,591	4,560	
<b>Blue-collar workers</b>														
Craftsmen and foremen .....	27,481	27,559	27,467	27,673	27,357	27,350	27,418	27,485	27,265	27,600	27,106	27,025	27,453	
Operatives .....	9,907	9,908	9,977	9,953	9,927	10,040	10,000	10,071	9,967	9,945	9,830	9,708	9,914	
Nonfarm laborers .....	13,969	14,011	13,835	14,065	13,867	13,865	13,967	13,983	13,852	14,063	13,817	13,777	13,990	
3,605	3,605	3,640	3,655	3,655	3,563	3,445	3,451	3,431	3,446	3,592	3,459	3,540	3,549	
<b>Service workers</b>														
Farmers and farm laborers .....	9,319	9,418	9,310	9,498	9,411	9,177	9,406	9,396	9,292	9,438	9,357	9,290	9,235	
3,283	3,283	3,372	3,485	3,496	3,520	3,647	3,690	3,810	3,645	3,880	3,558	3,414	3,427	

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

**B-1: Employees on nonagricultural payrolls, by industry division  
1919 to date  
(In thousands)**

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	1,133	1,021	10,699	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,421	753	2,728
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	836	1,132	15,524	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,404	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,205	5,069
1957.....	52,894	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	672	2,816	16,326	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	650	2,902	16,853	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	635	2,963	16,995	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,332	634	3,050	17,274	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,249
1965.....	60,832	632	3,186	18,062	4,036	12,716	3,312	9,404	3,023	9,087	10,091	2,378	7,714
1966.....	64,034	627	3,275	19,214	4,151	13,245	3,437	9,808	3,100	9,551	10,871	2,564	8,307
1967.....	66,030	616	3,203	19,434	4,271	13,613	3,538	10,074	3,217	10,060	11,616	2,719	8,897
1967: September.....	66,656	613	3,440	19,546	4,329	13,672	3,572	10,100	3,261	10,180	11,615	2,707	8,908
1967: October.....	66,858	605	3,391	19,491	4,293	13,757	3,588	10,169	3,254	10,191	11,876	2,707	9,169
1967: November.....	67,397	605	3,307	19,660	4,318	14,017	3,616	10,401	3,260	10,219	12,011	2,709	9,302
1967: December.....	67,903	602	3,134	19,609	4,311	14,618	3,620	10,998	3,269	10,223	12,137	2,819	9,318
1968: January.....	66,017	590	2,771	19,398	4,252	13,602	3,564	10,038	3,252	10,124	12,028	2,697	9,331
1968: February.....	66,393	591	2,893	19,425	4,264	13,585	3,572	10,013	3,271	10,228	12,136	2,697	9,439
1968: March.....	66,713	594	2,967	19,447	4,276	13,658	3,581	10,077	3,288	10,290	12,193	2,699	9,494
1968: April.....	67,422	626	3,157	19,507	4,296	13,910	3,594	10,316	3,310	10,402	12,214	2,712	9,502
1968: May.....	67,724	631	3,255	19,569	4,268	13,959	3,607	10,352	3,327	10,488	12,227	2,710	9,517
1968: June.....	68,724	647	3,387	19,897	4,375	14,139	3,690	10,449	3,365	10,634	12,280	2,815	9,465
1968: July.....	68,327	652	3,498	19,729	4,394	14,112	3,717	10,395	3,407	10,687	11,848	2,844	9,004
1968: August.....	68,526	653	3,547	19,894	4,417	14,139	3,728	10,411	3,431	10,677	11,768	2,795	8,973
1968: September.....	68,998	640	3,495	20,019	4,430	14,185	3,714	10,471	3,359	10,629	12,201	2,727	9,474

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month. Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
-	<b>TOTAL</b> .....	68,998	68,526	68,327	66,656	66,391	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	56,797	56,758	56,479	55,041	55,151	47,097	47,047	46,816	45,667	45,758
-	<b>MINING</b> .....	640	653	652	613	624	488	499	499	467	476
10	<b>METAL MINING</b> .....	-	92.3	94.1	65.2	68.8	-	73.7	75.6	50.1	53.3
101	Iron ores .....	-	25.8	27.7	26.2	26.5	-	21.2	23.0	21.9	22.1
102	Copper ores .....	-	37.2	37.0	11.4	14.0	-	29.1	29.0	5.7	8.0
11,12	<b>COAL MINING</b> .....	-	142.8	143.2	142.3	141.1	-	123.1	123.6	123.5	122.6
12	Bituminous coal and lignite mining .....	-	136.6	137.1	135.7	134.5	-	117.7	118.2	117.6	116.8
13	<b>OIL AND GAS EXTRACTION</b> .....	-	289.6	286.8	278.0	285.0	-	197.1	194.6	187.5	194.0
131,2	Crude petroleum and natural gas fields .....	-	152.8	153.3	151.3	154.2	-	80.7	81.1	81.2	83.3
138	Oil and gas field services .....	-	136.8	133.5	126.7	130.8	-	116.4	113.5	106.3	110.7
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	-	127.9	127.9	127.4	128.6	-	105.4	105.4	105.4	106.3
142	Crushed and broken stone .....	-	44.3	44.2	42.9	43.2	-	37.4	37.4	36.4	36.7
144	Sand and gravel .....	-	43.9	44.0	43.6	44.2	-	-	-	-	-
	<b>CONTRACT CONSTRUCTION</b> .....	3,495	3,547	3,498	3,440	3,519	2,981	3,031	2,985	2,940	3,014
	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	1,039.3	1,022.2	1,030.8	1,058.0	-	894.2	877.3	887.2	914.6
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	806.7	798.4	768.5	787.3	-	708.1	700.9	674.1	691.0
161	Highway and street construction .....	-	409.4	403.7	386.8	397.2	-	370.8	366.3	349.7	359.7
162	Heavy construction, n e c .....	-	397.3	394.7	381.7	390.1	-	337.3	334.6	324.4	331.3
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,701.0	1,677.0	1,641.1	1,674.1	-	1,429.0	1,406.6	1,378.3	1,407.9
171	Plumbing, heating, air conditioning .....	-	392.4	384.3	383.8	386.9	-	317.3	311.2	312.8	314.3
172	Painting, paper hanging, decorating .....	-	152.0	155.0	152.2	158.7	-	135.1	138.1	137.0	143.4
173	Electrical work .....	-	270.6	267.1	266.6	268.8	-	216.7	213.3	215.4	216.9
174	Masonry, stonework, and plastering .....	-	243.9	239.5	228.3	238.8	-	222.3	217.6	206.0	216.5
176	Roofing and sheet metal work .....	-	124.3	122.1	121.9	124.9	-	102.8	100.8	99.8	102.8
	<b>MANUFACTURING</b> .....	20,019	19,894	19,729	19,546	19,535	14,710	14,576	14,415	14,369	14,338
19,24,25,32-39	<b>DURABLE GOODS</b> .....	11,660	11,511	11,584	11,346	11,363	8,470	8,323	8,397	8,254	8,265
20-23,26-31	<b>NONDURABLE GOODS</b> .....	8,359	8,383	8,145	8,200	8,172	6,240	6,253	6,018	6,115	6,073
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	352.6	349.7	346.8	327.2	323.9	200.8	198.5	196.7	183.0	180.6
192	Ammunition, except for small arms .....	269.9	267.9	265.5	250.0	247.2	145.2	143.7	142.3	131.2	129.1
1925	Complete guided missiles .....	-	157.9	157.7	157.1	156.2	-	52.7	53.1	54.7	54.4
1929	Ammunition, exc. for small arms, nec .....	-	110.0	107.8	92.9	91.0	-	91.0	89.2	76.5	74.7
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	612.8	624.6	620.0	607.7	616.1	532.1	543.4	538.4	528.5	536.8
241	Logging camps & logging contractors .....	85.6	87.5	88.0	86.4	87.6	-	-	-	-	-
242	Sawmills and planing mills .....	236.9	241.6	240.7	238.2	240.7	215.6	220.1	219.0	216.7	219.4
2421	Sawmills and planing mills, general .....	-	205.3	204.9	201.9	203.9	-	187.2	186.6	184.0	186.1
243	Millwork, plywood & related products .....	167.7	172.1	168.9	162.9	166.3	141.3	145.3	142.1	136.5	139.9
2431	Millwork .....	-	74.6	72.8	70.9	71.5	-	61.0	59.1	57.5	58.1
2432	Veneer and plywood .....	-	76.3	74.9	72.5	74.5	-	69.3	67.9	65.7	67.7
244	Wooden containers .....	36.6	36.8	37.5	36.6	37.4	32.8	32.7	33.5	32.7	33.4
2441,2	Wooden boxes, shooks, and crates .....	-	29.1	29.1	28.5	29.4	-	25.9	25.9	25.5	26.3
249	Miscellaneous wood products .....	86.0	86.6	84.9	83.6	84.1	72.5	73.0	71.5	70.7	71.0

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2: Employees on nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES.....	480.8	479.8	467.0	455.4	454.9	398.1	397.3	384.9	375.2	373.5
251	Household furniture.....	342.9	341.4	332.0	318.5	318.2	292.5	291.0	282.0	269.3	268.2
2511	Wood household furniture.....	—	179.4	173.7	165.6	165.4	—	158.3	152.9	144.7	144.2
2512	Upholstered household furniture.....	—	87.1	84.6	82.1	81.1	—	73.0	70.5	67.8	66.8
2515	Mattresses and bedsprings.....	—	39.6	38.8	37.3	38.3	—	31.3	30.5	30.0	30.3
252	Office furniture.....	—	37.7	36.9	36.7	36.5	—	29.3	28.6	28.7	28.4
254	Partitions and fixtures.....	—	49.2	48.6	48.3	49.2	—	37.3	36.7	35.9	36.6
253,9	Other furniture and fixtures.....	51.2	51.5	49.5	51.9	51.0	39.2	39.7	37.6	41.3	40.3
32	STONE, CLAY, AND GLASS PRODUCTS...	659.4	665.3	660.1	637.8	644.2	532.1	537.5	532.5	507.3	514.2
321	Flat glass.....	—	30.4	30.0	26.9	29.3	—	23.1	22.7	19.8	22.2
322	Glass and glassware, pressed or blown...	132.4	132.2	130.6	122.9	122.7	118.8	118.7	117.6	106.7	106.7
3221	Glass containers.....	—	75.8	74.5	69.0	70.5	—	71.2	70.3	61.3	62.7
3229	Pressed and blown glass, n e c.....	—	56.4	56.1	53.9	52.2	—	47.5	47.3	45.4	44.0
324	Cement, hydraulic.....	36.9	37.3	37.3	36.5	36.8	28.4	28.9	28.9	28.0	28.4
325	Structural clay products.....	65.2	67.0	67.2	65.6	67.1	53.9	55.9	56.1	54.1	55.9
3251	Brick and structural clay tile.....	—	29.7	29.6	28.7	29.6	—	26.2	26.0	25.0	26.1
326	Pottery and related products.....	—	43.0	42.3	42.1	42.0	—	36.2	35.6	35.4	35.3
327	Concrete, gypsum, and plaster products...	187.9	192.4	190.3	184.2	186.1	147.0	151.2	148.7	142.6	144.4
328,9	Other stone and nonmetallic mineral products	137.3	138.3	138.3	136.3	137.6	103.1	103.6	103.5	101.8	103.0
3291	Abrasive products.....	—	28.0	27.8	26.6	26.9	—	19.4	19.2	18.3	18.5
33	PRIMARY METAL INDUSTRIES.....	1,292.1	1,307.5	1,328.6	1,283.3	1,306.2	1,019.6	1,035.4	1,055.9	1,019.2	1,042.0
331	Blast furnace and basic steel products...	(*)	636.4	673.4	628.3	636.9	(*)	503.6	539.6	500.3	509.8
3312	Blast furnaces and steel mills.....	—	556.4	591.7	549.9	557.4	—	442.8	477.3	441.5	447.5
332	Iron and steel foundries.....	225.5	223.3	224.3	220.7	231.5	188.2	185.5	186.7	184.8	195.5
3321	Gray iron foundries.....	—	137.3	138.3	129.5	140.1	—	116.1	117.2	109.5	119.9
3322	Malleable iron foundries.....	—	23.7	23.7	24.2	24.4	—	19.6	19.5	20.2	20.5
3323	Steel foundries.....	—	62.3	62.3	67.0	67.0	—	49.8	50.0	55.1	55.1
333,4	Nonferrous metals.....	85.9	85.8	81.1	68.7	70.5	66.9	67.0	61.8	49.9	51.3
3334	Primary aluminum.....	—	26.4	21.6	26.8	27.0	—	22.0	17.1	21.7	21.8
335	Nonferrous rolling and drawing.....	207.3	204.3	192.6	205.6	204.6	155.2	152.2	140.5	154.5	153.1
3351	Copper rolling and drawing.....	—	43.0	42.7	40.9	41.7	—	32.2	31.8	29.9	30.3
3352	Aluminum rolling and drawing.....	—	68.8	57.7	69.7	67.0	—	51.8	40.7	53.2	50.5
3357	Nonferrous wire drawing and insulating..	—	69.8	69.8	72.0	72.6	—	52.7	52.6	55.2	55.8
336	Nonferrous foundries.....	87.2	86.4	87.4	88.5	89.3	71.5	70.8	72.2	73.0	73.9
3361	Aluminum castings.....	—	43.3	45.8	44.8	46.1	—	35.5	38.3	37.7	39.0
3362,9	Other nonferrous castings.....	—	43.1	41.6	43.7	43.2	—	35.3	33.9	35.3	34.9
339	Miscellaneous primary metal products...	72.8	71.3	69.8	71.5	73.4	57.8	56.3	55.1	56.7	58.4
3391	Iron and steel forgings.....	—	48.3	47.2	48.3	50.0	—	38.6	37.8	38.7	40.4
34	FABRICATED METAL PRODUCTS.....	1,396.9	1,386.2	1,373.6	1,347.9	1,362.1	1,075.9	1,066.4	1,052.7	1,037.9	1,050.4
341	Metal cans.....	67.9	68.9	67.9	66.2	68.2	58.3	59.2	58.4	56.4	58.6
342	Cutlery, hand tools, and hardware.....	165.9	162.2	158.7	163.3	158.7	129.5	126.5	123.1	129.6	125.0
3421,3,5	Cutlery and hand tools, incl. saws.....	—	66.4	64.4	64.0	63.7	—	52.2	50.4	51.6	51.3
3429	Hardware, n e c.....	—	95.8	94.3	99.3	95.0	—	74.3	72.7	78.0	73.7
343	Plumbing and heating, except electric...	83.8	84.8	83.8	81.1	80.3	62.0	63.1	62.0	59.9	59.3
3431,2	Sanitary ware & plumbers' brass goods..	—	38.0	37.3	35.1	35.0	—	30.4	29.6	27.9	27.8
3433	Heating equipment, except electric.....	—	46.8	46.5	46.0	45.3	—	32.7	32.4	32.0	31.5
344	Fabricated structural metal products.....	405.3	410.3	408.4	404.6	407.6	291.7	296.7	293.9	292.2	294.3
3441	Fabricated structural steel.....	—	112.3	110.7	112.2	112.2	—	83.2	81.4	82.6	82.1
3442	Metal doors, sash, and trim.....	—	69.2	68.0	66.8	66.5	—	50.8	49.7	48.9	48.6
3443	Fabricated plate work (boiler shops)....	—	105.6	107.6	106.9	108.6	—	73.3	74.3	75.1	76.7
3444	Sheet metal work.....	—	76.0	75.7	73.8	75.6	—	55.6	55.4	53.5	55.0
3446,9	Architectural and misc. metal work.....	—	47.2	46.4	44.9	44.7	—	33.8	33.1	32.1	31.9
345	Screw machine products, bolts, etc.....	109.4	108.4	107.4	108.1	108.8	86.7	85.8	84.4	85.6	86.2
3451	Screw machine products.....	—	48.8	48.9	49.4	50.1	—	41.4	41.3	42.2	42.9
3452	Bolts, nuts, rivets, and washers.....	—	59.6	58.5	58.7	58.7	—	44.4	43.1	43.4	43.3
346	Metal stampings.....	246.8	236.6	234.0	216.2	230.3	201.0	191.0	188.6	172.5	186.1
347	Metal services, n e c.....	94.1	93.1	91.7	89.0	88.6	78.0	77.2	75.8	74.8	74.3
348	Misc. fabricated wire products.....	66.9	66.1	65.8	64.4	64.3	54.1	53.3	52.8	51.5	51.4
349	Misc. fabricated metal products.....	156.8	155.8	155.9	155.0	155.3	114.6	113.6	113.7	115.4	115.2
3494,8	Valves, pipe, and pipe fittings.....	—	95.9	97.0	95.6	95.8	—	67.3	68.8	68.5	68.6

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
35	<b>MACHINERY, EXCEPT ELECTRICAL . . . .</b>	1,944.3	1,948.6	1,947.5	1,956.0	1,966.4	1,317.3	1,319.5	1,319.3	1,354.0	1,360.2
351	Engines and turbines . . . . .	112.1	110.8	109.2	103.1	104.6	76.2	74.9	73.4	70.5	71.9
3511	Steam engines and turbines . . . . .	-	37.7	36.3	35.7	35.9	-	21.4	20.3	21.3	21.2
3519	Internal combustion engines, n e c . . . . .	-	73.1	72.9	67.4	68.7	-	53.5	53.1	49.2	50.7
352	Farm machinery . . . . .	-	135.6	137.5	142.1	145.1	-	95.4	98.1	102.4	104.4
353	Construction and related machinery . . . . .	273.0	275.0	275.7	273.8	274.2	180.3	181.7	182.4	182.4	182.4
3531,2	Construction and mining machinery . . . . .	-	144.9	146.1	148.2	147.0	-	99.0	100.7	102.0	100.9
3533	Oil field machinery . . . . .	-	42.4	41.9	39.6	39.8	-	29.4	28.9	26.8	26.8
3535,6	Conveyors, hoists, cranes, monorails . . . . .	-	42.2	42.3	41.8	41.5	-	26.1	26.3	26.7	26.4
3537	Industrial trucks and tractors . . . . .	-	29.5	29.2	30.9	30.8	-	19.2	18.4	20.6	20.5
354	Metal working machinery . . . . .	336.1	331.1	335.9	346.1	348.2	250.4	244.7	248.5	259.7	261.3
3541	Machine tools, metal cutting types . . . . .	-	77.9	79.8	82.2	84.3	-	52.3	53.7	56.6	58.4
3544	Special dies, tools, jigs, & fixtures . . . . .	-	117.3	119.5	122.4	122.4	-	95.4	97.5	101.0	101.1
3545	Machine tool accessories . . . . .	-	61.8	61.7	63.4	63.8	-	44.9	44.4	46.8	47.1
3542,8	Misc. metal working machinery . . . . .	-	74.1	74.9	78.1	77.7	-	52.1	52.9	55.3	54.7
355	Special industry machinery . . . . .	194.1	193.1	194.2	200.2	202.1	130.8	129.0	129.8	135.2	136.3
3551	Food products machinery . . . . .	-	42.6	42.7	42.2	43.2	-	27.6	27.8	26.7	27.5
3552	Textile machinery . . . . .	-	39.1	39.8	41.3	41.6	-	29.6	29.8	31.2	31.4
3555	Printing trades machinery . . . . .	-	28.4	28.6	29.0	28.7	-	18.9	19.4	20.4	20.2
356	General industrial machinery . . . . .	280.6	287.9	285.6	292.5	294.3	180.1	187.1	184.8	192.9	193.5
3561	Pumps and compressors . . . . .	-	81.0	80.5	82.6	82.9	-	44.2	43.6	46.1	46.3
3562	Ball and roller bearings . . . . .	-	61.8	60.7	64.0	63.4	-	47.4	46.4	50.0	49.4
3564	Blowers and fans . . . . .	-	31.2	31.2	30.0	30.3	-	19.7	19.5	19.3	19.2
3566	Power transmission equipment . . . . .	-	53.9	52.8	53.6	54.7	-	38.8	37.9	39.2	40.2
357	Office and computing machines . . . . .	250.4	251.5	247.6	244.9	245.1	133.1	134.9	132.1	144.7	145.0
3571	Computing machines and cash registers . . . . .	-	199.2	196.8	190.5	190.4	-	102.7	101.2	107.8	108.0
358	Service industry machines . . . . .	130.2	132.2	133.3	125.7	126.3	90.6	92.1	93.2	87.7	87.9
3585	Refrigeration machinery . . . . .	-	85.9	87.5	80.4	81.1	-	59.5	61.2	56.2	56.7
359	Misc. machinery, except electrical . . . . .	231.7	231.4	228.5	227.6	226.5	179.9	179.7	177.0	178.5	177.5
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	1,979.6	1,962.0	1,940.9	1,936.1	1,945.7	1,324.6	1,307.8	1,284.1	1,298.3	1,307.8
361	Electric test & distributing equipment . . . . .	205.5	205.1	205.0	200.3	200.8	138.6	137.5	139.8	136.9	136.8
3611	Electric measuring instruments . . . . .	-	69.0	68.0	67.9	68.2	-	44.4	43.9	45.0	44.9
3612	Transformers . . . . .	-	56.4	57.0	56.0	56.3	-	40.3	40.5	39.7	39.9
3613	Switchgear and switchboard apparatus . . . . .	-	79.7	80.0	76.4	76.3	-	54.8	55.4	52.2	52.0
362	Electrical industrial apparatus . . . . .	213.1	211.9	212.9	216.7	219.4	146.9	145.9	146.5	151.5	153.9
3621	Motors and generators . . . . .	-	115.9	116.9	120.0	120.0	-	80.8	81.1	84.8	84.9
3622	Industrial controls . . . . .	-	57.9	58.4	59.4	61.0	-	37.0	37.7	39.0	40.4
363	Household appliances . . . . .	177.9	177.5	174.6	165.0	170.6	141.7	141.3	138.2	128.6	134.6
3632	Household refrigerators and freezers . . . . .	-	58.2	59.9	45.8	55.7	-	47.7	49.2	35.5	45.3
3633	Household laundry equipment . . . . .	-	27.0	25.6	26.4	25.7	-	21.6	20.2	22.0	21.3
3634	Electric housewares and fans . . . . .	-	41.6	38.5	43.0	41.0	-	33.2	30.0	33.3	31.4
364	Electric lighting and wiring equipment . . . . .	208.5	205.5	203.9	200.7	200.4	159.0	156.2	155.0	153.5	153.4
3641	Electric lamps . . . . .	-	37.5	37.2	36.5	36.0	-	33.1	32.8	32.2	31.7
3642	Lighting fixtures . . . . .	-	65.7	66.0	65.4	64.1	-	50.6	51.1	50.9	49.6
3643,4	Wiring devices . . . . .	-	102.3	100.7	98.8	100.3	-	72.5	71.1	70.4	72.1
365	Radio and TV receiving equipment . . . . .	154.9	151.0	143.9	160.6	154.7	119.2	114.3	107.9	125.4	119.7
366	Communication equipment . . . . .	514.6	512.9	509.8	511.6	512.2	255.9	253.3	248.1	251.1	251.8
3661	Telephone and telegraph apparatus . . . . .	-	128.4	127.9	130.4	130.9	-	85.0	84.0	87.4	87.9
3662	Radio and TV communication equipment . . . . .	-	384.5	381.9	381.2	381.3	-	168.3	164.1	163.7	163.9
367	Electronic components and accessories . . . . .	380.7	378.9	372.7	373.2	372.8	267.6	266.4	259.4	269.6	269.1
3671-3	Electron tubes . . . . .	-	68.9	68.5	71.5	71.6	-	48.3	47.7	51.3	51.4
3674,9	Other electronic components . . . . .	-	310.0	304.2	301.7	301.2	-	218.1	211.7	218.3	217.7
369	Misc. electrical equipment & supplies . . . . .	124.4	119.2	118.1	108.0	114.8	95.7	90.9	89.2	81.7	88.5
3694	Engine electrical equipment . . . . .	-	64.2	64.4	54.6	61.4	-	49.4	49.4	41.2	48.0
37	<b>TRANSPORTATION EQUIPMENT . . . . .</b>	2,031.1	1,881.1	2,024.1	1,902.3	1,855.1	1,426.8	1,281.6	1,426.2	1,318.4	1,272.6
371	Motor vehicles and equipment . . . . .	(*)	729.1	862.3	765.5	724.1	(*)	534.4	669.8	575.4	533.8
3711	Motor vehicles . . . . .	-	281.9	367.2	315.8	282.1	-	188.4	274.0	222.5	187.5
3712	Passenger car bodies . . . . .	-	31.7	65.0	64.9	26.4	-	18.5	52.9	53.5	14.7
3713	Truck and bus bodies . . . . .	-	36.7	36.8	36.3	37.0	-	29.5	29.4	29.0	29.7
3714	Motor vehicle parts and accessories . . . . .	-	354.5	369.4	323.6	354.0	-	279.4	295.5	251.3	282.4
3715	Truck trailers . . . . .	-	24.3	23.9	24.9	24.6	-	18.6	18.0	19.1	19.5
372	Aircraft and parts . . . . .	860.7	853.7	854.9	844.1	834.4	507.2	502.2	505.4	505.7	497.4
3721	Aircraft . . . . .	-	501.9	498.7	479.1	472.8	-	287.6	287.5	278.0	274.5
3722	Aircraft engines and engine parts . . . . .	-	204.1	207.3	218.8	215.7	-	114.3	116.7	127.2	123.0
3723,9	Other aircraft parts and equipment . . . . .	-	147.7	148.9	146.2	145.9	-	100.3	101.2	100.5	99.9
373	Ship and boat building and repairing . . . . .	180.8	170.4	181.2	172.4	171.0	149.8	140.8	149.5	141.3	140.8
3731	Ship building and repairing . . . . .	-	135.7	144.3	139.3	139.0	-	112.6	119.0	114.0	114.5

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
<b>TRANSPORTATION EQUIPMENT--Continued</b>											
3732	Boat building and repairing.....	-	34.7	36.9	33.1	32.0	-	28.2	30.5	27.3	26.3
374	Railroad equipment.....	-	43.8	40.9	50.8	53.8	-	32.8	29.5	38.5	41.3
375,9	Other transportation equipment.....	-	84.1	84.8	69.5	71.8	-	71.4	72.0	57.5	59.3
38	<b>INSTRUMENTS AND RELATED PRODUCTS....</b>	<b>453.3</b>	<b>453.9</b>	<b>445.9</b>	<b>448.2</b>	<b>450.9</b>	<b>279.6</b>	<b>278.7</b>	<b>270.1</b>	<b>278.2</b>	<b>279.5</b>
381	Engineering & scientific instruments.....	-	84.2	81.1	86.8	87.3	-	41.4	37.9	44.8	44.9
382	Mechanical measuring & control devices....	107.5	107.3	107.3	104.9	105.9	67.9	67.7	67.2	66.8	67.6
3821	Mechanical measuring devices.....	-	64.3	64.7	64.9	64.9	-	38.0	38.2	39.1	39.0
3822	Automatic temperature controls.....	-	43.0	42.6	40.0	41.0	-	29.7	29.0	27.7	28.6
383,5	Optical and ophthalmic goods.....	51.5	51.0	50.8	51.2	51.2	37.1	36.6	36.1	36.2	36.2
385	Ophthalmic goods.....	-	32.2	31.9	31.8	31.7	-	24.7	24.2	24.0	24.0
384	Medical instruments and supplies.....	68.1	68.2	66.8	66.2	66.6	46.0	46.2	45.2	44.6	44.8
386	Photographic equipment and supplies.....	106.8	107.7	106.9	103.5	105.2	58.0	57.7	57.2	56.5	57.3
387	Watches, clocks, and watchcases.....	-	35.5	33.0	35.6	34.7	-	29.1	26.5	29.3	28.7
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>											
39	Jewelry, silverware, and plated ware.....	456.8	452.1	429.8	444.4	437.9	363.1	357.0	335.8	354.1	347.3
391	Toys and sporting goods.....	51.3	133.8	125.2	126.5	122.3	39.1	111.3	103.0	106.7	102.3
394	Games, toys, dolls, & play vehicles.....	-	84.4	76.4	78.5	75.3	-	71.2	63.5	67.9	64.3
3941-3	Sporting and athletic goods, n e c.....	-	49.4	48.8	48.0	47.0	-	40.1	39.5	38.8	38.0
3949	Pens, pencils, office, and art supplies....	-	35.6	34.6	34.3	34.4	-	25.5	24.6	24.8	24.7
395	Costume jewelry and notions.....	-	59.2	55.7	61.1	61.3	-	48.9	45.7	50.5	50.6
396	Other manufacturing industries.....	173.7	173.0	166.9	171.4	169.4	133.7	133.0	127.2	132.9	130.9
393,8,9	Musical instruments and parts.....	-	25.6	24.1	25.8	24.5	-	20.0	18.6	20.6	19.6
393											
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS.....</b>	<b>1,898.8</b>	<b>1,905.5</b>	<b>1,817.7</b>	<b>1,917.1</b>	<b>1,878.4</b>	<b>1,301.9</b>	<b>1,305.0</b>	<b>1,215.7</b>	<b>1,311.6</b>	<b>1,265.9</b>
201	Meat products.....	335.9	338.6	335.6	334.5	337.6	271.2	273.6	270.5	269.4	271.6
2011	Meat packing plants.....	-	188.7	189.0	187.3	188.9	-	147.3	147.2	145.1	146.3
2013	Sausages and other prepared meats.....	-	57.4	56.2	55.4	55.8	-	41.6	40.6	39.8	39.9
2015	Poultry dressing plants.....	-	92.5	90.4	91.8	92.9	-	84.7	82.7	84.5	85.4
202	Dairy products.....	262.5	269.1	270.8	271.1	278.7	124.8	129.5	130.8	125.7	131.4
2024	Ice cream and frozen desserts.....	-	31.2	31.4	29.9	32.2	-	16.7	17.1	15.5	17.7
2026	Fluid milk.....	-	187.6	188.4	190.7	194.8	-	73.2	73.5	71.5	73.7
203	Canned, cured, and frozen foods.....	-	365.5	285.5	300.1	336.8	-	319.7	240.9	342.3	289.7
2031,6	Canned, cured, and frozen sea foods....	-	43.8	46.9	41.0	44.5	-	38.9	41.8	36.0	39.5
2032,3	Canned food, except sea foods.....	-	224.3	158.0	244.7	193.5	-	196.1	131.0	214.6	164.2
2037	Frozen fruits and vegetables.....	-	55.3	45.2	64.7	58.0	-	49.6	39.8	58.8	52.1
204	Grain mill products.....	136.4	138.2	137.1	134.2	136.3	96.6	98.0	96.9	94.1	96.0
2041	Flour and other grain mill products.....	-	32.0	31.8	30.5	30.9	-	22.8	22.6	21.6	22.1
2042	Prepared feeds for animals and fowls....	-	65.2	64.2	62.9	63.8	-	43.7	42.6	41.8	42.6
205	Bakery products.....	284.2	286.8	288.1	284.0	285.6	166.9	168.8	169.4	166.3	167.4
2051	Bread, cake, and related products.....	-	241.4	242.2	238.8	240.4	-	131.5	131.6	129.1	130.0
2052	Cookies and crackers.....	-	45.4	45.9	45.2	45.2	-	37.3	37.8	37.2	37.4
206	Sugar.....	-	31.6	30.8	31.5	30.1	-	24.7	23.7	25.0	23.1
207	Confectionery and related products.....	86.9	84.9	77.7	87.6	84.4	72.0	69.4	62.4	71.8	68.9
2071	Confectionery products.....	-	68.6	62.0	71.8	68.9	-	57.2	50.7	60.1	57.5
208	Beverages.....	243.0	246.6	248.6	239.7	244.9	125.9	127.9	129.1	123.5	125.5
2082	Malt liquors.....	-	64.6	65.8	63.2	64.5	-	43.4	44.3	41.8	43.0
2086	Bottled and canned soft drinks.....	-	138.0	139.0	131.0	137.7	-	54.8	55.5	50.4	54.0
209	Misc. foods and kindred products.....	144.3	144.2	143.5	144.4	144.0	94.3	93.4	92.0	93.5	92.3
21	<b>TOBACCO MANUFACTURES.....</b>	<b>102.4</b>	<b>95.6</b>	<b>76.8</b>	<b>98.3</b>	<b>91.8</b>	<b>88.9</b>	<b>82.6</b>	<b>63.7</b>	<b>85.1</b>	<b>79.2</b>
211	Cigarettes.....	-	42.9	43.1	42.4	42.5	-	35.4	35.3	35.3	35.4
212	Cigars.....	-	20.3	18.9	20.2	20.1	-	18.9	17.5	18.7	18.6
22	<b>TEXTILE MILL PRODUCTS.....</b>	<b>992.6</b>	<b>997.5</b>	<b>979.6</b>	<b>963.3</b>	<b>960.9</b>	<b>879.7</b>	<b>884.5</b>	<b>866.8</b>	<b>854.4</b>	<b>851.6</b>
221	Weaving mills, cotton.....	230.8	231.7	231.1	235.6	232.2	210.1	211.1	210.8	215.8	212.2
222	Weaving mills, synthetics.....	106.0	106.4	104.2	101.5	101.4	95.5	95.8	93.6	91.7	91.4
223	Weaving and finishing mills, wool.....	43.8	45.0	44.7	43.6	43.5	37.7	38.8	38.6	37.7	37.7
224	Narrow fabric mills.....	31.5	31.4	30.0	30.4	30.4	28.2	28.0	26.6	27.0	27.1
225	Knitting mills.....	248.9	249.8	243.1	233.5	237.7	221.9	223.4	216.4	207.8	210.2
2251	Women's hosiery, except socks.....	-	63.1	61.1	56.5	56.1	-	57.7	55.7	51.7	51.3
2252	Hosiery, n e c.....	-	41.0	40.6	41.3	42.3	-	37.4	36.9	37.6	38.6
2253	Knit outerwear mills.....	-	77.8	74.0	71.9	72.1	-	68.7	64.9	62.6	63.0
2254	Knit underwear mills.....	-	34.0	33.8	32.3	32.7	-	30.1	30.0	28.7	29.1

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<i>Nondurable Goods--Continued</i>										
	<b>TEXTILE MILL PRODUCTS--Continued</b>										
226	Textile finishing, except wool .....	80.3	81.0	80.0	78.8	79.1	68.1	68.6	67.6	66.5	66.6
227	Floor covering mills .....	-	51.6	49.9	47.6	46.9	-	41.2	39.4	38.4	37.7
228	Yarn and thread mills .....	118.8	119.9	117.5	113.6	113.5	109.9	111.0	108.6	104.9	104.7
229	Miscellaneous textile goods .....	79.9	80.7	79.1	78.7	78.2	66.0	66.6	65.2	64.6	64.0
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS...</b>	1,439.4	1,435.9	1,372.1	1,408.6	1,416.4	1,270.2	1,266.7	1,206.9	1,246.6	1,254.6
231	Men's and boys' suits and coats .....	134.5	133.1	127.4	128.2	128.5	118.2	117.0	111.9	113.2	113.6
232	Men's and boys' furnishings .....	377.8	380.5	365.1	369.2	373.2	336.8	339.2	324.6	331.6	335.9
2321	Men's and boys' shirts and nightwear ...	-	126.5	123.6	124.7	125.5	-	113.7	111.0	112.3	113.0
2327	Men's and boys' separate trousers .....	-	83.1	78.5	76.5	78.5	-	76.4	71.9	71.2	73.1
2328	Men's and boys' work clothing .....	-	82.5	79.5	83.0	83.8	-	71.3	68.6	73.3	74.3
233	Women's and misses' outerwear .....	438.1	435.6	413.0	422.0	425.6	388.0	386.2	365.4	374.7	378.5
2331	Women's and misses' blouses and waists ..	-	55.3	53.6	52.7	54.2	-	49.5	47.8	47.3	48.7
2335	Women's and misses' dresses .....	-	200.7	184.7	196.3	197.7	-	179.6	164.6	175.4	176.8
2337	Women's and misses' suits and coats ...	-	98.5	95.2	96.3	96.9	-	88.1	85.4	86.3	87.3
2339	Women's and misses' outerwear, n e c ...	-	81.1	79.5	76.7	76.8	-	69.0	67.6	65.7	65.7
234	Women's and children's undergarments ...	126.3	124.8	119.7	125.0	124.6	111.3	109.6	104.7	110.0	109.5
2341	Women's and children's underwear .....	-	83.6	80.1	83.5	83.4	-	74.8	71.3	75.0	74.7
2342	Corsets and allied garments .....	-	41.2	39.6	41.5	41.2	-	34.8	33.4	35.0	34.8
235	Hats, caps, and millinery .....	-	23.7	24.0	24.7	25.9	-	21.2	21.6	22.0	23.2
236	Children's outerwear .....	79.2	79.5	79.6	76.4	78.3	70.6	70.9	71.0	68.0	69.8
2361	Children's dresses and blouses .....	-	34.6	35.3	32.3	33.4	-	31.2	31.9	29.1	30.1
237,8	Fur goods and miscellaneous apparel .....	-	83.5	78.5	86.0	84.8	-	72.8	68.4	75.7	74.4
239	Misc. fabricated textile products .....	176.8	175.2	164.8	177.1	175.5	151.7	149.8	139.3	151.4	149.7
2391,2	Housefurnishings .....	-	61.9	59.3	63.5	61.3	-	53.5	51.1	55.2	52.9
26	<b>PAPER AND ALLIED PRODUCTS.....</b>	704.6	709.5	700.4	685.6	691.4	548.6	551.7	543.2	531.5	537.0
261,2,6	Paper and pulp mills .....	220.0	224.0	223.6	220.6	222.9	171.7	174.9	174.9	173.4	175.6
263	Paperboard mills .....	74.1	74.4	72.8	71.6	73.1	59.3	59.6	58.1	56.0	57.2
264	Misc. converted paper products .....	186.6	186.5	184.5	178.5	180.0	137.9	136.9	135.1	130.8	132.4
264,3	Bags, except textile bags .....	-	43.0	42.2	40.3	40.4	-	34.8	34.0	32.2	32.2
265	Paperboard containers and boxes .....	223.9	224.6	219.5	214.9	215.4	179.7	180.3	175.1	171.3	171.8
2651,2	Folding and setup paperboard boxes .....	-	69.2	66.5	67.3	66.5	-	58.0	55.3	55.8	55.1
2653	Corrugated and solid fiber boxes .....	-	105.1	102.9	99.2	99.0	-	81.1	78.9	76.2	75.9
2654	Sanitary food containers .....	-	30.7	31.4	30.6	32.3	-	24.8	25.5	24.5	26.2
27	<b>PRINTING AND PUBLISHING.....</b>	1,065.0	1,068.4	1,063.9	1,049.8	1,051.7	666.2	666.6	662.7	661.9	661.8
271	Newspapers .....	364.8	365.9	363.5	356.9	357.7	179.8	180.2	178.7	178.1	177.4
272	Periodicals .....	-	76.2	75.8	75.0	75.6	-	26.1	25.9	25.8	25.7
273	Books .....	-	94.1	94.5	91.7	93.6	-	53.8	53.9	54.2	56.1
275	Commercial printing .....	343.2	340.8	339.8	334.1	330.9	267.8	266.5	265.3	261.7	258.8
2751	Commercial printing, ex. lithographic ...	-	210.9	210.5	208.9	206.3	-	167.1	166.4	165.9	163.7
2752	Commercial printing, lithographic .....	-	117.4	116.9	114.1	113.6	-	89.8	89.3	87.1	86.5
278	Blankbooks and bookbinding .....	54.2	56.1	55.4	56.4	58.9	44.1	45.7	45.2	46.3	48.5
274,6,7,9	Other publishing & printing ind. ....	135.9	135.3	134.9	135.7	135.0	95.2	94.3	93.7	95.8	95.3
28	<b>CHEMICALS AND ALLIED PRODUCTS...</b>	1,040.9	1,048.3	1,043.4	1,007.8	1,015.7	615.8	620.8	613.4	593.4	596.5
281	Industrial chemicals .....	316.6	320.4	320.5	313.9	318.3	173.2	175.3	173.8	172.5	175.0
2812	Alkalies and chlorine .....	-	27.2	27.0	25.7	26.4	-	18.6	18.5	17.5	18.0
2818	Industrial organic chemicals, n e c ...	-	129.1	130.2	125.4	127.3	-	57.9	57.5	55.2	56.2
2819	Industrial inorganic chemicals, n e c ...	-	99.1	99.1	99.8	101.1	-	57.1	57.4	59.2	60.0
282	Plastics materials and synthetics .....	218.7	218.7	217.7	206.4	206.2	145.4	145.1	144.3	135.0	134.0
2821	Plastics materials and resins .....	-	93.5	93.3	90.3	90.9	-	57.7	57.6	55.4	55.7
2823,4	Synthetic fibers .....	-	110.7	109.9	102.0	101.1	-	77.7	77.0	70.4	69.1
283	Drugs .....	141.4	143.1	143.1	136.6	137.3	72.0	73.3	72.8	71.0	70.5
2834	Pharmaceutical preparations .....	-	105.9	105.9	101.2	101.5	-	52.8	52.8	50.7	50.1
284	Soap, cleaners, and toilet goods .....	122.0	121.6	117.7	116.2	116.0	74.8	75.3	71.0	71.4	70.9
2841	Soap and other detergents .....	-	39.2	39.1	38.4	38.4	-	26.3	26.2	26.2	26.2
2844	Toilet preparations .....	-	49.9	46.6	46.2	45.7	-	32.3	28.3	29.0	28.3
285	Paints and allied products .....	71.1	72.5	72.3	68.7	70.5	39.1	40.3	40.3	37.5	39.1
287	Agricultural chemicals .....	52.9	52.6	53.0	53.3	52.8	31.8	31.3	31.7	33.2	32.6
2871,2	Fertilizers, complete & mixing only .....	-	34.7	35.0	37.6	36.5	-	22.7	23.0	25.7	24.5
286,9	Other chemical products .....	118.2	119.4	119.1	112.7	114.6	79.5	80.2	79.5	72.8	74.4
2892	Explosives .....	-	48.8	48.1	44.9	45.6	-	37.9	37.1	33.3	33.9
29	<b>PETROLEUM AND COAL PRODUCTS.....</b>	189.5	192.4	192.4	187.3	188.5	120.4	122.2	122.2	118.2	117.9
291	Petroleum refining .....	152.0	153.9	153.9	150.0	150.9	93.1	94.3	94.1	90.9	90.6
295,9	Other petroleum and coal products .....	37.5	38.5	38.5	37.3	37.6	27.3	27.9	28.1	27.3	27.3

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2: Employees on nonagricultural payrolls, by industry--Continued**

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<i>Nondurable Goods--Continued</i>										
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	569.8	566.6	550.3	533.0	524.0	441.6	439.0	424.1	410.9	402.4
301	Tires and inner tubes.....	116.2	113.8	112.4	108.6	105.7	81.4	79.5	78.3	75.5	72.6
302,3,6	Other rubber products.....	182.3	182.0	177.4	179.4	175.3	142.4	142.5	137.9	140.6	136.4
302	Rubber footwear.....	-	24.7	23.5	24.0	24.0	-	20.7	19.4	20.1	20.0
307	Miscellaneous plastics products.....	271.3	270.8	260.5	245.0	243.0	217.8	217.0	207.9	194.8	193.4
31	<b>LEATHER AND LEATHER PRODUCTS...</b>	356.1	363.7	348.4	348.9	353.6	306.6	313.7	299.0	301.5	305.8
311	Leather tanning and finishing.....	30.4	31.4	31.2	30.4	30.4	26.4	27.4	27.2	26.4	26.8
314	Footwear, except rubber.....	235.5	240.0	232.1	228.1	232.8	205.7	210.0	202.3	199.4	203.8
312,3,5-7,9	Other leather products.....	90.2	92.3	85.1	90.4	90.4	74.5	76.3	69.5	75.7	75.2
316	Luggage.....	-	22.2	19.5	21.9	21.5	-	17.9	15.5	18.3	17.6
317	Handbags and personal leather goods.....	-	38.5	35.1	37.8	37.9	-	32.8	29.4	32.4	32.4
	<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,430	4,417	4,394	4,329	4,339					
40	<b>RAILROAD TRANSPORTATION.....</b>	-	672.5	676.6	688.8	701.4	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	-	594.5	596.7	599.8	612.5	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT.....</b>	-	261.3	262.7	282.2	259.9	-	-	-	-	-
411	Local and suburban transportation.....	-	80.2	80.2	83.3	81.5	-	76.1	76.2	78.7	77.1
412	Taxicabs.....	-	111.5	111.9	111.0	109.8	-	-	-	-	-
413	Intercity highway transportation.....	-	43.7	44.1	44.9	45.3	-	40.2	40.6	41.2	41.7
42	<b>TRUCKING AND WAREHOUSING.....</b>	-	1,073.6	1,068.5	1,050.2	1,046.0	-	974.0	969.3	953.0	949.5
421,3	Trucking and trucking terminals.....	-	983.6	979.7	962.5	957.8	-	895.6	892.2	876.3	872.5
422	Public warehousing.....	-	90.0	88.8	87.7	88.2	-	78.4	77.1	76.7	77.0
45	<b>TRANSPORTATION BY AIR.....</b>	-	343.9	338.4	308.6	308.5	-	-	-	-	-
451,2	Air transportation.....	-	310.7	305.3	278.2	277.9	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION.....</b>	-	19.5	19.5	19.0	19.5	-	16.2	16.2	15.9	16.4
44,47	<b>OTHER TRANSPORTATION AND SERVICES</b>	-	358.5	351.6	347.5	352.9	-	-	-	-	-
44	WATER TRANSPORTATION.....	-	256.2	249.3	244.7	249.3	-	-	-	-	-
47	TRANSPORTATION SERVICES.....	-	102.3	102.3	102.8	103.6	-	-	-	-	-
48	<b>COMMUNICATION.....</b>	-	1,009.2	999.5	978.1	989.6	-	791.8	783.7	770.9	782.5
481	Telephone communication.....	-	830.4	823.1	808.9	821.7	-	657.5	650.9	643.0	655.9
482	Telegraph communication <sup>3</sup> .....	-	33.0	33.0	33.0	33.5	-	23.0	23.0	22.6	22.8
483	Radio and television broadcasting.....	-	133.5	131.3	126.0	124.3	-	107.1	105.7	101.7	100.3
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	678.6	676.9	654.3	661.5	-	587.7	587.1	566.1	573.3
491	Electric companies and systems.....	-	273.6	273.2	265.4	265.8	-	234.5	234.4	226.7	227.0
492	Gas companies and systems.....	-	165.7	164.9	158.4	162.0	-	142.2	141.6	136.0	139.6
493	Combination companies and systems.....	-	190.2	189.8	184.5	186.6	-	167.7	167.8	162.9	165.1
494-7	Water, steam, & sanitary systems.....	-	49.1	49.0	46.0	47.1	-	43.3	43.3	40.5	41.6
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	14,185	14,139	14,112	13,672	13,610	12,605	12,562	12,543	12,167	12,120
50	<b>WHOLESALE TRADE.....</b>	3,714	3,728	3,717	3,572	3,596	3,128	3,142	3,135	3,008	3,036
501	Motor vehicles & automotive equipment.....	-	296.8	295.5	274.2	280.2	-	246.2	245.0	227.5	234.2
502	Drugs, chemicals, and allied products.....	-	223.0	222.1	216.1	216.9	-	185.2	183.9	178.9	179.8
503	Dry goods and apparel.....	-	151.6	151.1	145.6	147.0	-	123.9	123.8	117.7	119.4
504	Groceries and related products.....	-	547.1	558.1	533.5	537.4	-	478.2	490.1	466.0	470.9
506	Electrical goods.....	-	306.2	303.6	277.3	281.6	-	252.1	250.0	226.3	230.7
507	Hardware; plumbing & heating equipment.....	-	165.4	164.6	159.7	160.5	-	140.1	139.5	135.6	136.4
508	Machinery, equipment, and supplies.....	-	720.3	716.5	683.5	681.0	-	609.5	606.5	576.5	575.4
509	Miscellaneous wholesalers.....	-	1,225.4	1,216.3	1,179.8	1,189.3	-	1,028.8	1,022.9	992.9	1,003.1
52-59	<b>RETAIL TRADE.....</b>	10,471	10,411	10,395	10,100	10,014	9,477	9,420	9,408	9,159	9,084
53	<b>RETAIL GENERAL MERCHANDISE.....</b>	-	2,023.9	2,015.6	1,991.1	1,937.8	-	1,857.7	1,851.0	1,829.3	1,779.4
531	Department stores.....	-	1,304.2	1,306.0	1,270.2	1,238.1	-	1,196.4	1,198.4	1,166.4	1,136.5
532	Mail order houses.....	-	116.3	113.3	122.5	117.0	-	108.1	105.2	114.5	109.0
533	Variety stores.....	-	311.5	308.9	314.6	300.9	-	290.9	289.0	294.3	281.9
54	<b>FOOD STORES.....</b>	-	1,607.3	1,617.1	1,575.2	1,556.0	-	1,482.1	1,492.6	1,458.5	1,440.0
541-3	Grocery, meat, and vegetable stores.....	-	1,438.2	1,445.7	1,404.2	1,388.6	-	1,327.1	1,335.2	1,298.9	1,284.0

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.



**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2: Employees on nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<b>WHOLESALE AND RETAIL TRADE (Continued)</b>											
56	<b>APPAREL AND ACCESSORY STORES . . . . .</b>		650.4	650.9	659.3	635.3	-	580.8	582.7	591.4	569.4
561	Men's & boys' clothing & furnishings . . . . .		111.4	112.9	108.7	107.6	-	98.7	100.3	97.2	96.4
562	Women's ready-to-wear stores . . . . .		241.4	242.6	246.6	239.3	-	216.2	218.4	221.8	215.7
565	Family clothing stores . . . . .		102.8	102.8	104.7	101.6	-	95.5	95.8	96.8	94.0
566	Shoe stores . . . . .		129.4	127.3	132.6	124.4	-	112.9	110.8	117.0	108.8
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>		433.6	432.5	425.9	423.0	-	377.9	378.4	373.6	370.7
571	Furniture and home furnishings . . . . .		279.8	277.6	271.4	270.7	-	243.7	242.9	237.5	237.0
58	<b>EATING AND DRINKING PLACES . . . . .</b>		2,404.0	2,387.4	2,269.5	2,276.2	-	2,245.4	2,229.8	2,123.0	2,129.0
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>		3,292.1	3,291.3	3,178.5	3,185.9	-	2,876.2	2,873.7	2,783.6	2,795.2
52	Building materials and farm equipment . . . . .		564.5	566.5	542.7	552.7	-	487.2	488.1	465.9	476.8
55	Automotive dealers & service stations . . . . .		1,573.2	1,569.1	1,506.4	1,509.9	-	-	-	-	-
551,2	Motor vehicle dealers . . . . .		754.6	753.5	728.8	729.1	-	640.1	638.6	617.2	618.2
553,9	Other automotive & accessory dealers . . . . .		206.4	203.9	196.9	200.4	-	178.0	175.9	169.4	172.8
554	Gasoline service stations . . . . .		612.2	611.7	580.7	580.4	-	-	-	-	-
59	Miscellaneous retail stores . . . . .		1,154.4	1,155.7	1,129.4	1,123.3	-	-	-	-	-
591	Drug stores and proprietary stores . . . . .		422.5	422.0	419.8	415.3	-	381.1	380.5	381.1	377.3
594	Book and stationery stores . . . . .		57.0	57.3	60.2	56.1	-	49.3	49.4	52.8	48.6
596	Farm and garden supply stores . . . . .		97.6	100.2	98.0	96.9	-	-	-	-	-
598	Fuel and ice dealers . . . . .		103.8	103.8	103.8	101.7	-	88.7	89.4	89.3	87.4
<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>4</sup> . . . . .</b>											
		3,399	3,431	3,407	3,261	3,293	2,700	2,736	2,715	2,596	2,632
60	Banking . . . . .	-	932.0	926.8	878.3	888.3	-	775.5	771.0	731.9	741.8
61	Credit agencies other than banks . . . . .	-	350.6	350.7	342.9	344.0	-	275.1	275.6	271.6	273.1
612	Savings and loan associations . . . . .	-	102.1	102.7	98.5	99.0	-	81.6	82.5	78.9	79.4
614	Personal credit institutions . . . . .	-	186.9	186.7	185.2	185.6	-	-	-	-	-
62	Security, commodity brokers & services . . . . .	-	198.3	193.3	161.2	161.9	-	176.0	171.3	141.4	142.4
63	Insurance carriers . . . . .	-	991.6	980.2	957.4	964.1	-	696.3	686.5	671.5	679.3
631	Life insurance . . . . .	-	516.2	506.5	506.9	509.1	-	302.9	294.6	293.6	296.2
632	Accident and health insurance . . . . .	-	80.2	80.0	72.1	72.9	-	69.3	69.1	63.1	64.0
633	Fire, marine, and casualty insurance . . . . .	-	350.9	349.4	336.8	340.1	-	286.9	285.9	280.6	284.6
64	Insurance agents, brokers, and service . . . . .	-	262.9	261.5	250.3	253.4	-	-	-	-	-
65	Real estate . . . . .	-	616.0	615.3	594.1	604.0	-	-	-	-	-
655	Subdividers and developers . . . . .	-	85.6	86.5	77.7	80.9	-	-	-	-	-
656	Operative builders . . . . .	-	51.6	50.8	43.7	44.8	-	-	-	-	-
66,67	Other finance, insurance, & real estate . . . . .	-	79.6	79.2	76.9	77.7	-	-	-	-	-
<b>SERVICES . . . . .</b>											
		10,629	10,677	10,687	10,180	10,231					
70	Hotels and other lodging places . . . . .	756.3	843.7	848.4	721.7	809.9	-	-	-	-	-
701	Hotels, tourist courts, and motels . . . . .	-	709.9	710.8	647.9	686.0	-	661.5	661.4	603.1	640.0
72	Personal services . . . . .	1,015.4	1,015.8	1,024.8	1,017.6	1,018.4	-	-	-	-	-
721	Laundries and dry cleaning plants . . . . .	-	546.4	552.7	556.2	558.5	-	497.7	503.5	505.1	507.0
722	Photographic studios . . . . .	-	40.6	40.1	41.3	38.0	-	35.7	35.2	36.4	33.6
73	Miscellaneous business services . . . . .	-	1,426.2	1,412.3	1,360.7	1,361.3	-	-	-	-	-
731	Advertising . . . . .	-	117.4	117.3	116.6	116.5	-	-	-	-	-
732	Credit reporting and collection . . . . .	-	72.3	72.6	70.9	71.1	-	-	-	-	-
734	Services to buildings . . . . .	-	242.4	241.8	230.2	229.8	-	-	-	-	-
76	Miscellaneous repair services . . . . .	-	168.6	171.0	169.1	170.3	-	-	-	-	-
78	Motion pictures . . . . .	-	214.8	213.7	205.1	214.6	-	-	-	-	-
781	Motion picture filming & distributing . . . . .	-	59.2	58.1	56.3	60.0	-	37.5	36.4	34.6	36.5
782,3	Motion picture theaters and services . . . . .	-	155.6	155.6	148.8	154.6	-	-	-	-	-
80	Medical and other health services . . . . .	2,683.6	2,694.2	2,687.1	2,483.5	2,483.8	-	-	-	-	-
806	Hospitals . . . . .	-	1,681.6	1,680.9	1,577.4	1,583.3	-	-	-	-	-
81	Legal services . . . . .	-	211.0	211.2	199.0	204.0	-	-	-	-	-
82	Educational services . . . . .	998.7	896.0	907.3	969.7	865.4	-	-	-	-	-
821	Elementary and secondary schools . . . . .	-	296.3	297.1	331.9	287.8	-	-	-	-	-
822	Colleges and universities . . . . .	-	520.6	532.3	557.2	501.2	-	-	-	-	-
89	Miscellaneous services . . . . .	-	580.4	579.0	541.9	549.3	-	-	-	-	-
891	Engineering & architectural services . . . . .	-	299.4	299.8	286.1	292.4	-	-	-	-	-
892	Nonprofit research agencies . . . . .	-	88.9	88.5	85.6	85.3	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2: Employees on nonagricultural payrolls, by industry--Continued

		(In thousands)									
SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<b>GOVERNMENT.....</b>	12,201	11,768	11,848	11,615	11,240					
91	<b>FEDERAL GOVERNMENT<sup>5</sup>.....</b>	2,727	2,795	2,844	2,707	2,784					
	Executive.....	-	2,759.9	2,808.4	2,673.0	2,749.3	-	-	-	-	-
	Department of Defense.....	-	1,136.5	1,159.9	1,104.7	1,135.5	-	-	-	-	-
	Post Office Department.....	-	731.5	734.1	701.4	715.2	-	-	-	-	-
	Other agencies.....	-	891.9	914.4	866.9	898.6	-	-	-	-	-
	Legislative.....	-	28.8	28.9	27.6	28.5	-	-	-	-	-
	Judicial.....	-	6.6	6.6	6.3	6.3	-	-	-	-	-
92,93	<b>STATE AND LOCAL GOVERNMENT.....</b>	9,474	8,973	9,004	8,908	8,456					
92	State government.....	-	2,336.1	2,349.6	2,293.7	2,255.7	-	-	-	-	-
	State education.....	-	789.2	812.4	820.3	751.8	-	-	-	-	-
	Other State government.....	-	1,546.9	1,537.2	1,473.4	1,503.9	-	-	-	-	-
93	Local government.....	-	6,636.4	6,654.5	6,613.9	6,200.5	-	-	-	-	-
	Local education.....	-	3,453.5	3,477.1	3,697.6	3,196.9	-	-	-	-	-
	Other local government.....	-	3,182.9	3,177.4	2,916.3	3,003.6	-	-	-	-	-

<sup>1</sup>Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities; and services. Transportation and public utilities, and services are included in Total Private but are not shown separately in this table.

<sup>2</sup>Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more.

<sup>3</sup>Data for nonsupervisory workers exclude messengers.

<sup>4</sup>Data for nonoffice salesmen excluded from nonsupervisory count for all series in this division.

<sup>5</sup>Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

\*Not available.

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

B-4: Indexes of employment on nonagricultural payrolls, by industry division,  
1919 to date, monthly data seasonally adjusted

1957=100

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.3	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	55.7	60.3	95.6	54.1	-	-	54.0	45.9	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.2	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.4	60.5	58.9
1942.....	76.4	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.2	69.9	100.0	58.1
1943.....	80.8	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	77.5	131.2	56.4
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	77.0	132.2	55.3
1945.....	76.9	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.8	126.8	55.7
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.4	71.3	101.8	59.3
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.2	69.8	85.5	63.6
1948.....	85.5	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	72.0	84.1	67.2
1949.....	83.4	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.3	74.6	86.2	70.1
1950.....	86.1	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.8	87.1	72.8
1951.....	91.1	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	81.4	104.0	72.6
1952.....	93.0	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	84.2	109.3	74.4
1953.....	95.6	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.7	104.1	77.1
1954.....	93.3	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.0	86.0	98.8	81.0
1955.....	96.5	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	88.1	98.8	83.9
1956.....	99.8	106.8	103.9	104.1	99.4	99.4	99.6	99.4	96.0	94.8	92.7	99.8	90.0
1957.....	100.7	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	97.1	100.1	95.9
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.7	99.9	99.0	100.3
1959.....	101.5	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.4	103.0	100.9	103.9
1960.....	103.3	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.7	106.5	102.5	108.0
1961.....	102.9	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	111.2	109.5	102.9	112.1
1962.....	105.9	84.4	100.5	101.5	95.8	105.9	105.5	106.1	110.7	116.4	113.3	105.7	116.3
1963.....	108.0	82.5	102.6	102.4	95.8	107.8	107.2	108.1	113.7	120.7	117.6	106.2	121.9
1964.....	111.1	82.3	105.6	104.1	96.9	111.3	110.1	111.8	116.9	126.3	122.3	106.1	128.7
1965.....	115.8	82.1	110.4	108.8	99.0	116.4	114.4	117.2	119.5	131.8	128.6	107.4	137.0
1966.....	121.9	81.4	113.4	115.8	101.8	121.3	118.7	122.2	122.5	138.5	138.6	115.8	147.5
1967.....	125.7	80.0	110.9	117.1	104.8	124.6	122.2	125.5	127.2	145.9	148.0	122.8	158.0
1967: September..	125.9	78.7	110.2	116.2	105.0	125.3	122.7	126.2	128.5	147.0	149.1	122.8	159.4
October.....	126.2	78.3	110.3	116.3	104.7	125.7	122.9	126.7	128.9	147.5	150.0	122.8	160.7
November.....	127.1	78.3	111.3	117.6	105.4	126.3	123.8	127.2	129.4	148.9	150.5	121.6	161.9
December.....	127.7	78.3	113.4	118.0	105.5	126.3	123.7	130.0	127.3	149.6	151.5	122.4	163.0
1968: January....	127.7	78.4	107.6	118.2	105.9	126.5	123.8	127.5	130.1	149.8	152.7	122.9	164.4
February.....	128.7	79.0	117.4	118.2	106.5	127.5	125.0	128.4	130.6	150.9	153.2	122.9	165.1
March.....	128.8	79.1	115.3	118.1	106.3	128.2	125.4	129.2	130.9	151.1	153.6	122.8	165.7
April.....	129.0	82.1	114.8	118.4	106.3	128.3	125.7	129.2	131.3	150.9	154.1	122.7	166.4
May.....	129.1	81.9	112.4	118.6	105.0	128.6	126.2	129.5	131.8	151.2	154.7	122.9	167.1
June.....	129.5	82.1	109.9	119.2	106.4	129.0	127.0	129.7	131.8	151.8	155.9	126.2	167.6
July.....	129.8	82.9	110.5	119.1	106.6	129.3	127.1	130.1	132.4	152.3	156.2	125.9	168.1
August.....	130.1	82.9	110.5	119.1	107.1	129.8	127.2	130.8	133.5	153.0	156.5	124.3	169.1
September.....	130.3	82.2	112.0	119.0	107.4	130.0	127.6	130.9	134.0	153.5	156.6	123.7	169.6

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

Data for the 2 most recent months are preliminary.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

### B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted

(In thousands)

Industry division and group	1966									1967			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL</b> .....	68,458	68,335	68,170	68,039	67,792	67,755	67,656	67,600	67,058	67,060	66,778	66,286	66,123
<b>MINING</b> .....	633	638	638	632	631	632	609	608	604	603	603	603	606
<b>CONTRACT CONSTRUCTION</b> .....	3,233	3,190	3,189	3,174	3,245	3,313	3,330	3,388	3,107	3,275	3,214	3,184	3,182
<b>MANUFACTURING</b> .....	19,752	19,760	19,776	19,777	19,693	19,657	19,607	19,612	19,612	19,593	19,518	19,302	19,285
<b>DURABLE GOODS</b> .....	11,581	11,578	11,619	11,571	11,545	11,533	11,495	11,514	11,541	11,498	11,463	11,264	11,272
Ordnance and accessories .....	352	351	349	344	338	337	336	334	334	334	333	330	327
Lumber and wood products .....	597	598	597	592	594	599	607	612	605	605	598	597	592
Furniture and fixtures .....	476	476	471	474	471	468	466	466	465	464	457	454	450
Stone, clay, and glass products .....	642	644	642	642	640	641	591	609	638	640	631	626	621
Primary metal industries .....	1,293	1,297	1,314	1,310	1,322	1,320	1,304	1,305	1,306	1,306	1,306	1,284	1,285
Fabricated metal products .....	1,387	1,385	1,385	1,386	1,376	1,373	1,374	1,369	1,374	1,374	1,360	1,341	1,339
Machinery, except electrical .....	1,952	1,954	1,944	1,951	1,949	1,949	1,960	1,957	1,962	1,942	1,977	1,929	1,964
Electrical equipment .....	1,970	1,964	1,962	1,960	1,963	1,955	1,957	1,965	1,965	1,962	1,959	1,935	1,927
Transportation equipment .....	2,023	2,018	2,070	2,031	2,013	2,015	2,018	2,015	2,007	1,993	1,968	1,897	1,895
Instruments and related products .....	452	452	446	448	447	448	449	450	450	450	449	447	447
Miscellaneous manufacturing .....	437	439	439	433	432	428	433	432	435	428	425	424	425
<b>NONDURABLE GOODS</b> .....	8,171	8,182	8,157	8,206	8,148	8,124	8,112	8,098	8,071	8,095	8,055	8,038	8,013
Food and kindred products .....	1,766	1,773	1,777	1,797	1,778	1,783	1,777	1,773	1,775	1,786	1,780	1,783	1,783
Tobacco manufactures .....	87	89	87	87	87	81	87	87	85	93	90	86	84
Textile mill products .....	986	990	987	990	982	979	979	981	972	970	963	961	957
Apparel and other textile products .....	1,422	1,413	1,416	1,433	1,422	1,417	1,408	1,403	1,399	1,407	1,399	1,396	1,392
Paper and allied products .....	698	702	697	699	696	692	690	690	688	687	684	683	680
Printing and publishing .....	1,064	1,067	1,064	1,062	1,061	1,058	1,058	1,055	1,054	1,054	1,053	1,049	1,049
Chemicals and allied products .....	1,039	1,036	1,033	1,030	1,023	1,020	1,024	1,023	1,021	1,021	1,014	1,013	1,006
Petroleum and coal products .....	187	188	188	188	186	185	186	186	185	185	185	185	184
Rubber and plastics products, nec .....	567	567	559	559	552	550	546	545	537	537	535	531	530
Leather and leather products .....	355	357	349	361	361	359	357	355	355	355	352	351	348
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,377	4,365	4,346	4,336	4,281	4,331	4,332	4,342	4,317	4,302	4,297	4,267	4,278
<b>WHOLESALE AND RETAIL TRADE</b> .....	14,199	14,179	14,117	14,086	14,049	14,009	13,999	13,920	13,818	13,793	13,791	13,729	13,684
<b>WHOLESALE TRADE</b> .....	3,696	3,684	3,680	3,679	3,655	3,641	3,632	3,619	3,586	3,581	3,584	3,560	3,554
<b>RETAIL TRADE</b> .....	10,503	10,495	10,437	10,407	10,394	10,368	10,367	10,301	10,232	10,212	10,207	10,169	10,130
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,389	3,377	3,350	3,335	3,334	3,323	3,311	3,304	3,291	3,289	3,273	3,261	3,251
<b>SERVICES</b> .....	10,587	10,550	10,498	10,467	10,425	10,402	10,415	10,405	10,331	10,316	10,270	10,171	10,139
Hotels and other lodging places .....	732	717	722	717	717	715	729	721	713	713	711	704	699
Personal services .....	1,018	1,019	1,018	1,023	1,019	1,019	1,023	1,026	1,022	1,023	1,028	1,022	1,021
Medical and other health services .....	2,684	2,678	2,660	2,649	2,625	2,603	2,585	2,572	2,558	2,540	2,518	2,498	2,484
Educational services .....	1,027	1,031	1,026	1,028	1,048	1,046	1,046	1,044	1,035	1,033	1,025	1,014	998
<b>GOVERNMENT</b> .....	12,288	12,276	12,256	12,232	12,134	12,088	12,053	12,021	11,978	11,889	11,812	11,769	11,698
<b>FEDERAL</b> .....	2,738	2,751	2,788	2,795	2,721	2,717	2,718	2,721	2,721	2,709	2,692	2,718	2,718
<b>STATE AND LOCAL</b> .....	9,550	9,525	9,468	9,437	9,413	9,371	9,335	9,300	9,257	9,180	9,120	9,051	8,980

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-6: Production workers in industrial and construction activities<sup>1</sup> seasonally adjusted

(In thousands)

Major industry group	1968									1967			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL . . . . .</b>	17,654	17,661	17,686	17,676	17,672	17,733	17,673	17,738	17,459	17,631	17,512	17,287	17,263
<b>MINING . . . . .</b>	483	487	487	483	484	483	463	464	458	459	458	460	462
<b>CONTRACT CONSTRUCTION . . . . .</b>	2,722	2,682	2,687	2,670	2,739	2,811	2,824	2,881	2,596	2,772	2,716	2,689	2,685
<b>MANUFACTURING . . . . .</b>	14,449	14,492	14,512	14,523	14,449	14,439	14,386	14,393	14,405	14,400	14,338	14,138	14,116
<b>DURABLE GOODS . . . . .</b>	8,390	8,417	8,458	8,424	8,401	8,406	8,371	8,382	8,420	8,389	8,362	8,174	8,179
Ordnance and accessories . . . . .	200	201	200	198	193	192	191	190	190	187	187	185	182
Lumber and wood products . . . . .	517	519	517	514	516	520	528	531	527	525	519	517	514
Furniture and fixtures . . . . .	393	393	389	392	389	387	385	385	385	382	375	374	370
Stone, clay, and glass products . . . . .	515	518	516	517	514	517	463	479	511	511	504	497	491
Primary metal industries . . . . .	1,021	1,029	1,044	1,042	1,054	1,054	1,038	1,040	1,042	1,045	1,043	1,023	1,020
Fabricated metal products . . . . .	1,066	1,067	1,068	1,070	1,060	1,059	1,062	1,056	1,062	1,063	1,049	1,034	1,029
Machinery, except electrical . . . . .	1,324	1,331	1,322	1,334	1,331	1,332	1,346	1,344	1,343	1,331	1,366	1,325	1,361
Electrical equipment and supplies . . . . .	1,315	1,314	1,308	1,305	1,312	1,310	1,311	1,316	1,319	1,319	1,315	1,294	1,289
Transportation equipment . . . . .	1,418	1,422	1,478	1,438	1,419	1,425	1,429	1,423	1,420	1,411	1,390	1,315	1,311
Instruments and related products . . . . .	278	278	272	275	275	275	278	279	279	280	279	277	277
Miscellaneous manufacturing industries . . . . .	343	345	344	339	338	335	340	339	342	335	335	333	335
<b>NONDURABLE GOODS . . . . .</b>	6,059	6,075	6,054	6,099	6,048	6,033	6,015	6,011	5,985	6,011	5,976	5,964	5,937
Food and kindred products . . . . .	1,174	1,182	1,185	1,204	1,185	1,191	1,181	1,178	1,181	1,191	1,183	1,186	1,183
Tobacco manufactures . . . . .	74	77	74	73	73	68	74	74	73	79	77	74	71
Textile mill products . . . . .	873	877	876	877	871	868	867	870	861	860	853	851	848
Apparel and other textile products . . . . .	1,254	1,246	1,249	1,265	1,256	1,251	1,243	1,240	1,233	1,243	1,238	1,235	1,231
Paper and allied products . . . . .	542	546	542	542	538	536	534	535	534	533	530	529	525
Printing and publishing . . . . .	665	667	665	664	665	663	662	662	660	662	661	660	661
Chemicals and allied products . . . . .	615	615	610	609	603	602	607	606	605	604	600	600	593
Petroleum and coal products . . . . .	118	119	119	118	118	117	117	117	117	117	116	116	116
Rubber and plastics products, n e c . . . . .	438	439	433	435	427	426	422	422	415	415	413	410	408
Leather and leather products . . . . .	306	307	301	312	312	311	308	307	306	307	305	303	301

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
1	ALABAMA	961.4	957.2	953.0	8.2	7.9	8.5	54.1	53.2	54.6	305.5	302.1	302.8
2	Birmingham	246.9	246.2	243.6	5.0	5.2	5.7	13.8	13.5	13.6	70.0	70.2	70.4
3	Huntsville	76.4	76.7	78.8	(1)	(1)	(1)	2.8	2.8	3.1	11.7	11.8	12.1
4	Mobile	102.0	102.5	100.6	(1)	(1)	(1)	6.3	6.3	6.4	23.2	23.3	21.9
5	Montgomery	65.9	65.5	65.5	(1)	(1)	(1)	5.6	5.7	5.4	10.2	10.1	10.3
6	Tuscaloosa	33.9	33.9	32.9	(1)	(1)	(1)	2.5	2.5	2.4	9.6	9.7	9.2
7	ALASKA <sup>2</sup>	92.8	90.3	86.9	2.8	2.6	2.4	9.0	8.6	8.3	13.3	11.8	9.5
8	ARIZONA	464.0	465.3	434.0	17.8	17.8	8.2	25.4	25.6	24.0	84.3	84.7	77.7
9	Phoenix	272.3	273.2	258.3	.3	.3	.3	14.1	14.3	14.5	67.4	67.8	60.6
10	Tucson	86.9	87.2	82.9	4.9	4.8	3.5	6.5	6.7	5.1	7.5	7.7	8.7
11	ARKANSAS	522.3	519.3	506.2	4.7	4.9	4.9	37.3	36.4	36.1	163.0	159.8	157.7
12	Fayetteville	24.0	23.8	23.1	(1)	(1)	(1)	2.0	2.1	1.5	7.4	7.1	7.3
13	Fort Smith	41.7	41.8	42.8	.5	.5	.5	2.6	2.6	4.0	14.7	14.9	14.6
14	Little Rock-North Little Rock	119.2	119.7	116.9	(1)	(1)	(1)	9.7	10.0	9.8	25.0	24.7	24.7
15	Pine Bluff <sup>2</sup>	24.6	24.6	24.3	(1)	(1)	(1)	1.7	1.8	2.2	5.8	5.8	5.7
16	CALIFORNIA	6,662.7	6,613.9	6,430.7	33.8	33.5	32.9	306.5	301.2	294.7	1,655.3	1,622.4	1,620.1
17	Anaheim-Santa Ana-Garden Grove	373.9	369.3	355.8	2.0	2.0	2.0	19.9	19.4	16.4	125.1	124.3	127.6
18	Bakersfield <sup>2</sup>	90.4	91.6	88.1	7.5	7.4	7.8	5.1	5.0	4.7	8.5	8.5	8.6
19	Fresno <sup>2</sup>	113.8	113.8	112.2	.7	.7	.8	6.0	5.8	5.6	19.1	18.1	18.0
20	Los Angeles-Long Beach	2,777.6	2,776.7	2,705.7	10.4	10.3	10.3	106.7	105.2	102.8	864.6	868.3	861.5
21	Oxnard-Ventura	84.8	83.8	78.9	2.4	2.4	2.3	3.5	3.4	3.2	14.2	13.5	12.5
22	Sacramento <sup>2</sup>	258.4	254.6	249.1	.3	.3	.3	12.5	12.1	12.6	28.5	25.3	27.3
23	San Bernardino-Riverside-Ontario	264.0	262.7	255.1	2.3	2.3	2.0	12.3	12.1	11.3	49.9	49.6	47.7
24	San Diego	339.0	336.5	317.8	.4	.4	.4	16.5	16.4	14.2	65.1	64.6	58.4
25	San Francisco-Oakland	1,217.7	1,211.1	1,173.2	1.6	1.6	1.5	63.6	63.3	62.4	208.3	203.7	203.1
26	San Jose	359.0	349.7	339.4	.4	.3	.1	17.9	17.4	16.9	131.1	122.8	126.8
27	Santa Barbara	74.9	75.3	72.6	1.4	1.4	1.3	3.9	3.9	3.5	9.8	10.0	10.3
28	Santa Rosa	46.8	44.7	43.1	.2	.2	.2	2.4	2.5	2.4	8.6	6.9	6.9
29	Stockton <sup>2</sup>	91.7	86.4	85.7	.1	.1	.1	4.2	4.0	4.3	21.2	16.0	17.3
30	Vallejo-Napa	67.3	67.0	65.1	.3	.3	.3	2.9	2.7	2.1	8.1	7.7	7.5
31	COLORADO	680.7	679.6	660.6	13.0	13.1	13.2	37.6	36.8	37.7	108.7	107.4	105.4
32	Denver	430.0	429.2	418.0	4.3	4.2	3.9	23.9	23.3	24.2	78.1	77.5	76.1
33	CONNECTICUT	1,147.1	1,156.6	1,135.4	(3)	(3)	(3)	57.0	57.1	56.2	468.0	474.5	477.0
34	Bridgeport	151.1	150.4	148.6	(3)	(3)	(3)	6.4	6.1	6.0	78.7	78.3	77.9
35	Hartford	308.0	308.8	303.0	(3)	(3)	(3)	13.1	12.8	12.7	110.7	112.1	112.0
36	New Britain	45.7	46.0	45.2	(3)	(3)	(3)	2.0	2.0	1.9	24.8	25.1	25.2
37	New Haven	152.2	152.2	151.3	(3)	(3)	(3)	8.3	8.1	8.3	46.3	46.0	47.1
38	Stamford	77.0	76.9	74.2	(3)	(3)	(3)	4.1	4.1	4.1	27.0	26.8	25.9
39	Waterbury	79.2	77.8	77.8	(3)	(3)	(3)	3.2	3.1	2.9	41.5	40.3	41.7
40	DELAWARE	199.8	202.6	197.4	(1)	(1)	(1)	15.5	15.2	14.1	71.0	73.4	70.6
41	Wilmington	179.4	182.9	178.0	(1)	(1)	(1)	11.9	11.6	11.4	67.4	70.4	68.0
42	DISTRICT OF COLUMBIA <sup>4</sup>	(*)	692.0	681.1	(*)	(1)	(1)	(*)	19.3	22.1	(*)	21.1	21.4
43	Washington SMSA	(*)	1,082.2	1,054.9	(*)	(1)	(1)	(*)	62.1	65.6	(*)	45.3	43.1
44	FLORIDA	1,855.2	1,851.3	1,779.6	8.7	8.9	9.2	142.9	139.3	132.4	291.4	290.5	285.5
45	Fort Lauderdale-Hollywood	134.4	133.4	120.0	(1)	(1)	(1)	17.0	16.5	14.0	17.2	16.9	14.7
46	Jacksonville	180.8	180.4	176.2	(1)	(1)	(1)	10.9	10.8	11.7	24.6	24.4	24.3
47	Miami	411.3	411.8	398.6	(1)	(1)	(1)	25.6	25.3	24.1	62.8	63.2	62.2
48	Orlando	116.8	117.0	109.6	(1)	(1)	(1)	9.4	9.4	8.9	20.4	20.7	19.0
49	Pensacola	62.8	62.4	60.0	(1)	(1)	(1)	5.1	5.0	4.4	13.4	13.4	13.6
50	Tampa-St. Petersburg	262.1	258.9	251.8	(1)	(1)	(1)	17.8	17.5	18.3	48.4	46.8	46.1
51	West Palm Beach	87.3	86.2	79.3	(1)	(1)	(1)	8.2	7.5	7.0	17.8	17.7	15.2
52	GEORGIA	1,436.9	1,431.9	1,392.4	6.8	6.8	6.6	82.6	82.6	78.0	447.5	446.1	438.9
53	Atlanta	553.9	555.2	532.3	(1)	(1)	(1)	35.7	36.2	33.5	115.7	120.1	113.4

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
55.1	55.3	54.1	182.2	181.6	180.4	40.9	40.9	40.3	126.3	126.2	127.0	189.1	190.0	185.3	1
19.1	19.2	18.4	56.0	55.7	55.6	16.8	16.7	16.5	33.0	33.0	32.1	32.6	32.7	31.3	2
1.8	1.8	1.8	12.1	12.1	11.6	1.8	1.8	1.8	18.1	18.2	20.6	28.1	28.2	27.8	3
9.7	10.2	9.4	24.3	24.3	24.7	4.6	4.7	4.6	16.2	16.1	15.8	17.7	17.6	17.8	4
4.5	4.5	4.4	14.3	14.1	14.5	4.3	4.3	4.1	9.8	9.7	9.7	17.2	17.1	17.1	5
1.6	1.6	1.5	5.7	5.7	5.5	1.2	1.2	1.0	3.0	2.9	3.0	10.3	10.3	10.3	6
8.6	8.5	8.5	12.7	12.5	12.6	2.5	2.5	2.4	10.5	10.5	9.8	33.4	33.3	33.4	7
27.1	27.0	26.4	104.2	104.1	101.2	23.6	23.6	23.1	75.8	76.0	73.3	105.8	106.5	100.1	8
15.3	15.3	14.8	64.9	64.8	62.5	17.2	17.3	16.9	42.4	42.5	41.7	50.7	50.9	47.0	9
5.3	5.3	5.3	18.8	18.8	18.2	3.6	3.6	3.5	16.1	16.1	15.4	24.2	24.2	23.2	10
30.6	30.4	31.6	101.4	101.7	100.8	20.6	20.6	19.5	71.4	71.5	68.6	93.3	94.0	87.0	11
1.8	1.9	1.8	4.8	4.8	4.8	.5	.5	.5	2.7	2.7	2.6	4.7	4.8	4.5	12
2.7	2.7	2.6	8.6	8.6	8.5	1.3	1.3	1.3	6.0	6.0	6.0	5.3	5.2	5.3	13
9.3	9.2	9.4	25.4	25.4	24.4	8.5	8.6	8.3	18.5	18.5	18.2	22.8	23.2	22.1	14
3.1	3.1	3.2	4.6	4.6	4.3	.9	.9	.8	3.1	3.1	3.0	5.4	5.4	5.0	15
457.1	454.2	440.8	1,420.4	1,414.6	1,371.9	339.3	337.8	325.9	1,154.2	1,149.2	1,107.8	1,296.1	1,301.0	1,236.6	16
11.8	11.7	11.1	84.3	82.2	75.8	15.7	15.6	14.6	59.7	59.2	57.8	55.4	54.9	50.5	17
6.2	6.3	6.4	20.7	21.4	19.8	2.9	2.9	2.8	13.7	14.0	13.3	25.8	26.1	24.7	18
8.4	8.4	8.6	31.5	32.4	32.4	5.5	5.5	4.9	19.9	19.7	19.2	22.7	23.2	22.7	19
172.2	171.2	165.4	591.2	591.1	576.6	153.9	153.4	148.8	505.1	502.7	484.9	373.5	374.5	355.4	20
3.9	3.8	3.8	18.4	18.4	17.6	2.7	2.7	2.6	12.6	12.5	12.1	27.1	27.1	24.8	21
19.0	18.6	18.4	52.2	51.4	50.1	10.1	10.0	10.0	34.9	34.9	32.8	100.9	102.0	97.6	22
18.3	18.3	18.2	58.5	57.5	55.9	9.2	9.1	8.9	46.7	46.5	45.2	66.8	67.3	65.9	23
19.0	18.8	18.2	71.4	70.6	68.3	14.7	14.6	13.9	63.3	62.8	62.0	88.6	88.3	82.4	24
133.2	131.8	126.5	258.4	257.6	249.7	88.3	88.0	84.9	200.9	200.7	194.0	263.4	264.4	251.1	25
15.7	15.6	14.6	61.7	61.2	57.8	11.8	11.6	11.0	69.3	69.0	63.8	51.1	51.8	48.4	26
3.7	3.7	3.7	17.2	17.2	16.5	2.7	2.7	2.7	18.2	18.1	17.4	18.0	18.3	17.2	27
2.7	2.6	2.6	11.1	10.9	10.6	3.1	3.1	3.1	7.4	7.3	7.1	11.3	11.2	10.2	28
6.9	7.0	7.2	18.8	18.4	18.2	2.9	2.9	2.8	14.0	13.9	12.6	23.6	24.1	23.2	29
3.6	3.6	3.6	11.5	11.5	11.3	1.7	1.7	1.7	9.5	9.5	8.8	29.7	30.0	29.8	30
48.9	49.2	47.8	160.9	160.3	153.1	35.2	35.1	33.7	117.3	117.6	115.3	159.1	160.1	154.4	31
33.9	34.1	33.0	109.2	108.7	102.6	26.6	26.4	25.5	78.7	79.4	77.2	75.3	75.6	75.5	32
49.5	49.4	48.9	208.8	209.3	201.7	67.7	66.9	65.2	161.5	162.4	157.2	134.7	137.2	129.2	33
6.0	6.0	5.8	25.8	25.7	25.3	4.4	4.4	4.3	18.1	18.0	17.7	11.9	11.9	11.7	34
10.7	10.8	10.5	57.5	58.0	54.5	39.7	38.9	38.1	40.9	40.8	39.9	35.4	35.5	35.3	35
1.8	1.8	1.7	7.4	7.4	7.0	1.1	1.1	1.1	4.7	4.6	4.6	3.9	3.9	3.8	36
14.0	14.1	14.0	29.7	30.0	29.4	7.9	7.8	7.5	28.6	28.7	28.4	17.3	17.5	16.6	37
2.9	2.9	2.7	15.9	15.9	15.7	3.7	3.7	3.4	16.0	16.2	15.2	7.5	7.4	7.2	38
3.0	3.0	2.9	12.0	11.9	11.2	2.0	2.0	1.9	9.9	9.9	9.6	7.6	7.6	7.5	39
11.1	11.3	10.8	38.5	38.6	39.1	8.7	8.7	8.4	26.6	27.3	27.0	28.4	28.1	27.4	40
9.7	9.9	9.5	32.9	33.1	33.0	7.8	7.7	7.5	25.2	26.0	24.7	24.5	24.2	23.9	41
(*)	31.4	31.4	(*)	82.9	86.5	(*)	32.8	32.1	(*)	125.3	129.4	(*)	379.2	358.2	42
(*)	61.8	58.4	(*)	200.0	199.5	(*)	63.6	61.5	(*)	216.7	217.9	(*)	432.7	408.9	43
134.5	134.5	128.7	482.5	481.8	466.7	112.5	111.6	106.8	332.9	334.0	320.6	349.8	350.7	329.7	44
6.6	6.4	6.3	37.5	37.5	34.6	8.8	8.7	8.1	26.1	26.4	23.9	21.2	21.0	18.4	45
19.6	19.7	18.7	51.9	51.5	49.9	16.1	16.1	15.9	26.5	26.4	25.7	31.2	31.5	30.0	46
49.9	49.5	46.0	109.9	110.1	107.4	27.7	27.5	27.2	86.8	87.1	83.6	48.6	49.1	48.1	47
6.9	6.8	6.4	33.4	33.5	31.5	8.0	7.9	7.5	20.2	20.3	18.7	18.5	18.4	17.6	48
3.3	3.3	3.3	13.5	13.3	12.9	2.5	2.5	2.4	7.5	7.5	7.4	17.5	17.4	16.0	49
18.3	18.2	18.1	77.0	76.1	73.1	15.4	15.5	15.0	45.7	45.5	43.8	39.5	39.3	37.4	50
4.0	3.9	4.0	22.0	22.1	20.0	5.3	5.3	5.1	15.6	15.4	14.6	14.4	14.3	13.4	51
101.1	99.4	96.0	299.4	295.9	289.9	68.1	68.4	67.2	162.8	162.5	157.8	268.6	270.2	258.0	52
54.8	54.2	51.3	146.7	144.1	138.5	38.4	38.5	38.3	79.1	78.9	77.3	83.5	83.2	80.0	53

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
	<b>GEORGIA (continued)</b>												
1	Augusta .....	84.6	84.4	82.1	(1)	(1)	(1)	5.0	5.0	5.1	31.7	31.4	30.2
2	Columbus .....	67.7	68.5	67.3	(1)	(1)	(1)	4.0	4.0	4.1	19.5	19.6	18.9
3	Macon .....	73.5	74.2	74.2	(1)	(1)	(1)	4.3	4.5	4.4	14.7	14.8	15.7
4	Savannah .....	64.5	63.9	62.3	(1)	(1)	(1)	3.5	3.6	3.8	17.5	16.7	16.7
5	<b>HAWAII</b> .....	257.3	263.6	249.7	(1)	(1)	(1)	19.9	19.9	18.0	26.7	32.2	30.4
6	Honolulu .....	217.9	223.3	211.3	(1)	(1)	(1)	17.5	17.5	15.7	19.1	23.8	22.2
7	<b>IDAHO</b> <sup>2</sup> .....	198.4	194.3	194.3	3.6	3.6	3.3	11.5	11.2	12.0	37.4	34.8	35.2
8	Boise <sup>2</sup> .....	37.1	36.7	35.9	(1)	(1)	(1)	2.2	2.1	2.0	4.2	4.1	3.9
9	<b>ILLINOIS</b> .....	4,293.6	4,281.6	4,251.6	25.1	25.1	25.5	203.3	201.0	196.2	1,386.8	1,381.7	1,402.2
10	Chicago <sup>5</sup> .....	2,967.2	2,959.4	2,947.2	6.0	6.0	6.0	126.1	123.8	121.4	966.8	965.6	976.1
11	Chicago-Northwestern Indiana ..	(*)	3,176.1	3,162.4	(*)	6.1	6.1	(*)	137.2	136.0	(*)	1,074.9	1,083.0
12	Davenport-Rock Island-Moline ..	(*)	133.2	137.1	(*)	(3)	(3)	(*)	8.4	7.7	(*)	43.9	51.9
13	Peoria .....	(*)	127.2	123.1	(*)	(3)	(3)	(*)	8.6	8.1	(*)	47.9	46.5
14	Rockford .....	(*)	109.9	108.0	(*)	(3)	(3)	(*)	5.0	5.0	(*)	58.3	58.4
15	<b>INDIANA</b> .....	1,812.2	1,805.3	1,777.9	7.8	8.0	7.5	104.3	100.9	97.1	718.6	712.3	715.6
16	Evansville .....	84.0	81.9	85.4	1.7	1.7	1.7	4.1	4.0	4.2	32.5	30.8	33.2
17	Fort Wayne .....	112.2	112.3	110.1	(1)	(1)	(1)	5.6	5.9	5.4	44.2	43.9	44.1
18	Gary-Hammond-East Chicago <sup>5</sup> ..	212.4	216.4	215.2	(1)	(1)	(1)	13.6	13.4	14.9	105.0	108.9	106.9
19	Indianapolis .....	416.8	414.1	408.7	(1)	(1)	(1)	20.3	20.1	20.7	136.0	133.7	135.9
20	Muncie .....	42.9	42.4	42.6	(1)	(1)	(1)	1.8	1.7	1.7	17.9	17.4	18.7
21	South Bend .....	97.6	97.1	97.2	(1)	(1)	(1)	4.3	4.2	4.3	37.3	37.1	37.7
22	Terre Haute .....	51.1	51.0	50.4	.8	.8	.8	2.2	2.2	2.3	14.4	14.3	14.6
23	<b>IOWA</b> .....	869.8	867.4	850.5	3.6	3.6	3.6	47.7	47.6	49.3	223.9	221.4	224.3
24	Cedar Rapids .....	65.5	66.1	64.4	(1)	(1)	(1)	3.7	3.6	3.5	27.0	27.7	27.9
25	Des Moines .....	123.0	122.8	118.7	(1)	(1)	(1)	6.4	6.3	5.7	26.2	25.7	24.6
26	Dubuque .....	31.1	31.1	29.3	(1)	(1)	(1)	1.7	1.7	1.7	13.0	13.0	12.1
27	Sioux City .....	40.9	40.8	40.9	(1)	(1)	(1)	2.1	2.2	2.6	10.1	10.0	10.2
28	Waterloo .....	48.4	48.5	49.2	(1)	(1)	(1)	1.9	1.9	2.2	20.2	20.5	21.7
29	<b>KANSAS</b> .....	662.4	671.1	650.0	11.1	11.2	12.0	40.8	40.6	33.6	140.3	145.0	143.1
30	Topeka .....	60.3	59.7	58.5	.1	.1	.1	4.4	4.2	3.8	8.8	8.9	8.6
31	Wichita .....	148.3	149.4	148.9	2.7	2.6	2.5	7.9	7.9	6.4	52.0	52.6	55.6
32	<b>KENTUCKY</b> .....	855.0	849.9	836.1	26.1	28.0	28.7	59.0	53.3	52.5	232.9	231.7	228.1
33	Lexington .....	78.1	77.7	72.4	(1)	(1)	(1)	5.6	5.7	4.4	17.3	17.1	16.4
34	Louisville .....	316.3	311.0	300.6	(1)	(1)	(1)	17.9	15.0	17.4	115.9	112.9	107.1
35	<b>LOUISIANA</b> .....	1,040.6	1,040.1	1,019.7	53.2	52.9	52.2	93.3	93.4	86.8	180.5	179.9	176.3
36	Baton Rouge .....	109.7	109.3	97.0	.6	.6	.5	22.5	22.2	14.4	18.3	18.3	18.1
37	Lake Charles .....	42.2	42.6	36.9	1.3	1.3	1.3	7.5	7.9	3.4	8.9	8.9	8.5
38	Monroe .....	37.0	37.0	34.9	.5	.5	.5	4.3	4.4	4.2	6.4	6.4	6.1
39	New Orleans .....	368.1	368.3	365.3	14.5	14.5	13.9	26.8	26.8	27.2	58.8	59.6	58.3
40	Shreveport .....	90.3	90.7	87.0	4.7	4.8	4.7	6.1	6.2	6.3	15.9	15.9	13.9
41	<b>MAINE</b> .....	332.8	331.9	328.9	(1)	(1)	(1)	18.6	18.4	17.4	121.4	119.4	121.4
42	Lewiston-Auburn .....	29.1	28.8	28.6	(1)	(1)	(1)	1.3	1.4	1.4	14.4	14.0	14.3
43	Portland .....	63.4	63.0	62.8	(1)	(1)	(1)	3.8	3.7	3.5	15.4	15.3	16.0
44	<b>MARYLAND</b> <sup>4</sup> .....	1,243.0	1,240.1	1,197.9	1.8	1.8	1.8	89.9	89.3	87.9	283.4	282.4	286.0
45	Baltimore .....	784.5	786.1	761.3	.3	.3	.3	47.7	47.4	46.7	206.2	209.2	207.3
46	<b>MASSACHUSETTS</b> .....	2,225.8	2,211.7	2,201.5	(1)	(1)	(1)	102.6	100.0	100.9	692.8	683.4	701.6
47	Boston .....	1,261.2	1,256.0	1,244.0	(1)	(1)	(1)	58.0	55.5	57.2	298.0	295.5	302.8
48	Brockton .....	48.8	48.2	49.1	-	-	-	2.1	2.2	2.0	17.4	16.6	18.3
49	Fall River .....	45.2	44.2	44.8	(1)	(1)	(1)	(1)	(1)	(1)	21.8	20.8	21.5
50	Lawrence-Haverhill .....	78.8	78.1	78.9	(1)	(1)	(1)	2.1	2.0	2.5	39.7	39.0	40.0
51	Lowell <sup>2</sup> .....	50.6	50.2	49.8	(1)	(1)	(1)	2.6	2.6	2.6	19.5	19.1	19.5
52	New Bedford .....	53.1	51.9	52.7	(1)	(1)	(1)	2.1	2.1	2.0	26.4	25.1	25.9
53	Springfield-Chicopee-Holyoke ..	193.4	192.8	193.1	(1)	(1)	(1)	8.6	8.5	8.2	73.8	72.7	74.1
54	Worcester .....	128.1	128.0	128.8	(1)	(1)	(1)	5.8	5.7	5.5	48.4	48.3	50.3

See footnotes at end of table. NOTE: Data for the current month are preliminary.



# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
4.0	4.0	3.8	13.7	13.6	13.0	3.4	3.4	3.2	8.5	8.4	8.9	18.3	18.6	17.9	1
3.4	3.4	3.3	12.6	12.6	12.9	3.6	3.6	3.5	8.0	8.0	8.0	16.6	17.3	16.6	2
3.5	3.4	3.4	12.6	12.7	12.5	3.8	3.8	3.7	7.7	7.8	7.6	26.9	27.2	26.9	3
7.0	7.0	7.0	13.9	14.0	13.3	3.0	3.0	2.9	8.1	8.1	7.6	11.5	11.5	11.0	4
20.0	20.1	19.0	58.4	58.2	55.9	15.5	15.4	14.7	47.2	47.3	44.7	69.6	70.5	67.0	5
17.1	17.1	16.2	50.4	50.2	48.1	14.2	14.1	13.5	38.6	38.7	37.0	61.0	61.9	58.6	6
14.2	14.4	14.4	47.2	46.3	46.6	7.6	7.5	7.4	30.8	30.5	30.0	46.1	46.0	45.4	7
3.1	3.1	3.1	10.2	10.1	10.1	2.5	2.5	2.4	5.7	5.6	5.3	9.2	9.2	9.1	8
284.1	285.0	293.7	928.5	927.5	904.0	222.5	222.8	218.7	654.7	653.0	643.7	588.7	585.5	567.5	9
202.3	203.3	212.2	659.3	659.5	641.9	175.3	175.1	170.9	494.2	489.2	482.1	337.3	336.9	336.7	10
(*)	216.4	225.8	(*)	695.0	676.5	(*)	180.9	176.6	(*)	508.4	501.4	(*)	357.3	356.8	11
(*)	7.4	7.4	(*)	29.3	28.0	(*)	5.2	5.1	(*)	16.9	16.5	(*)	22.1	20.7	12
(*)	6.8	7.3	(*)	27.6	26.8	(*)	4.9	4.9	(*)	17.2	16.4	(*)	14.1	13.2	13
(*)	3.6	3.6	(*)	20.3	19.7	(*)	3.0	2.9	(*)	12.2	11.5	(*)	7.6	6.8	14
97.1	97.1	98.4	348.0	347.7	341.0	70.9	70.9	70.3	196.5	196.9	192.6	269.0	271.5	255.3	15
5.2	5.1	5.3	18.1	18.0	18.5	3.1	3.1	3.1	11.6	11.4	11.7	7.7	7.8	7.7	16
7.7	7.7	7.5	24.9	25.0	24.4	5.6	5.6	5.5	13.8	13.8	13.5	10.4	10.4	9.7	17
13.0	13.1	13.6	35.3	35.5	34.6	5.8	5.8	5.7	19.1	19.1	19.4	20.6	20.6	20.1	18
28.0	28.0	27.6	92.1	91.6	88.2	28.4	28.4	27.5	48.5	48.7	47.1	63.5	63.6	61.7	19
2.2	2.2	2.3	8.1	8.1	8.0	1.4	1.4	1.4	5.0	5.0	4.8	6.5	6.6	5.7	20
4.7	4.7	4.8	20.3	20.3	20.1	4.8	4.8	4.8	15.9	15.7	15.7	10.3	10.3	9.8	21
4.2	4.2	4.3	12.8	12.7	12.6	1.7	1.7	1.7	6.2	6.2	6.0	8.8	8.9	8.1	22
52.1	52.1	51.6	208.5	207.7	200.5	39.6	39.9	38.9	135.3	134.0	129.8	159.1	160.9	152.4	23
3.3	3.2	3.2	13.2	13.2	12.8	3.1	3.1	3.0	9.1	9.0	8.8	6.3	6.4	5.3	24
9.0	9.0	8.9	31.4	31.4	30.8	13.1	13.3	13.1	19.8	19.9	19.5	17.1	17.4	16.2	25
1.7	1.7	1.7	6.2	6.3	6.1	.9	.9	.9	5.5	5.5	5.1	2.3	2.2	1.8	26
3.4	3.4	3.3	11.1	11.0	10.7	2.0	2.0	1.9	7.4	7.3	7.1	5.0	5.0	5.2	27
2.6	2.6	2.5	10.0	10.0	9.6	1.3	1.3	1.3	6.9	6.8	6.5	5.6	5.6	5.5	28
53.3	53.4	53.8	148.6	148.6	145.4	28.6	28.4	27.9	96.6	96.7	93.5	143.1	147.2	140.7	29
7.3	7.4	7.4	12.7	12.3	12.2	3.8	3.8	3.5	9.7	9.6	9.5	13.8	13.7	13.7	30
7.8	7.9	8.0	31.6	31.6	30.9	6.6	6.5	6.5	23.1	23.2	22.4	16.8	17.2	16.7	31
60.7	61.0	59.0	174.7	174.2	171.3	34.1	34.0	32.6	115.5	115.3	114.1	151.9	152.4	149.4	32
3.8	3.8	3.8	14.9	14.6	14.0	3.4	3.4	3.2	11.8	11.8	10.4	21.3	21.5	20.0	33
22.3	22.3	22.2	64.8	64.8	63.0	16.0	15.9	15.2	42.3	42.9	41.4	37.1	37.2	34.2	34
95.2	94.9	93.9	228.8	228.0	224.0	45.3	45.1	45.4	144.7	145.1	145.7	199.6	200.8	195.4	35
5.2	5.2	5.1	21.3	21.4	20.2	5.0	4.9	5.0	12.7	12.7	12.5	24.0	24.0	21.2	36
3.0	3.0	3.0	8.3	8.2	8.1	1.5	1.5	1.4	5.5	5.6	5.5	6.2	6.2	5.7	37
2.2	2.2	2.2	10.0	10.0	9.2	2.1	2.1	1.9	4.9	4.8	4.7	6.6	6.6	6.1	38
47.7	47.5	47.7	87.7	87.4	87.6	21.0	21.1	20.9	62.8	62.6	61.7	48.8	48.9	48.0	39
9.1	9.2	9.1	23.1	22.9	22.5	4.3	4.3	4.3	13.3	13.8	13.3	13.7	13.7	12.9	40
16.5	16.7	17.6	63.8	63.9	62.6	11.6	11.6	11.0	42.9	42.7	42.0	58.0	59.2	56.9	41
.9	.8	.9	5.9	5.9	5.6	.8	.9	.9	4.0	4.0	3.8	1.8	1.8	1.7	42
5.2	5.3	5.5	16.1	16.1	15.9	5.0	5.0	4.6	11.0	10.7	10.7	6.9	6.9	6.6	43
83.3	82.2	78.6	275.5	276.4	263.5	64.4	64.1	61.6	220.3	218.9	206.4	224.4	225.0	212.1	44
59.6	58.7	56.9	162.3	162.5	157.5	41.0	40.8	39.3	126.7	126.2	120.0	140.7	141.0	133.3	45
104.6	104.0	111.5	465.4	464.8	453.4	122.1	122.0	118.0	442.4	442.7	423.5	295.9	294.8	292.6	46
63.7	63.1	70.5	281.3	281.5	272.5	89.1	88.8	86.1	298.6	299.5	284.0	172.1	172.1	170.9	47
2.9	2.9	2.9	11.8	11.9	11.4	1.4	1.4	1.4	5.7	5.7	5.9	7.5	7.5	7.2	48
1.8	1.8	1.8	8.8	8.8	8.6	(1)	(1)	(1)	8.4	8.3	8.5	4.4	4.5	4.4	49
2.0	2.0	2.0	13.4	13.4	13.4	2.2	2.2	2.2	9.6	9.5	9.5	9.8	10.0	9.3	50
1.6	1.6	1.9	10.1	10.2	9.6	1.4	1.4	1.4	8.7	8.6	8.2	6.7	6.7	6.6	51
2.2	2.2	2.5	9.6	9.7	9.6	(1)	(1)	(1)	8.6	8.6	8.5	4.2	4.2	4.2	52
7.3	7.2	8.2	37.9	38.3	37.4	9.2	9.2	8.9	32.6	32.6	31.7	24.0	24.3	24.6	53
5.9	5.9	6.3	24.6	24.7	24.0	6.6	6.6	6.4	21.2	21.2	20.6	15.6	15.6	15.7	54

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
1 MICHIGAN . . . . .	2,831.3	2,821.2	2,807.1	14.0	14.1	14.0	111.5	67.6	130.5	1,067.4	1,095.8	1,068.4
2 Ann Arbor . . . . .	93.4	94.0	89.3	(1)	(1)	(1)	4.0	2.0	4.1	31.8	34.7	30.5
3 Battle Creek . . . . .	57.7	57.4	57.3	(1)	(1)	(1)	2.4	2.0	2.4	26.1	26.2	25.5
4 Bay City . . . . .	29.2	28.5	29.9	(1)	(1)	(1)	1.2	.6	1.6	11.9	11.9	12.6
5 Detroit . . . . .	1,406.8	1,394.9	1,399.9	.9	.9	1.1	53.8	23.9	58.8	557.2	574.8	563.6
6 Flint . . . . .	143.4	148.7	137.1	(1)	(1)	(1)	6.5	3.5	6.9	72.6	80.6	68.0
7 Grand Rapids . . . . .	177.7	175.1	174.4	(1)	(1)	(1)	11.2	10.7	10.3	73.8	71.7	75.1
8 Jackson . . . . .	45.4	45.0	45.7	(1)	(1)	(1)	2.2	1.8	2.2	19.0	19.0	19.8
9 Kalamazoo . . . . .	68.6	67.7	68.2	(1)	(1)	(1)	3.6	2.9	3.6	29.7	29.6	29.9
10 Lansing . . . . .	111.6	120.8	110.3	(1)	(1)	(1)	5.5	4.1	5.7	29.8	38.7	31.0
11 Muskegon-Muskegon Heights . . . . .	50.6	50.3	52.2	(1)	(1)	(1)	1.7	1.7	1.9	26.5	26.4	28.7
12 Saginaw . . . . .	69.2	67.8	67.3	(1)	(1)	(1)	3.5	2.9	4.1	31.7	30.7	30.1
13 MINNESOTA . . . . .	1,265.0	1,256.0	1,231.7	16.2	16.2	15.7	76.4	74.6	74.7	324.4	318.7	310.9
14 Duluth-Superior . . . . .	56.9	56.1	56.4	(1)	(1)	(1)	3.2	3.0	3.1	9.6	9.5	9.5
15 Minneapolis-St. Paul . . . . .	756.8	753.2	731.3	(1)	(1)	(1)	42.1	41.2	40.5	215.7	213.7	203.9
16 MISSISSIPPI . . . . .	549.3	545.9	535.7	5.9	5.9	5.9	34.0	33.3	34.7	175.2	172.4	167.3
17 Jackson . . . . .	82.7	82.7	81.5	.7	.7	.7	5.4	5.3	5.8	13.6	13.4	13.2
18 MISSOURI . . . . .	1,614.5	1,624.2	1,599.2	7.8	8.6	8.6	75.5	75.8	79.9	459.2	464.1	455.0
19 Kansas City . . . . .	496.8	503.3	481.7	.6	.6	.6	27.2	26.6	25.1	126.3	134.1	125.3
20 St. Joseph . . . . .	31.1	32.0	32.3	(3)	(3)	(3)	2.0	2.1	2.1	9.4	10.2	10.8
21 St. Louis . . . . .	895.8	901.7	872.8	2.7	2.7	2.7	46.1	46.7	44.6	292.4	295.3	294.3
22 Springfield . . . . .	52.2	51.8	49.6	.1	.1	.1	2.6	2.7	2.7	16.1	15.7	14.0
23 MONTANA . . . . .	202.7	200.9	196.6	5.9	5.7	3.6	13.9	13.3	14.9	25.4	25.1	21.9
24 Billings . . . . .	27.8	27.5	27.5	(1)	(1)	(1)	1.8	1.8	1.9	2.9	2.9	3.1
25 Great Falls . . . . .	25.9	25.5	23.3	(1)	(1)	(1)	2.6	2.5	2.4	3.9	3.9	2.4
26 NEBRASKA . . . . .	453.5	453.6	444.4	1.7	1.7	1.9	26.2	25.5	26.1	83.2	82.8	81.0
27 Lincoln . . . . .	66.3	67.0	65.1	(1)	(1)	(1)	4.5	4.5	4.3	9.9	9.8	9.5
28 Omaha . . . . .	189.5	188.7	188.4	(3)	(3)	(3)	10.4	9.7	10.8	37.0	36.3	37.3
29 NEVADA . . . . .	180.7	181.0	172.1	4.1	4.1	3.4	10.0	9.7	8.0	7.1	7.1	6.6
30 Las Vegas . . . . .	93.9	94.2	89.5	.4	.4	.3	4.0	3.8	3.4	3.6	3.6	3.6
31 Reno . . . . .	49.7	49.7	47.6	(6)	(6)	(6)	3.5	3.5	3.0	2.5	2.5	2.4
32 NEW HAMPSHIRE . . . . .	263.0	260.5	257.9	.3	.3	.3	13.7	13.5	13.6	100.3	98.1	98.4
33 Manchester . . . . .	49.3	48.8	48.9	(1)	(1)	(1)	3.0	3.0	2.8	18.1	17.6	18.2
34 NEW JERSEY . . . . .	2,471.6	2,470.6	2,440.3	2.9	2.9	2.9	124.0	123.6	121.8	863.9	861.1	880.5
35 Atlantic City . . . . .	71.0	69.2	69.9	-	-	-	3.7	4.0	3.4	11.0	10.7	10.1
36 Jersey City <sup>7</sup> . . . . .	259.9	258.9	259.7	-	-	-	7.6	7.7	7.5	113.5	112.7	115.6
37 Newark <sup>7</sup> . . . . .	763.6	767.5	761.2	.5	.5	.6	34.0	34.0	34.2	252.1	255.1	256.6
38 Paterson-Clifton-Passaic <sup>7</sup> . . . . .	464.3	462.2	454.6	.4	.4	.4	23.9	23.2	22.9	184.8	182.1	183.7
39 Perth Amboy <sup>7</sup> . . . . .	238.6	237.7	232.8	.5	.5	.5	12.5	12.4	11.2	104.8	103.4	106.0
40 Trenton . . . . .	125.5	125.6	122.8	(1)	(1)	(1)	4.7	4.6	4.3	40.8	40.7	40.9
41 NEW MEXICO <sup>2</sup> . . . . .	278.9	279.0	277.3	16.2	15.9	15.9	19.9	19.9	18.1	17.9	17.8	18.1
42 Albuquerque <sup>2</sup> . . . . .	98.2	98.1	99.5	(1)	(1)	(1)	6.6	6.6	6.4	7.4	7.5	8.1
43 NEW YORK . . . . .	7,076.7	7,036.1	6,952.3	9.7	9.7	9.5	274.6	279.6	287.4	1,898.3	1,864.9	1,905.0
44 Albany-Schenectady-Troy . . . . .	269.3	267.0	268.5	(1)	(1)	(1)	12.9	12.2	14.2	65.5	65.4	65.6
45 Binghamton . . . . .	104.6	104.8	105.2	(1)	(1)	(1)	6.4	6.5	5.4	44.8	45.0	47.1
46 Buffalo . . . . .	496.0	499.3	487.9	(1)	(1)	(1)	24.7	24.0	23.7	176.3	180.2	178.7
47 Elmira . . . . .	39.8	39.6	40.2	(1)	(1)	(1)	1.7	1.7	2.0	17.4	17.2	17.7
48 Monroe County <sup>8</sup> . . . . .	301.0	300.3	298.0	(1)	(1)	(1)	16.6	16.9	16.5	135.5	134.9	138.1
49 Nassau and Suffolk Counties <sup>9</sup> . . . . .	671.2	673.7	654.9	(1)	(1)	(1)	41.0	42.1	42.8	158.3	158.0	158.5
50 New York-Northeastern New Jersey . . . . .	(*)	6,495.3	6,388.4	(*)	4.6	4.9	(*)	253.7	248.8	(*)	1,734.9	1,764.6
51 New York SMSA <sup>1</sup> . . . . .	4,787.9	4,759.5	4,679.7	3.2	3.3	3.4	169.2	175.6	173.0	1,102.5	1,077.7	1,102.3
52 New York City <sup>9</sup> . . . . .	3,769.6	3,736.7	3,689.6	2.5	2.6	2.7	105.9	111.5	109.6	855.9	828.2	858.1
53 Rochester . . . . .	340.4	337.5	338.0	(1)	(1)	(1)	17.6	17.9	17.5	149.9	147.3	152.2
54 Rockland County <sup>9</sup> . . . . .	56.4	56.6	52.1	(1)	(1)	(1)	3.8	3.7	3.2	14.7	14.7	13.7
55 Syracuse . . . . .	224.0	223.1	216.8	(1)	(1)	(1)	13.1	12.7	13.1	67.1	66.6	66.3
56 Utica-Rome . . . . .	116.6	115.9	114.2	(1)	(1)	(1)	4.6	4.5	4.6	43.2	42.4	42.5
57 Westchester County <sup>9</sup> . . . . .	290.7	292.5	283.1	(1)	(1)	(1)	18.5	18.3	17.4	73.6	76.9	72.0

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
144.8	144.7	142.0	547.5	548.1	545.8	105.0	104.8	102.8	376.5	379.4	372.2	464.8	466.7	431.4	1
1.9	1.9	1.8	11.7	11.7	10.9	2.1	2.1	1.9	9.1	9.0	8.5	32.9	32.7	31.6	2
2.5	2.5	2.6	9.6	9.6	9.4	3.3	3.3	3.3	6.1	6.1	6.4	7.7	7.7	7.7	3
1.6	1.6	1.6	6.7	6.6	6.7	.8	.7	.7	3.5	3.5	3.6	3.5	3.5	3.1	4
77.9	77.7	76.9	293.9	293.9	289.3	62.8	62.5	61.6	193.8	194.8	191.1	166.4	166.5	157.4	5
4.7	5.1	4.4	22.9	22.7	22.8	3.8	3.8	3.7	15.9	15.8	15.0	16.9	17.1	16.4	6
9.5	9.4	10.0	38.5	38.3	36.2	6.7	6.8	6.7	22.0	22.0	21.8	16.1	16.2	14.4	7
3.8	3.8	3.8	8.4	8.4	8.3	1.2	1.2	1.2	4.7	4.6	4.6	6.1	6.1	6.0	8
2.4	2.4	2.4	12.2	12.2	11.9	2.0	2.0	2.0	8.1	8.1	7.9	10.5	10.5	10.3	9
3.1	3.1	3.3	20.8	21.3	20.0	4.7	4.7	4.3	14.8	14.1	13.3	32.9	34.8	32.8	10
2.6	2.5	2.6	8.5	8.5	8.0	1.4	1.4	1.3	5.1	5.1	4.9	4.8	4.8	4.7	11
4.5	4.5	4.4	13.1	13.1	12.8	2.0	2.0	1.8	7.6	7.6	7.4	6.8	7.0	6.6	12
86.7	86.3	86.8	296.9	296.0	288.7	60.0	59.8	58.5	192.6	191.8	184.2	212.0	212.5	212.2	13
9.2	9.1	9.0	12.9	12.8	12.9	1.9	1.9	1.9	10.6	10.5	10.7	9.4	9.4	9.2	14
56.9	56.7	56.7	178.1	178.0	174.0	44.1	44.0	43.4	124.0	123.3	118.7	95.8	96.3	94.0	15
28.1	28.4	27.9	101.5	101.3	100.3	19.1	19.1	18.7	63.6	63.9	64.7	121.9	121.7	116.2	16
5.4	5.4	5.5	18.9	18.9	18.5	6.4	6.4	6.2	13.5	13.5	13.4	18.8	19.1	18.1	17
123.8	124.6	120.7	350.7	352.4	353.8	87.8	87.6	85.7	248.4	247.7	240.6	261.3	263.4	254.9	18
50.3	50.6	49.1	121.7	122.2	117.5	31.7	31.5	30.6	73.6	73.0	71.2	65.4	64.7	62.3	19
2.1	2.1	2.2	7.7	7.7	7.8	1.3	1.3	1.3	4.6	4.6	4.3	4.0	4.0	3.9	20
68.2	68.7	64.0	183.1	183.9	177.5	47.1	46.7	45.3	138.6	138.5	133.1	117.6	119.2	111.3	21
4.2	4.2	4.2	11.5	11.6	11.6	2.2	2.1	2.0	8.5	8.4	8.4	7.0	7.0	6.6	22
18.5	18.6	18.7	47.7	47.3	47.5	7.5	7.5	7.5	30.5	30.2	30.4	53.3	53.2	52.1	23
3.0	3.0	3.0	8.9	8.8	8.5	1.4	1.4	1.4	5.3	5.3	5.2	4.5	4.3	4.4	24
2.1	2.1	2.3	6.6	6.5	6.3	1.5	1.5	1.4	4.1	4.1	3.9	5.1	4.9	4.6	25
36.7	36.9	37.1	111.2	111.3	109.3	27.6	27.5	26.5	74.2	74.1	72.3	92.7	93.7	90.2	26
5.1	5.3	5.2	14.3	14.3	13.9	5.3	5.3	4.9	10.0	10.0	10.4	17.2	17.8	16.9	27
21.0	21.0	21.1	47.1	47.3	46.5	15.5	15.4	15.3	31.2	31.6	30.5	27.2	27.5	27.0	28
11.8	12.3	11.8	33.4	33.2	31.3	6.5	6.5	6.6	74.3	74.4	73.1	33.5	33.7	31.3	29
5.1	5.6	5.3	17.4	17.3	15.9	3.2	3.2	3.3	45.7	45.7	44.5	14.5	14.6	13.2	30
4.5	4.5	4.5	10.9	10.8	10.4	2.7	2.7	2.6	17.1	17.1	16.5	8.5	8.6	8.2	31
9.5	9.5	10.4	47.6	47.5	46.0	9.6	9.6	9.2	51.9	51.9	51.0	30.1	30.1	29.0	32
2.8	2.7	2.9	11.1	11.1	10.9	2.9	2.9	2.9	7.6	7.6	7.3	3.8	3.9	3.9	33
167.2	166.8	166.5	498.7	501.3	478.9	110.7	109.9	108.5	365.8	366.1	356.9	338.4	338.9	324.3	34
3.3	3.3	3.4	21.5	20.9	21.2	2.9	2.9	2.9	18.2	17.1	18.6	10.4	10.3	10.3	35
36.3	36.0	36.1	39.5	39.9	38.8	8.5	8.4	8.4	27.2	27.2	26.9	27.3	27.0	26.4	36
59.1	59.2	58.7	144.3	144.9	143.4	53.6	53.5	52.8	121.2	121.5	118.5	98.8	98.8	96.4	37
25.0	25.1	24.9	107.1	107.5	102.1	16.3	16.2	15.8	61.6	61.9	61.2	45.2	45.8	43.6	38
11.2	11.3	11.4	43.6	43.9	40.6	5.0	4.9	5.0	25.5	25.5	24.5	35.5	35.8	33.6	39
6.6	6.6	6.6	19.8	20.0	20.0	4.4	4.4	4.3	22.7	22.8	21.9	26.5	26.5	24.8	40
19.9	19.7	20.1	59.0	58.4	58.7	11.6	11.5	11.4	53.8	53.2	53.8	80.6	82.6	81.2	41
6.5	6.4	6.8	24.7	24.4	23.9	5.6	5.6	5.8	24.4	24.2	24.0	23.0	23.4	24.5	42
497.1	491.0	493.5	1,396.9	1,404.7	1,379.2	565.8	559.4	539.1	1,289.7	1,291.8	1,253.0	1,144.7	1,135.0	1,085.6	43
15.0	15.3	15.2	52.8	51.8	52.2	10.5	10.5	10.3	44.8	44.0	43.5	67.9	67.7	67.6	44
4.9	4.8	4.9	17.0	16.9	17.0	3.0	3.1	3.1	11.2	11.3	11.3	17.3	17.1	16.5	45
34.3	34.2	33.2	99.3	99.2	95.6	18.6	18.5	18.0	71.9	71.9	69.4	71.0	71.4	69.3	46
1.6	1.6	1.7	7.4	7.5	7.4	.9	.9	.9	5.8	5.8	5.6	4.9	4.9	4.8	47
11.6	11.6	11.3	53.0	53.2	51.2	10.5	10.4	10.2	42.9	42.7	41.8	30.9	30.6	29.0	48
26.8	26.8	27.2	166.3	167.5	160.3	29.1	28.9	27.5	126.4	127.6	120.8	123.4	122.7	117.9	49
(*)	503.7	504.1	(*)	1,323.7	1,291.4	(*)	560.6	541.3	(*)	1,175.1	1,140.1	(*)	939.0	893.2	50
377.5	372.7	373.0	978.5	985.7	966.5	482.8	477.8	459.3	935.4	939.4	909.1	738.9	727.3	693.2	51
330.5	325.7	326.4	739.8	745.5	734.0	438.9	434.1	417.2	733.2	737.1	718.1	563.0	552.1	523.5	52
13.9	13.9	13.2	59.4	59.7	58.3	11.2	11.1	11.0	47.2	46.9	46.3	41.1	40.8	39.6	53
2.9	2.9	2.6	10.1	10.1	9.4	1.9	1.9	1.9	10.2	10.3	9.2	12.8	13.0	12.3	54
14.4	14.4	13.9	47.0	47.1	46.0	11.0	10.9	10.7	36.6	36.3	34.0	34.8	35.1	32.7	55
5.2	5.2	5.1	19.3	19.3	18.5	4.5	4.4	4.4	14.4	14.3	14.0	25.4	25.8	25.0	56
17.3	17.3	16.8	62.3	62.6	62.8	12.9	12.9	12.8	66.3	65.1	61.6	39.7	39.5	39.6	57

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
1	NORTH CAROLINA	1,620.3	1,607.0	1,570.7	3.6	3.6	3.7	96.8	97.8	94.6	680.8	668.1	662.9
2	Asheville	-	-	-	-	-	-	-	-	-	18.8	18.3	19.3
3	Charlotte	163.5	162.2	155.5	(1)	(1)	(1)	13.0	12.9	12.0	40.1	39.8	39.2
4	Greensboro-Winston-Salem-High Point	247.3	245.9	240.9	(1)	(1)	(1)	12.8	12.8	12.4	113.3	111.3	110.2
5	Raleigh	-	-	-	-	-	-	-	-	-	13.2	13.0	12.3
6	NORTH DAKOTA	154.0	154.5	152.1	1.9	1.8	2.0	10.3	10.1	11.1	9.3	9.2	9.1
7	Fargo-Moorhead	37.6	37.6	36.6	(1)	(1)	(1)	2.8	2.7	3.1	2.8	2.8	2.6
8	OHIO	3,704.3	3,717.1	3,623.3	20.4	20.3	19.6	171.2	164.8	174.0	1,414.2	1,430.0	1,402.3
9	Akron	236.2	234.8	225.7	.3	.3	.3	9.1	9.0	7.9	98.9	97.8	97.2
10	Canton	131.8	132.4	127.9	.3	.3	.3	5.6	5.6	4.9	61.9	62.3	61.8
11	Cincinnati	483.8	488.1	471.6	.4	.4	.4	21.5	20.2	22.8	166.4	171.0	164.6
12	Cleveland	836.0	842.2	823.9	1.4	1.4	1.3	36.5	36.4	35.3	304.8	310.5	312.0
13	Columbus	350.1	347.7	337.5	.7	.7	.6	19.0	18.1	19.6	87.8	86.7	84.0
14	Dayton	315.2	315.4	311.1	.6	.6	.5	13.5	11.8	14.2	125.9	127.5	127.3
15	Toledo	226.3	224.2	219.3	.4	.4	.4	10.0	7.6	10.8	80.8	80.5	78.7
16	Youngstown-Warren	186.1	191.3	180.1	.4	.4	.4	8.7	8.6	8.3	85.0	90.2	83.2
17	OKLAHOMA	726.6	728.2	710.8	42.9	42.9	42.6	38.2	37.8	35.2	122.6	123.0	118.6
18	Oklahoma City	231.7	232.0	227.0	6.9	6.8	6.8	13.3	12.9	12.2	31.2	32.0	30.6
19	Tulsa	172.2	172.3	167.4	13.0	13.2	13.2	9.8	9.5	9.2	42.6	42.6	41.0
20	OREGON	689.5	678.7	670.8	2.0	1.9	2.2	36.0	35.0	34.4	181.2	174.0	176.2
21	Eugene	65.8	64.2	64.0	(1)	(1)	(1)	3.7	3.6	3.6	20.6	20.0	19.4
22	Portland	361.0	357.4	346.0	(1)	(1)	(1)	18.3	17.4	17.7	88.4	86.1	83.3
23	Salem	57.5	51.2	54.3	(1)	(1)	(1)	2.8	2.8	2.7	17.2	10.9	15.3
24	PENNSYLVANIA	4,250.1	4,245.1	4,197.4	41.0	41.3	42.8	206.0	204.3	201.6	1,571.8	1,566.1	1,568.8
25	Allentown-Bethlehem-Easton	212.3	211.5	209.7	.5	.5	.5	9.7	9.7	10.0	105.5	104.9	105.1
26	Altoona	46.4	46.2	44.6	(1)	(1)	(1)	1.6	1.7	1.8	15.2	15.1	14.7
27	Erie	93.5	93.8	92.2	(1)	(1)	(1)	4.6	4.6	4.6	43.3	43.4	42.9
28	Harrisburg	166.5	165.4	161.1	(1)	(1)	(1)	8.2	8.1	7.7	39.7	39.8	39.3
29	Johnstown	79.0	78.9	77.1	4.7	4.7	4.8	3.7	3.5	3.0	26.5	26.5	26.0
30	Lancaster	115.2	114.4	114.7	(1)	(1)	(1)	5.6	5.6	5.8	56.1	55.1	56.6
31	Philadelphia	1,723.2	1,729.2	1,712.3	1.4	1.5	1.5	86.4	85.5	85.1	571.1	573.3	584.5
32	Pittsburgh	847.9	855.5	835.1	9.1	9.1	9.1	44.2	43.6	39.4	294.4	299.7	293.2
33	Reading	119.4	117.2	116.9	(1)	(1)	(1)	5.5	5.4	4.9	57.9	55.9	56.9
34	Scranton	83.8	83.3	83.8	.4	.4	.4	2.7	2.7	2.5	35.0	34.4	35.0
35	Wilkes-Barre-Hazleton	123.7	121.9	119.8	2.4	2.4	2.9	8.3	7.9	6.8	53.4	52.3	52.0
36	York	123.3	121.3	120.5	(1)	(1)	(1)	6.7	6.5	6.4	60.5	59.1	59.8
37	RHODE ISLAND	343.9	340.4	344.2	(1)	(1)	(1)	17.3	17.4	17.2	126.5	124.1	129.1
38	Providence-Pawtucket-Warwick	355.7	351.5	354.6	(1)	(1)	(1)	16.9	17.0	16.9	144.9	141.6	146.5
39	SOUTH CAROLINA	767.2	763.6	750.6	1.6	1.6	1.6	48.5	49.2	49.1	327.7	324.3	319.7
40	Charleston	84.4	85.0	81.0	(1)	(1)	(1)	5.3	5.4	5.5	15.3	15.3	13.5
41	Columbia	95.4	95.1	91.3	(1)	(1)	(1)	6.9	6.8	6.5	19.3	19.4	18.7
42	Greenville	115.9	115.8	111.8	(1)	(1)	(1)	9.5	9.5	9.2	55.2	55.0	53.7
43	SOUTH DAKOTA	172.1	171.8	167.2	2.3	2.3	2.3	10.8	11.1	10.3	15.8	15.9	15.3
44	Sioux Falls	32.4	32.4	32.1	(1)	(1)	(1)	1.4	1.3	1.2	6.3	6.3	5.9
45	TENNESSEE	1,245.4	1,237.0	1,224.9	7.3	7.2	6.8	71.3	71.0	71.3	447.5	440.3	438.3
46	Chattanooga	119.4	118.0	119.0	.2	.2	.1	6.7	6.6	5.7	50.1	49.4	50.9
47	Knoxville	147.4	146.7	140.9	1.7	1.7	1.7	7.9	7.5	7.0	49.3	49.0	47.7
48	Memphis	254.0	253.3	249.5	.3	.3	.2	14.5	13.9	14.2	58.6	58.5	58.1
49	Nashville	210.4	208.8	208.5	(1)	(1)	(1)	12.4	12.2	12.7	61.5	59.3	61.6
50	TEXAS	3,447.9	3,448.2	3,299.8	109.2	109.2	108.3	217.3	214.7	216.5	708.6	712.8	671.5
51	Amarillo	-	-	-	-	-	-	-	-	-	5.3	5.4	4.7
52	Austin	-	-	-	-	-	-	-	-	-	10.2	10.1	8.6
53	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	33.9	34.4	33.7
54	Corpus Christi	-	-	-	-	-	-	-	-	-	10.4	10.3	10.9

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
86.4	85.2	83.0	288.3	287.3	280.9	62.8	62.7	60.2	185.3	185.5	182.3	216.3	216.8	203.1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
17.1	16.9	16.1	41.1	40.8	40.4	10.8	10.8	10.3	23.4	23.0	22.0	18.0	18.0	15.5	3
14.6	14.5	14.3	43.8	43.7	42.5	12.0	12.1	11.5	27.7	28.0	27.3	23.1	23.5	22.7	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.5	12.5	12.6	43.0	42.8	42.8	6.8	6.8	6.7	27.7	27.9	26.8	42.5	43.3	41.1	6
3.4	3.4	3.3	11.6	11.5	11.5	2.4	2.3	2.3	7.1	7.1	6.7	7.6	7.8	7.1	7
219.1	218.8	214.1	730.0	729.0	698.9	146.7	146.2	143.1	506.1	507.6	487.2	496.7	500.3	484.1	8
15.0	15.0	14.1	46.1	46.4	44.1	6.6	6.6	6.3	30.6	30.6	30.0	29.6	29.1	25.9	9
6.2	6.3	6.5	24.8	24.7	23.1	4.6	4.6	4.3	16.7	16.8	16.1	11.7	11.8	10.8	10
35.2	35.0	33.9	102.5	102.4	98.3	25.3	25.2	25.1	69.2	69.2	66.6	63.3	64.7	59.9	11
52.1	51.9	50.6	175.4	175.0	166.7	40.5	40.4	38.9	123.0	123.6	118.5	102.2	103.1	100.6	12
20.4	20.4	19.7	71.9	71.8	69.5	22.6	22.7	21.8	56.2	56.4	53.1	71.5	71.1	69.3	13
12.5	12.6	12.1	55.5	55.4	53.2	8.8	8.7	8.6	41.9	42.0	40.8	56.5	56.9	54.5	14
17.9	17.9	17.0	50.7	50.9	48.2	7.6	7.7	7.3	33.4	33.7	32.1	25.4	25.5	24.9	15
9.8	9.8	9.5	33.1	33.2	32.2	5.0	5.0	4.9	25.2	25.3	24.8	18.8	18.9	16.8	16
52.6	52.6	50.9	160.2	160.6	159.1	34.7	34.7	34.5	102.7	102.4	100.0	172.7	174.2	169.9	17
15.2	15.1	14.8	52.2	52.1	51.7	14.6	14.6	14.5	33.8	33.5	32.9	64.5	65.0	63.5	18
16.2	16.2	15.5	39.5	39.6	39.1	8.6	8.6	8.3	25.8	25.8	25.2	16.7	16.8	15.9	19
50.1	50.1	48.9	156.3	154.9	150.3	33.5	33.3	32.2	104.0	103.3	99.9	126.4	126.2	126.7	20
3.9	4.0	4.0	12.4	12.3	12.2	2.9	2.9	2.7	8.4	8.2	8.7	13.9	13.2	13.4	21
31.1	31.3	30.1	88.7	88.5	86.5	22.6	22.4	21.7	57.8	57.7	54.4	54.1	54.0	52.3	22
1.8	1.8	1.9	10.2	10.2	9.9	2.9	2.8	2.8	6.6	6.6	6.5	16.0	16.1	15.2	23
265.2	266.2	268.0	769.3	770.4	763.9	180.5	180.3	176.4	648.9	649.4	626.5	567.4	567.1	549.4	24
11.7	11.6	11.5	34.9	34.8	33.7	6.4	6.4	6.2	24.7	24.7	25.0	18.9	18.9	17.7	25
8.1	8.1	6.9	7.8	7.7	7.7	1.2	1.2	1.2	6.6	6.6	6.5	5.9	5.8	5.8	26
5.5	5.5	5.6	16.5	16.5	16.2	3.0	3.0	3.0	11.7	11.7	11.1	8.9	9.1	8.8	27
12.5	12.5	12.5	31.7	31.7	30.3	8.0	8.0	7.9	22.8	22.6	22.3	43.6	42.7	41.1	28
5.4	5.4	5.4	13.3	13.3	12.5	2.0	2.0	2.0	11.9	11.9	12.1	11.5	11.6	11.3	29
5.0	5.1	5.0	20.4	20.4	20.1	2.7	2.7	2.6	16.7	16.7	16.5	8.7	8.8	8.1	30
110.5	110.9	112.6	334.3	336.2	329.9	96.5	96.6	91.8	280.7	282.5	271.0	242.3	242.7	235.9	31
58.0	58.0	56.2	162.0	162.9	161.0	35.8	35.9	35.9	147.9	149.1	143.9	96.5	97.2	96.4	32
6.1	6.1	6.1	17.8	17.8	17.6	4.7	4.7	4.6	16.1	16.0	15.8	11.3	11.3	11.0	33
5.4	5.5	5.5	15.9	15.8	15.8	2.5	2.5	2.4	12.6	12.7	12.8	9.3	9.3	9.4	34
6.7	6.7	6.6	19.3	19.1	19.4	3.6	3.4	3.5	15.3	15.5	14.1	14.7	14.6	14.5	35
5.8	5.7	5.7	21.5	21.1	20.8	2.7	2.7	2.6	13.6	13.7	13.0	12.5	12.5	12.2	36
14.0	13.6	15.3	66.8	66.1	64.2	14.9	14.9	14.9	52.0	52.1	52.0	52.4	52.2	51.5	37
13.8	13.7	15.1	67.0	66.4	64.2	14.7	14.7	14.7	50.3	50.2	49.8	48.1	47.9	47.4	38
33.2	32.8	31.6	128.8	127.2	124.7	26.0	26.2	26.3	75.5	75.9	77.1	125.9	126.4	120.5	39
5.4	5.2	5.1	16.9	17.1	16.6	3.3	3.3	3.3	9.4	9.6	9.4	28.8	29.1	27.6	40
5.7	5.7	5.6	19.5	19.3	19.5	5.6	5.6	5.3	11.8	11.8	11.6	26.6	26.5	24.1	41
4.6	4.6	4.5	18.8	18.8	18.1	4.3	4.3	4.2	11.2	11.2	11.0	12.3	12.4	11.1	42
10.5	10.3	10.1	46.2	45.9	45.0	6.9	6.9	7.1	29.7	29.7	28.5	49.9	49.7	48.6	43
3.1	3.0	2.9	10.1	10.1	10.1	1.9	1.9	2.0	5.4	5.5	5.8	4.3	4.4	4.3	44
62.0	61.9	61.5	232.8	231.9	232.4	51.6	51.4	50.7	157.1	157.2	156.2	215.8	216.1	207.7	45
5.4	5.4	5.7	21.2	21.1	21.3	6.7	6.7	6.6	14.5	14.5	14.0	14.6	14.1	14.7	46
6.6	6.6	6.9	32.0	31.6	29.7	4.6	4.6	4.5	18.8	18.7	17.8	26.5	27.0	25.6	47
19.0	18.9	19.0	64.2	64.0	63.3	13.6	13.6	13.4	39.8	39.7	39.0	44.0	44.4	42.3	48
12.5	12.5	12.6	45.1	45.4	44.8	13.0	12.9	13.0	34.4	34.5	32.9	31.5	32.0	30.9	49
252.4	252.1	246.9	805.7	801.9	776.6	175.7	175.7	168.3	548.1	545.5	507.6	630.9	636.3	604.1	50
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
1	TEXAS (continued)												
2	Dallas	590.0	588.5	557.3	8.5	8.4	8.0	33.4	32.3	33.0	162.9	162.5	149.4
3	El Paso	-	-	-	-	-	-	-	-	-	19.8	19.5	18.9
4	Fort Worth	-	-	-	-	-	-	-	-	-	90.3	93.1	83.0
5	Galveston-Texas City	-	-	-	-	-	-	-	-	-	10.8	10.9	10.6
6	Houston	683.8	680.4	651.0	27.7	27.4	27.2	64.7	63.6	59.6	138.1	138.1	133.1
7	Lubbock	-	-	-	-	-	-	-	-	-	6.2	6.2	6.1
8	San Antonio	243.8	243.2	231.7	1.3	1.3	1.2	15.0	15.1	15.4	29.9	29.7	28.3
9	Waco	-	-	-	-	-	-	-	-	-	13.6	13.7	12.7
10	Wichita Falls	-	-	-	-	-	-	-	-	-	3.9	3.9	3.7
10	UTAH	342.6	342.5	328.3	12.5	12.3	7.7	15.7	15.2	16.4	54.6	54.6	50.8
11	Salt Lake City	178.4	177.2	165.8	7.4	7.4	2.5	8.2	8.1	8.8	30.0	29.9	26.5
12	VERMONT	147.6	146.2	143.8	1.1	1.1	1.1	9.9	9.7	8.8	45.1	44.3	44.7
13	Burlington <sup>10</sup>	35.7	35.4	34.2	-	-	-	-	-	-	10.4	10.3	9.8
14	Springfield <sup>10</sup>	14.0	14.0	14.3	-	-	-	-	-	-	6.9	6.9	7.4
15	VIRGINIA <sup>4</sup>	1,391.0	1,387.9	1,338.3	15.7	15.7	14.8	96.5	96.4	95.9	361.4	357.5	342.1
16	Seattle-Everett	49.6	49.7	46.9	(1)	(1)	(1)	3.4	3.4	3.1	22.5	22.5	20.6
17	Newport-News-Hampton	94.7	95.3	91.5	(1)	(1)	(1)	5.4	5.3	5.2	28.8	29.2	27.9
18	Norfolk-Portsmouth	190.1	190.5	187.7	.1	.1	.1	13.7	13.5	13.4	20.1	20.7	19.7
19	Richmond	221.1	219.9	215.7	.2	.2	.2	17.3	17.3	16.2	51.9	50.9	51.0
20	Roanoke	77.0	77.0	74.1	.1	.1	.1	5.4	5.5	5.0	18.4	18.3	17.7
21	WASHINGTON	1,113.0	1,095.3	1,067.0	1.7	1.7	1.8	63.4	60.4	62.4	298.0	287.2	288.3
22	Seattle-Everett	563.5	555.8	527.9	(1)	(1)	(1)	32.3	31.0	29.7	175.8	171.2	170.3
23	Spokane	85.4	84.8	83.7	(1)	(1)	(1)	4.7	4.4	5.4	13.5	13.5	12.8
24	Tacoma	107.4	107.3	101.6	(1)	(1)	(1)	6.0	5.9	5.4	21.9	22.1	20.4
25	WEST VIRGINIA	510.2	511.6	509.5	48.4	48.3	48.3	26.4	25.9	27.5	130.8	132.5	131.1
26	Charleston	83.3	84.9	83.2	3.5	3.6	3.7	4.7	4.5	4.2	18.4	20.2	20.2
27	Huntington-Ashland	80.2	81.1	80.9	.7	.7	.7	4.0	3.9	4.4	25.4	26.3	27.1
28	Wheeling	55.8	56.4	54.0	3.8	3.7	3.3	3.4	3.3	2.4	15.9	16.6	16.3
29	WISCONSIN	1,475.3	1,476.3	1,451.0	2.8	2.9	3.2	69.3	70.6	73.0	513.0	511.3	515.9
30	Green Bay	52.3	50.6	49.7	(1)	(1)	(1)	2.7	2.6	2.3	17.6	16.9	17.2
31	Kenosha	31.0	32.7	29.9	(1)	(1)	(1)	1.6	1.6	1.4	13.8	15.2	13.3
32	La Crosse	28.7	28.1	28.6	(1)	(1)	(1)	1.3	1.3	1.3	8.5	8.1	9.2
33	Madison	109.3	110.8	107.9	(1)	(1)	(1)	7.2	7.0	6.7	15.3	15.9	16.5
34	Milwaukee	554.3	555.1	548.0	(1)	(1)	(1)	22.7	24.8	26.8	214.4	213.3	213.2
35	Racine	52.5	53.0	53.3	(1)	(1)	(1)	1.8	1.9	2.3	24.2	24.7	25.5
36	WYOMING	110.3	110.2	109.0	10.7	10.5	9.1	8.3	8.3	8.5	6.9	6.8	7.2
37	Casper	19.9	19.4	17.4	3.2	3.0	2.7	1.6	1.5	1.2	1.3	1.3	1.2
38	Cheyenne	18.4	18.7	19.1	(1)	(1)	(1)	1.1	1.1	1.2	.8	.8	1.6

<sup>1</sup>Combined with services.

<sup>2</sup>Series revised to 1968 benchmark; not strictly comparable with previously published data.

<sup>3</sup>Combined with construction.

<sup>4</sup>Federal employment in Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.

<sup>5</sup>Area included in Chicago-Northwestern Indiana Standard Consolidated Area.

<sup>6</sup>Combined with manufacturing.

<sup>7</sup>Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>8</sup>Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup>Subarea of New York Standard Metropolitan Statistical Area.

<sup>10</sup>Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

\*Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
48.4	48.0	45.7	155.7	155.6	146.3	46.9	46.8	45.3	82.0	81.9	78.1	52.2	53.0	51.6	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
65.2	65.1	62.1	167.6	165.3	159.4	34.3	34.2	33.4	119.9	119.6	111.0	66.3	67.1	65.2	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
10.4	10.4	10.1	60.3	60.0	56.4	14.8	14.8	14.3	43.5	43.5	38.4	68.6	68.4	67.6	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
24.1	24.0	23.0	74.8	73.7	73.2	13.2	13.2	13.0	50.9	50.9	47.7	96.9	98.5	96.5	10
15.2	15.1	15.1	46.8	46.1	45.2	10.0	10.0	9.9	28.3	28.1	26.2	32.3	32.5	31.6	11
7.2	7.2	7.6	26.6	26.4	25.9	5.0	5.0	4.9	30.1	29.9	29.0	22.8	22.8	21.9	12
1.8	1.8	1.8	6.9	6.8	6.6	-	-	-	7.4	7.4	7.0	-	-	-	13
.8	.8	.8	1.9	1.9	1.9	-	-	-	1.7	1.7	1.7	-	-	-	14
96.3	96.2	94.0	281.0	281.1	272.2	62.4	62.3	60.3	196.8	196.9	190.8	280.9	281.8	268.2	15
2.4	2.4	2.3	8.1	8.1	7.9	1.9	1.9	1.8	6.2	6.2	6.1	5.1	5.2	5.1	16
4.5	4.5	4.3	14.5	14.5	13.7	2.4	2.4	2.4	10.7	10.8	10.5	28.4	28.6	27.5	17
16.3	16.5	16.0	44.5	44.3	44.0	8.3	8.3	8.3	27.5	27.4	27.4	59.6	59.7	58.8	18
18.0	17.9	17.4	49.6	49.7	48.7	17.4	17.4	16.8	30.2	30.2	29.6	36.5	36.3	35.8	19
10.7	10.7	10.2	17.8	17.8	17.1	3.8	3.8	3.6	11.9	11.9	11.5	8.9	8.9	8.9	20
74.0	73.3	71.8	240.8	237.5	232.8	56.2	55.3	51.9	159.3	158.0	149.3	219.6	221.9	208.7	21
40.2	39.8	38.2	122.5	121.4	111.5	33.9	33.8	30.6	78.1	78.0	72.8	80.7	80.6	74.8	22
7.6	7.6	7.7	22.5	22.5	22.7	4.8	4.8	4.7	16.5	16.3	15.7	15.8	15.7	14.7	23
6.7	6.5	6.6	23.2	23.0	22.2	5.6	5.6	5.2	17.2	17.3	16.3	26.8	26.9	25.5	24
41.7	41.7	41.8	90.4	90.4	89.3	15.0	15.0	14.7	63.2	63.2	62.5	94.3	94.6	94.4	25
9.1	9.1	9.0	18.5	18.2	18.0	3.8	3.8	3.5	11.3	11.3	10.9	14.1	14.2	13.6	26
8.2	8.2	7.8	16.8	16.8	17.0	2.7	2.7	2.8	9.8	9.8	9.6	12.7	12.7	11.4	27
3.5	3.6	3.7	12.0	11.9	11.9	2.1	2.1	2.1	8.7	8.8	8.5	6.3	6.4	5.7	28
76.8	76.3	76.2	309.6	310.0	301.3	58.1	58.4	56.2	212.4	212.0	202.2	233.4	234.8	223.0	29
4.6	4.5	4.4	13.0	12.5	12.3	1.4	1.4	1.3	7.5	7.3	7.2	5.5	5.5	5.0	30
1.1	1.2	1.0	5.5	5.5	5.5	.7	.7	.7	4.6	4.6	4.4	3.6	3.8	3.5	31
2.2	2.1	2.2	6.7	6.7	6.6	.7	.7	.6	5.5	5.4	5.1	3.8	3.8	3.6	32
5.0	5.0	5.0	21.5	21.4	21.2	6.1	6.0	5.8	15.8	15.8	15.2	38.5	39.6	37.5	33
30.3	29.6	30.0	114.7	115.7	112.1	26.9	26.9	26.2	77.2	77.7	74.6	68.2	67.2	65.2	34
2.0	2.0	1.9	9.4	9.4	9.4	1.4	1.4	1.4	7.4	7.3	7.1	6.3	6.3	5.8	35
10.5	10.5	10.5	24.4	24.3	23.7	3.6	3.6	3.6	17.4	17.4	17.3	28.5	28.8	29.1	36
1.4	1.4	1.5	4.8	4.8	4.3	.8	.8	.8	3.2	3.2	2.2	3.6	3.4	3.5	37
2.6	2.7	2.8	4.2	4.2	4.1	1.0	1.0	1.0	3.4	3.4	3.2	5.3	5.5	5.2	38

# ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, 1947 to date**

Year and month	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	Total private <sup>1</sup>			Manufacturing			Durable goods			Nondurable goods		
1947.....	\$45.58	40.3	\$1.131	\$49.17	40.4	\$1.217	\$51.76	40.5	\$1.278	\$46.03	40.2	\$1.145
1948.....	49.00	40.0	1.225	53.12	40.0	1.328	56.36	40.4	1.395	49.50	39.6	1.250
1949.....	50.24	39.4	1.275	53.88	39.1	1.378	57.25	39.4	1.453	50.38	38.9	1.295
1950.....	53.13	39.8	1.335	58.32	40.5	1.440	62.43	41.1	1.519	53.48	39.7	1.347
1951.....	57.86	39.9	1.45	63.34	40.6	1.56	68.48	41.5	1.65	56.88	39.5	1.44
1952.....	60.65	39.9	1.52	67.16	40.7	1.65	72.63	41.5	1.75	59.95	39.7	1.51
1953.....	63.76	39.6	1.61	70.47	40.5	1.74	76.63	41.2	1.86	62.57	39.6	1.58
1954.....	64.52	39.1	1.65	70.49	39.6	1.78	76.19	40.1	1.90	63.18	39.0	1.62
1955.....	67.72	39.6	1.71	75.70	40.7	1.86	82.19	41.3	1.99	66.63	39.9	1.67
1956.....	70.74	39.3	1.80	78.78	40.4	1.95	85.28	41.0	2.08	70.09	39.6	1.77
1957.....	73.33	38.8	1.89	81.59	39.8	2.05	88.26	40.3	2.19	72.52	39.2	1.85
1958.....	75.08	38.5	1.95	82.71	39.2	2.11	89.27	39.5	2.26	74.11	38.8	1.91
1959.....	78.78	39.0	2.02	88.26	40.3	2.19	96.05	40.7	2.36	78.61	39.7	1.98
1960.....	80.67	38.6	2.09	89.72	39.7	2.26	97.44	40.1	2.43	80.36	39.2	2.05
1961.....	82.60	38.6	2.14	92.34	39.8	2.32	100.35	40.3	2.49	82.92	39.3	2.11
1962.....	85.91	38.7	2.22	96.56	40.4	2.39	104.70	40.9	2.56	85.93	39.6	2.17
1963.....	88.46	38.8	2.28	99.63	40.5	2.46	108.09	41.1	2.63	87.91	39.6	2.22
1964.....	91.33	38.7	2.36	102.97	40.7	2.53	112.19	41.4	2.71	90.91	39.7	2.29
1965.....	95.06	38.8	2.45	107.53	41.2	2.61	117.18	42.0	2.79	94.64	40.1	2.36
1966.....	98.82	38.6	2.56	112.34	41.3	2.72	122.09	42.1	2.90	98.49	40.2	2.45
1967.....	101.84	38.0	2.68	114.90	40.6	2.83	123.60	41.2	3.00	102.03	39.7	2.57
1967: September.....	103.90	38.2	2.72	116.85	41.0	2.85	125.75	41.5	3.03	104.92	40.2	2.61
October.....	103.36	38.0	2.72	116.28	41.0	2.85	125.44	41.4	3.03	104.14	39.9	2.61
November.....	103.74	38.0	2.73	117.50	40.8	2.88	125.66	41.2	3.05	105.06	40.1	2.62
December.....	103.74	38.0	2.73	119.60	41.1	2.91	129.16	41.8	3.09	105.86	40.1	2.64
1968: January.....	102.95	37.3	2.76	117.60	40.0	2.94	127.70	40.8	3.13	103.86	38.9	2.67
February.....	104.53	37.6	2.78	119.36	40.6	2.94	128.54	41.2	3.12	106.40	39.7	2.68
March.....	104.90	37.6	2.79	120.18	40.6	2.96	129.68	41.3	3.14	106.79	39.7	2.69
April.....	104.44	37.3	2.80	118.21	39.8	2.97	127.58	40.5	3.15	104.76	38.8	2.70
May.....	106.69	37.7	2.83	122.29	40.9	2.99	132.29	41.6	3.18	108.26	39.8	2.72
June.....	108.59	38.1	2.85	123.30	41.1	3.00	132.92	41.8	3.18	109.47	40.1	2.73
July.....	109.25	38.2	2.86	122.10	40.7	3.00	131.02	41.2	3.18	110.00	40.0	2.75
August.....	109.54	38.3	2.86	121.39	40.6	2.99	129.97	41.0	3.17	110.55	40.2	2.75
September.....	110.49	38.1	2.90	124.23	41.0	3.03	133.22	41.5	3.21	112.03	40.3	2.78
<hr/>												
Year and month	Mining			Contract construction			Wholesale and retail trade			Finance, insurance, and real estate		
1947.....	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140
1948.....	65.56	39.4	1.664	65.27	38.1	1.713	40.80	40.4	1.010	45.48	37.9	1.200
1949.....	62.33	36.3	1.717	67.56	37.7	1.792	42.93	40.5	1.060	47.63	37.8	1.260
1950.....	67.16	37.9	1.772	69.68	37.4	1.863	44.55	40.5	1.100	50.52	37.7	1.340
1951.....	74.11	38.4	1.93	76.96	38.1	2.02	47.79	40.5	1.18	54.67	37.7	1.45
1952.....	77.59	38.6	2.01	82.86	38.9	2.13	49.20	40.0	1.23	57.08	37.8	1.51
1953.....	83.03	38.8	2.14	86.41	37.9	2.28	51.35	39.5	1.30	59.57	37.7	1.58
1954.....	82.60	38.6	2.14	88.91	37.2	2.39	53.33	39.5	1.35	62.04	37.6	1.65
1955.....	89.54	40.7	2.20	90.90	37.1	2.45	55.16	39.4	1.40	63.92	37.6	1.70
1956.....	95.06	40.8	2.33	96.38	37.5	2.57	57.48	39.1	1.47	65.68	36.9	1.78
1957.....	98.65	40.1	2.46	100.27	37.0	2.71	59.60	38.7	1.54	67.53	36.7	1.84
1958.....	96.08	38.9	2.47	103.78	36.8	2.82	61.76	38.6	1.60	70.12	37.1	1.89
1959.....	103.68	40.5	2.56	108.41	37.0	2.93	64.41	38.8	1.66	72.74	37.3	1.95
1960.....	105.44	40.4	2.61	113.04	36.7	3.08	66.01	38.6	1.71	75.14	37.2	2.02
1961.....	106.92	40.5	2.64	118.08	36.9	3.20	67.41	38.3	1.76	77.12	36.9	2.09
1962.....	110.43	40.9	2.70	122.47	37.0	3.31	69.91	38.2	1.83	80.94	37.3	2.17
1963.....	114.40	41.6	2.75	127.19	37.3	3.41	72.01	38.1	1.89	84.38	37.5	2.25
1964.....	117.74	41.9	2.81	132.06	37.2	3.55	74.28	37.9	1.96	85.79	37.3	2.30
1965.....	123.52	42.3	2.92	138.38	37.4	3.70	76.53	37.7	2.03	88.91	37.2	2.39
1966.....	130.24	42.7	3.05	146.26	37.6	3.89	79.02	37.1	2.13	92.13	37.3	2.47
1967.....	135.89	42.6	3.19	154.95	37.7	4.11	82.13	36.5	2.25	95.46	37.0	2.58
1967: September.....	138.46	43.0	3.22	162.96	38.8	4.20	82.86	36.5	2.27	96.20	37.0	2.60
October.....	138.14	42.9	3.22	160.78	38.1	4.22	82.54	36.2	2.28	97.20	37.1	2.62
November.....	138.78	43.1	3.22	161.63	38.3	4.22	82.67	36.1	2.29	97.31	37.0	2.63
December.....	137.70	42.5	3.24	155.13	36.5	4.25	83.22	36.5	2.28	98.05	37.0	2.65
1968: January.....	136.95	41.5	3.30	151.90	35.0	4.34	83.41	35.8	2.33	98.42	37.0	2.66
February.....	136.45	41.6	3.28	154.57	36.2	4.27	84.49	35.8	2.36	99.26	36.9	2.69
March.....	137.10	41.8	3.28	154.94	36.2	4.28	84.85	35.8	2.37	99.80	37.1	2.69
April.....	140.25	42.5	3.30	159.27	37.3	4.27	84.85	35.8	2.37	100.00	36.9	2.71
May.....	141.24	42.8	3.30	162.43	37.6	4.32	85.32	35.7	2.39	101.01	37.0	2.73
June.....	144.09	43.4	3.32	164.74	38.4	4.29	87.36	36.4	2.40	102.12	37.0	2.76
July.....	145.52	43.7	3.33	167.52	38.6	4.34	88.56	36.9	2.40	102.77	37.1	2.77
August.....	144.52	43.4	3.33	169.17	38.8	4.36	88.80	37.0	2.40	102.49	37.0	2.77
September.....	145.68	43.1	3.38	172.22	38.7	4.45	87.97	36.2	2.43	103.23	37.0	2.79

<sup>1</sup>For coverage of series, see footnote 1, table B-2.

NOTE: Data include Alaska and Hawaii beginning 1959. Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<b>TOTAL PRIVATE</b> .....	\$110.49	\$109.54	\$109.25	\$103.90	\$103.30	\$2.90	\$2.86	\$2.86	\$2.72	\$2.69
	<b>MINING</b> .....	145.68	144.52	145.52	138.46	137.38	3.38	3.33	3.33	3.22	3.18
10	<b>METAL MINING</b> .....	-	153.37	151.75	136.86	135.20	-	3.47	3.41	3.29	3.25
101	Iron ores .....	-	148.16	145.43	142.80	139.86	-	3.57	3.39	3.36	3.33
102	Copper ores .....	-	166.77	168.08	127.75	131.24	-	3.46	3.48	3.17	3.17
11,12	<b>COAL MINING</b> .....	-	153.34	156.08	150.69	151.74	-	3.74	(*)	3.73	3.71
12	Bituminous coal and lignite mining .....	-	154.91	157.29	152.66	153.71	-	3.76	(*)	3.76	3.74
13	<b>OIL AND GAS EXTRACTION</b> .....	-	136.96	137.92	132.01	129.86	-	3.20	3.20	3.07	3.02
131,2	Crude petroleum and natural gas fields .....	-	135.60	136.75	134.15	130.49	-	3.34	3.36	3.28	3.23
138	Oil and gas field services .....	-	138.08	138.88	129.79	129.15	-	3.11	3.10	2.91	2.87
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	143.21	142.44	136.83	136.30	-	3.06	3.05	2.93	2.90
142	Crushed and broken stone .....	-	145.91	144.83	136.29	135.32	-	2.99	2.98	2.81	2.79
	<b>CONTRACT CONSTRUCTION</b> .....	172.22	169.17	167.52	162.96	159.06	4.45	4.36	4.34	4.20	4.11
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	155.77	153.87	151.78	148.83	-	4.21	4.17	4.08	3.99
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	178.32	178.30	167.70	165.07	-	4.09	4.08	3.90	3.83
161	Highway and street construction .....	-	179.60	180.05	167.90	165.24	-	4.00	4.01	3.79	3.73
162	Heavy construction, n.e.c. ....	-	177.24	175.55	167.63	165.13	-	4.20	4.15	4.02	3.96
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	173.25	170.75	168.28	163.13	-	4.62	4.59	4.44	4.35
171	Plumbing, heating, air conditioning .....	-	181.81	179.63	178.54	172.77	-	4.71	4.69	4.52	4.43
172	Painting, paper hanging, decorating .....	-	156.52	154.01	152.57	149.60	-	4.30	4.29	4.18	4.11
173	Electrical work .....	-	199.41	199.68	195.61	189.24	-	5.10	5.12	4.99	4.84
174	Masonry, stonework, and plastering .....	-	160.91	157.25	154.37	149.32	-	4.52	4.48	4.30	4.23
176	Roofing and sheetmetal work .....	-	145.71	145.80	141.18	136.78	-	4.07	4.05	3.90	3.81
	<b>MANUFACTURING</b> .....	124.23	121.39	122.10	116.85	114.49	3.03	2.99	3.00	2.85	2.82
19,24,25,32-39	<b>DURABLE GOODS</b> .....	133.22	129.97	131.02	125.75	123.30	3.21	3.17	3.18	3.03	3.00
20-23,26-31	<b>NONDURABLE GOODS</b> .....	112.03	110.55	110.00	104.92	102.80	2.78	2.75	2.75	2.61	2.57
	<i>Durable Goods</i> .....										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	136.92	134.69	131.61	135.36	131.87	3.26	3.23	3.21	3.20	3.17
192	Ammunition, except for small arms .....	133.54	131.65	128.79	134.40	130.82	3.21	3.18	3.18	3.20	3.16
1925	Complete guided missiles .....	-	153.14	152.77	156.77	153.67	-	3.69	3.69	3.68	3.65
1929	Ammunition, exc. for small arms, nec .....	-	119.36	114.11	118.56	114.52	-	2.89	2.86	2.85	2.80
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	107.16	106.86	105.01	98.42	95.84	2.62	2.60	2.58	2.43	2.39
242	Sawmills and planing mills .....	104.33	103.66	101.43	94.48	93.61	2.52	2.51	2.48	2.31	2.30
2421	Sawmills and planing mills, general .....	-	106.81	104.96	97.10	96.70	-	2.58	2.56	2.38	2.37
243	Millwork, plywood & related products .....	113.71	114.53	111.79	106.55	106.40	2.76	2.74	2.72	2.58	2.57
2431	Millwork .....	-	110.97	107.07	104.96	105.92	-	2.70	2.67	2.56	2.54
2432	Veneer and plywood .....	-	116.88	115.50	107.74	106.04	-	2.75	2.75	2.59	2.58
244	Wooden containers .....	87.64	88.62	89.02	83.21	81.80	2.23	2.21	2.22	2.07	2.04
2441,2	Wooden boxes, shooks, and crates .....	-	87.85	86.80	80.20	79.60	-	2.18	2.17	2.01	2.00
249	Miscellaneous wood products .....	94.19	94.71	93.09	88.91	87.23	2.32	2.31	2.31	2.19	2.17
25	<b>FURNITURE AND FIXTURES</b> .....	103.25	102.18	99.14	97.41	95.06	2.50	2.48	2.46	2.37	2.33
251	Household furniture .....	97.64	96.35	93.20	91.62	88.88	2.37	2.35	2.33	2.24	2.20
2511	Wood household furniture .....	-	91.74	89.35	85.49	83.64	-	2.20	2.19	2.08	2.05
2512	Upholstered household furniture .....	-	101.56	96.97	98.42	93.14	-	2.52	2.48	2.43	2.37
2515	Mattresses and bedsprings .....	-	104.12	102.94	100.35	98.49	-	2.59	2.58	2.49	2.45
252	Office furniture .....	-	121.97	118.72	114.86	110.99	-	2.83	2.82	2.69	2.63
254	Partitions and fixtures .....	-	124.64	125.05	120.80	121.82	-	3.04	3.05	2.89	2.88
253,9	Other furniture and fixtures .....	110.24	108.26	103.02	102.97	100.60	2.65	2.59	2.55	2.53	2.43
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	129.02	127.75	126.72	120.69	119.56	3.05	3.02	3.01	2.86	2.84
321	Flat glass .....	-	157.66	156.11	154.76	151.79	-	3.79	3.78	3.65	3.64
322	Glass and glassware, pressed or blown .....	125.45	125.46	125.56	114.29	112.80	3.09	3.06	3.07	2.85	2.82
3221	Glass containers .....	-	131.43	132.70	116.58	116.35	-	3.19	3.19	2.90	2.88
3229	Pressed and blown glass, n.e.c. ....	-	116.12	114.91	110.52	107.96	-	2.86	2.88	2.77	2.74
324	Cement, hydraulic .....	148.81	147.55	148.19	136.95	131.61	3.56	3.53	3.52	3.30	3.21
325	Structural clay products .....	106.19	105.37	105.78	102.01	100.21	2.59	2.57	2.58	2.47	2.45
3251	Brick and structural clay tile .....	-	102.24	101.99	97.94	96.37	-	2.44	2.44	2.31	2.30
326	Pottery and related products .....	-	107.41	107.59	103.22	102.05	-	2.74	2.78	2.60	2.59
327	Concrete, gypsum, and plaster products .....	141.83	139.39	138.16	131.78	130.42	3.09	3.05	3.01	2.89	2.86
328,9	Other stone and nonmetallic mineral products .....	124.64	123.41	121.99	120.51	119.81	3.04	3.01	2.99	2.89	2.88
3291	Abrasive products .....	-	117.50	122.09	121.99	119.58	-	3.06	3.06	2.99	2.96

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers'  
on private nonagricultural payrolls, by industry**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
-	<b>TOTAL PRIVATE</b> . . . . .	38.1	38.3	38.2	38.2	38.4	-	-	-	-	-
	<b>MINING</b> . . . . .	43.1	43.4	43.7	43.0	43.2	-	-	-	-	-
10	METAL MINING . . . . .	-	44.2	44.5	41.6	41.6	-	-	-	-	-
101	Iron ores . . . . .	-	41.5	42.9	42.5	42.0	-	-	-	-	-
102	Copper ores . . . . .	-	48.2	48.3	40.3	41.4	-	-	-	-	-
11,12	COAL MINING . . . . .	-	41.0	(*)	40.4	40.9	-	-	-	-	-
12	Bituminous coal and lignite mining . . . . .	-	41.2	(*)	40.6	41.1	-	-	-	-	-
13	OIL AND GAS EXTRACTION . . . . .	-	42.8	43.1	43.0	43.0	-	-	-	-	-
131,2	Crude petroleum and natural gas fields . . . . .	-	40.6	40.7	40.9	40.4	-	-	-	-	-
138	Oil and gas field services . . . . .	-	44.4	44.8	44.6	45.0	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS . . . . .	-	46.8	46.7	46.7	47.0	-	-	-	-	-
142	Crushed and broken stone . . . . .	-	48.8	48.6	48.5	48.5	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> . . . . .	38.7	38.8	38.6	38.8	38.7	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS . . . . .	-	37.0	36.9	37.2	37.3	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS . . . . .	-	43.6	43.7	43.0	43.1	-	-	-	-	-
161	Highway and street construction . . . . .	-	44.9	44.9	44.3	44.3	-	-	-	-	-
162	Heavy construction, n e c . . . . .	-	42.2	42.3	41.7	41.7	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS . . . . .	-	37.5	37.2	37.9	37.5	-	-	-	-	-
171	Plumbing, heating, air conditioning . . . . .	-	38.6	38.3	39.5	39.0	-	-	-	-	-
172	Painting, paper hanging, decorating . . . . .	-	36.4	35.9	36.5	36.4	-	-	-	-	-
173	Electrical work . . . . .	-	39.1	39.0	39.2	39.1	-	-	-	-	-
174	Masonry, stonework, and plastering . . . . .	-	35.6	35.1	35.9	35.3	-	-	-	-	-
176	Roofing and sheet metal work . . . . .	-	35.8	36.0	36.2	35.9	-	-	-	-	-
-	<b>MANUFACTURING</b> . . . . .	41.0	40.6	40.7	41.0	40.6	3.8	3.6	3.5	3.7	3.4
19,24,25,32-39	<b>DURABLE GOODS</b> . . . . .	41.5	41.0	41.2	41.5	41.1	4.0	3.6	3.6	3.9	3.5
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	40.3	40.2	40.0	40.2	40.0	3.6	3.5	3.4	3.6	3.3
	Durable Goods . . . . .	-	-	-	-	-	-	-	-	-	-
19	ORDNANCE AND ACCESSORIES . . . . .	42.0	41.7	41.0	42.3	41.6	-	3.7	3.3	4.4	3.8
192	Ammunition; except for small arms . . . . .	41.6	41.4	40.5	42.0	41.4	-	3.6	3.1	4.3	3.7
1925	Complete guided missiles . . . . .	-	41.5	41.4	42.6	42.1	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec . . . . .	-	41.3	39.9	41.6	40.9	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS . . . . .	40.9	41.1	40.7	40.5	40.1	-	4.1	4.0	4.0	3.8
242	Sawmills and planing mills . . . . .	41.4	41.3	40.9	40.9	40.7	-	4.4	4.3	4.2	4.0
2421	Sawmills and planing mills, general . . . . .	-	41.4	41.0	40.8	40.8	-	-	-	-	-
243	Millwork, plywood & related products . . . . .	41.2	41.8	41.1	41.3	41.4	-	4.3	4.0	4.1	4.0
2431	Millwork . . . . .	-	41.1	40.1	41.0	41.7	-	-	-	-	-
2432	Veneer and plywood . . . . .	-	42.5	42.0	41.6	41.1	-	-	-	-	-
244	Wooden containers . . . . .	39.3	40.1	40.2	40.2	40.1	-	3.1	3.3	3.4	3.1
2441,2	Wooden boxes, shooks, and crates . . . . .	-	40.3	40.0	39.9	39.8	-	-	-	-	-
249	Miscellaneous wood products . . . . .	40.6	41.0	40.3	40.6	40.2	-	3.6	3.5	3.7	3.6
25	FURNITURE AND FIXTURES . . . . .	41.3	41.2	40.3	41.1	40.8	-	3.7	3.1	3.6	3.1
251	Household furniture . . . . .	41.2	41.0	40.9	40.9	40.4	-	3.4	2.8	3.4	2.9
2511	Wood household furniture . . . . .	-	41.7	40.8	41.1	40.8	-	-	-	-	-
2512	Upholstered household furniture . . . . .	-	40.3	39.1	40.5	39.3	-	-	-	-	-
2515	Mattresses and bedsprings . . . . .	-	40.2	39.9	40.3	40.2	-	-	-	-	-
252	Office furniture . . . . .	-	43.1	42.1	42.7	42.2	-	5.0	4.4	4.2	2.9
254	Partitions and fixtures . . . . .	-	41.0	41.0	41.8	42.3	-	3.8	3.9	4.3	4.6
253,9	Other furniture and fixtures . . . . .	41.6	41.8	40.4	40.7	41.4	-	4.5	3.3	3.6	3.8
32	STONE, CLAY, AND GLASS PRODUCTS . . . . .	42.3	42.3	42.1	42.2	42.1	-	4.8	4.6	4.9	4.6
321	Flat glass . . . . .	-	41.6	41.3	42.4	41.7	-	3.3	4.3	4.0	2.3
322	Glass and glassware, pressed or blown . . . . .	40.6	41.0	40.9	40.1	40.0	-	4.7	4.6	4.3	4.1
3221	Glass containers . . . . .	-	41.2	41.6	40.2	40.4	-	-	-	-	-
3229	Pressed and blown glass, n e c . . . . .	-	40.6	39.9	39.9	39.4	-	-	-	-	-
324	Cement, hydraulic . . . . .	41.8	41.8	42.1	41.5	41.0	-	2.9	2.9	2.5	2.4
325	Structural clay products . . . . .	41.0	41.0	41.0	41.3	40.9	-	3.9	3.9	3.9	3.6
3251	Brick and structural clay tile . . . . .	-	41.9	41.8	42.4	41.9	-	-	-	-	-
326	Pottery and related products . . . . .	-	39.2	38.7	39.7	39.4	-	2.0	2.2	2.4	2.2
327	Concrete, gypsum and plaster products . . . . .	45.9	45.7	45.9	45.6	45.6	-	7.6	7.3	7.8	7.5
328,9	Other stone and nonmetallic mineral products . . . . .	41.0	41.0	40.8	41.7	41.6	-	3.4	3.1	3.8	3.6
3291	Abrasive products . . . . .	-	38.4	39.9	40.8	40.4	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
33	<b>PRIMARY METAL INDUSTRIES</b> .....	\$145.48	\$142.00	\$148.75	\$138.92	\$137.42	\$3.61	\$3.55	\$3.55	\$3.38	\$3.36
331	Blast furnace and basic steel products ..	(*)	144.01	157.13	145.89	144.00	(*)	3.77	3.75	3.62	3.60
3312	Blast furnaces and steel mills .....	-	144.77	159.60	147.53	145.64	-	3.83	3.80	3.67	3.65
332	Iron and steel foundries .....	141.37	137.03	137.52	127.82	128.54	3.35	3.31	3.29	3.08	3.09
3321	Gray iron foundries .....	-	139.86	139.50	129.63	132.06	-	3.33	3.29	3.05	3.10
3322	Malleable iron foundries .....	-	138.85	134.46	128.72	126.08	-	3.42	3.37	3.21	3.16
3323	Steel foundries .....	-	131.22	133.58	124.09	122.71	-	3.24	3.25	3.11	3.06
333,4	Nonferrous metals .....	146.97	144.40	143.65	138.22	135.98	3.45	3.43	3.38	3.26	3.23
3334	Primary aluminum .....	-	159.39	155.74	143.66	141.17	-	3.85	3.78	3.47	3.46
335	Nonferrous rolling and drawing .....	145.09	143.56	142.19	134.93	131.04	3.39	3.37	3.33	3.16	3.12
3351	Copper rolling and drawing .....	-	144.75	147.90	140.94	134.94	-	3.39	3.40	3.24	3.19
3352	Aluminum rolling and drawing .....	-	148.01	147.71	136.21	133.76	-	3.45	3.38	3.22	3.20
3357	Nonferrous wire drawing and insulating ..	-	140.58	136.54	131.40	127.87	-	3.30	3.29	3.07	3.03
336	Nonferrous foundries .....	131.24	127.80	125.42	125.47	121.06	3.17	3.14	3.12	2.96	2.96
3361	Aluminum castings .....	-	130.70	126.54	120.18	120.77	-	3.18	3.14	2.96	2.96
3362,9	Other nonferrous castings .....	-	124.53	123.60	121.18	121.36	-	3.09	3.09	2.97	2.96
339	Miscellaneous primary metal products ...	160.78	154.50	156.79	146.20	146.62	3.81	3.75	3.76	3.54	3.55
3391	Iron and steel forgings .....	-	158.36	161.90	149.74	150.92	-	3.91	3.92	3.67	3.69
34	<b>FABRICATED METAL PRODUCTS</b> .....	135.36	132.09	130.41	126.42	123.97	3.20	3.16	3.15	3.01	2.98
341	Metal cans .....	173.88	176.53	170.57	148.58	147.50	3.78	3.78	3.70	3.40	3.36
342	Cutlery, hand tools, and hardware .....	126.58	123.00	122.41	122.01	117.96	3.05	3.00	3.03	2.94	2.87
3421,3,5	Cutlery and hand tools, incl. saws .....	-	117.62	118.26	115.49	111.23	-	2.89	2.92	2.81	2.76
3429	Hardware, n e c .....	-	126.48	124.93	125.93	122.30	-	3.07	3.10	3.02	2.94
343	Plumbing and heating, except electric ...	121.88	120.18	117.38	117.42	114.33	2.98	2.96	2.92	2.85	2.83
3431,2	Sanitary ware & plumbers' brass goods ..	-	120.39	117.45	117.91	116.76	-	2.98	2.90	2.89	2.89
3433	Heating equipment, except electric .....	-	120.36	116.91	116.90	111.63	-	2.95	2.93	2.81	2.77
344	Fabricated structural metal products ....	131.25	128.75	125.97	126.42	123.73	3.14	3.11	3.08	3.01	2.96
3441	Fabricated structural steel .....	-	129.78	129.89	126.12	124.86	-	3.15	3.10	3.01	2.98
3442	Metal doors, sash, and trim .....	-	110.57	104.54	105.47	103.32	-	2.71	2.66	2.56	2.52
3443	Fabricated plate work (boiler shops) ..	-	136.03	132.60	138.24	134.39	-	3.27	3.25	3.20	3.14
3444	Sheet metal work .....	-	132.57	130.73	128.52	127.08	-	3.21	3.22	3.15	3.13
3446,9	Architectural and misc. metal work ...	-	131.44	126.77	126.10	121.98	-	3.10	3.04	2.96	2.87
345	Screw machine products, bolts, etc. ....	139.28	133.65	133.34	128.87	125.67	3.18	3.13	3.13	2.99	2.95
3451	Screw machine products .....	-	126.48	126.72	123.12	119.99	-	2.99	3.01	2.87	2.83
3452	Bolts, nuts, rivets, and washers .....	-	140.51	139.32	134.66	130.97	-	3.26	3.24	3.11	3.06
346	Metal stampings .....	154.50	148.40	147.84	138.14	134.37	3.56	3.50	3.52	3.22	3.23
347	Metal stampings, n e c .....	116.31	113.96	112.16	109.88	109.20	2.83	2.80	2.79	2.68	2.67
348	Misc. fabricated wire products .....	116.85	114.77	117.55	112.20	109.89	2.85	2.82	2.86	2.75	2.72
349	Misc. fabricated metal products .....	128.54	126.48	126.07	123.43	120.13	3.09	3.07	3.06	2.96	2.93
3494,8	Valves, pipe, and pipe fittings .....	-	128.33	127.82	126.84	122.48	-	3.13	3.11	3.02	2.98
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	142.80	139.44	140.11	136.10	133.24	3.40	3.36	3.36	3.21	3.18
351	Engines and turbines .....	147.74	145.56	151.06	148.75	141.86	3.63	3.63	3.64	3.50	3.46
3511	Steam engines and turbines .....	-	145.47	153.03	155.30	142.62	-	3.73	3.76	3.57	3.47
3519	Internal combustion engines, n e c .....	-	145.40	150.48	146.09	141.11	-	3.59	3.60	3.47	3.45
352	Farm machinery .....	-	130.20	132.72	126.80	125.14	-	3.33	3.36	3.17	3.16
353	Construction and related machinery .....	141.70	140.53	142.04	133.44	131.24	3.39	3.37	3.39	3.20	3.17
3531,2	Construction and mining machinery .....	-	146.56	146.14	134.56	132.36	-	3.54	3.53	3.29	3.26
3533	Oil field machinery .....	-	133.34	132.60	127.56	126.90	-	3.13	3.12	3.03	3.00
3535,6	Conveyors, hoists, cranes, monorails ..	-	139.20	146.73	137.14	134.47	-	3.26	3.35	3.16	3.12
3537	Industrial trucks and tractors .....	-	128.02	128.65	128.57	122.13	-	3.07	3.10	2.99	2.95
354	Metal working machinery .....	159.58	153.00	157.11	153.28	150.77	3.66	3.60	3.62	3.46	3.45
3541	Machine tools, metal cutting types .....	-	146.08	149.67	152.78	147.74	-	3.52	3.53	3.38	3.35
3544	Special dies, tools, jigs & fixtures ..	-	170.33	177.18	169.50	166.80	-	3.88	3.92	3.75	3.74
3545	Machine tool accessories .....	-	136.04	143.19	134.62	133.65	-	3.31	3.33	3.16	3.13
3542,8	Misc. metal working machinery .....	-	142.72	139.18	140.61	137.80	-	3.39	3.37	3.27	3.25
355	Special industry machinery .....	136.95	133.34	133.66	127.87	124.38	3.23	3.19	3.19	3.03	2.99
3551	Food products machinery .....	-	141.54	141.88	134.83	130.62	-	3.37	3.37	3.18	3.14
3552	Textile machinery .....	-	112.32	111.11	106.75	104.49	-	2.70	2.71	2.56	2.53
3555	Printing trades machinery .....	-	143.59	144.21	137.57	131.70	-	3.46	3.45	3.26	3.22
356	General industrial machinery .....	142.13	139.70	137.37	133.14	132.40	3.36	3.35	3.31	3.17	3.16
3561	Pumps and compressors .....	-	135.20	133.76	132.71	130.09	-	3.25	3.20	3.13	3.09
3562	Ball and roller bearings .....	-	148.43	145.78	136.75	138.57	-	3.46	3.43	3.21	3.23
3564	Blowers and fans .....	-	129.11	129.56	127.75	124.98	-	3.18	3.16	3.02	2.99
3566	Power transmission equipment .....	-	135.96	135.55	129.47	129.27	-	3.30	3.29	3.15	3.13
357	Office and computing machines .....	141.02	137.69	135.46	133.56	130.31	3.39	3.35	3.32	3.18	3.14
3571	Computing machines and cash registers ..	-	142.90	140.97	140.34	137.10	-	3.46	3.43	3.31	3.28
358	Service industry machines .....	122.19	121.90	118.11	121.84	117.62	3.07	3.04	2.99	2.95	2.89
3585	Refrigeration machinery .....	-	122.19	117.81	122.36	118.32	-	3.07	2.99	2.97	2.90
359	Misc. machinery, except electrical .....	138.88	136.31	135.04	132.62	129.99	3.26	3.23	3.20	3.07	3.03

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
33	<b>PRIMARY METAL INDUSTRIES</b> . . . . .	40.3	40.0	41.9	41.1	40.9	-	3.3	4.2	3.3	3.0
331	Blast furnace and basic steel products . . .	(*)	38.2	41.9	40.3	40.0	-	1.9	3.9	2.3	1.9
3312	Blast furnaces and steel mills . . . . .	-	37.8	42.0	40.2	39.9	-	-	-	-	-
332	Iron and steel foundries . . . . .	42.2	41.4	41.8	41.5	41.6	-	4.8	5.0	4.5	4.2
3321	Gray iron foundries . . . . .	-	42.0	42.4	42.5	42.6	-	-	-	-	-
3322	Malleable iron foundries . . . . .	-	40.6	39.9	40.1	39.9	-	-	-	-	-
3323	Steel foundries . . . . .	-	40.5	41.1	39.9	40.1	-	-	-	-	-
333,4	Nonferrous metals . . . . .	42.6	42.1	42.5	42.4	42.1	-	4.3	4.2	4.6	4.6
3334	Primary aluminum . . . . .	-	41.4	41.2	41.4	40.8	-	-	-	-	-
335	Nonferrous rolling and drawing . . . . .	42.8	42.6	42.7	42.7	42.0	-	4.8	4.7	4.2	3.7
3351	Copper rolling and drawing . . . . .	-	42.7	43.5	43.5	42.3	-	-	-	-	-
3352	Aluminum rolling and drawing . . . . .	-	42.9	43.7	42.3	41.8	-	-	-	-	-
3357	Nonferrous wire drawing and insulating . . .	-	42.6	41.5	42.8	42.2	-	-	-	-	-
336	Nonferrous foundries . . . . .	41.4	40.7	40.2	40.7	40.9	-	3.8	3.5	3.5	3.4
3361	Aluminum castings . . . . .	-	41.1	40.3	40.6	40.8	-	-	-	-	-
3362,9	Other nonferrous castings . . . . .	-	40.3	40.0	40.8	41.0	-	-	-	-	-
339	Miscellaneous primary metal products . . .	42.2	41.2	41.7	41.3	41.3	-	4.5	4.6	4.0	4.3
3391	Iron and steel forgings . . . . .	-	40.5	41.3	40.8	40.9	-	-	-	-	-
34	<b>FABRICATED METAL PRODUCTS</b> . . . . .	42.3	41.8	41.4	42.0	41.6	-	4.3	4.0	4.3	3.8
341	Metal cans . . . . .	46.0	46.7	46.1	43.7	43.9	-	7.9	6.5	4.9	4.7
342	Cutlery, hand tools, and hardware . . . . .	41.5	41.0	40.4	41.5	41.1	-	3.2	2.7	3.8	3.4
3421,3,5	Cutlery and hand tools, incl. saws . . . . .	-	40.7	40.5	41.1	40.3	-	-	-	-	-
3429	Hardware, n e c . . . . .	-	41.2	40.3	41.7	41.6	-	-	-	-	-
343	Plumbing and heating, except electric . . .	40.9	40.6	40.2	41.2	40.4	-	3.1	2.5	3.2	2.6
3431,2	Sanitary ware & plumbers' brass goods . . .	-	40.4	40.5	40.8	40.4	-	-	-	-	-
3433	Heating equipment, except electric . . . . .	-	40.8	39.9	41.6	40.3	-	-	-	-	-
344	Fabricated structural metal products . . . . .	41.8	41.4	40.9	42.0	41.8	-	4.0	3.6	4.1	3.9
3441	Fabricated structural steel . . . . .	-	41.2	41.9	41.9	41.9	-	-	-	-	-
3442	Metal doors, sash, and trim . . . . .	-	40.8	39.3	41.2	41.0	-	-	-	-	-
3443	Fabricated plate work (boiler shops) . . . . .	-	41.6	40.8	43.2	42.8	-	-	-	-	-
3444	Sheet metal work . . . . .	-	41.3	40.6	40.8	40.6	-	-	-	-	-
3446,9	Architectural and misc. metal work . . . . .	-	42.4	41.7	42.6	42.5	-	-	-	-	-
345	Screw machine products, bolts, etc. . . . .	43.8	42.7	42.6	43.1	42.6	-	4.5	4.9	5.3	4.8
3451	Screw machine products . . . . .	-	42.3	42.1	42.9	42.4	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers . . . . .	-	43.1	43.0	43.3	42.8	-	-	-	-	-
346	Metal stampings . . . . .	43.4	42.4	42.0	42.9	41.6	-	5.7	5.1	5.2	4.3
347	Metal services, n e c . . . . .	41.1	40.7	40.2	41.0	40.9	-	4.0	3.8	4.0	4.0
348	Misc. fabricated wire products . . . . .	41.0	40.7	41.1	40.8	40.4	-	3.7	3.8	3.7	3.3
349	Misc. fabricated metal products . . . . .	41.6	41.2	41.2	41.7	41.0	-	3.5	3.6	3.7	3.2
3494,8	Valves, pipe, and pipe fittings . . . . .	-	41.0	41.1	42.0	41.1	-	-	-	-	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> . . . . .	42.0	41.5	41.7	42.4	41.9	-	3.7	3.7	4.3	4.1
351	Engines and turbines . . . . .	40.7	40.1	41.5	42.5	41.0	-	3.9	3.9	4.7	4.0
3511	Steam engines and turbines . . . . .	-	39.0	40.7	43.5	41.1	-	-	-	-	-
3519	Internal combustion engines, n e c . . . . .	-	40.5	41.8	42.1	40.9	-	-	-	-	-
352	Farm machinery . . . . .	-	39.1	39.5	40.0	39.6	-	2.0	2.2	2.4	2.3
353	Construction and related machinery . . . . .	41.8	41.7	41.9	41.7	41.4	-	3.7	3.8	3.5	3.4
3531,2	Construction and mining machinery . . . . .	-	41.4	41.4	40.9	40.6	-	-	-	-	-
3533	Oil field machinery . . . . .	-	42.6	42.5	42.1	42.3	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails . . . . .	-	42.7	43.8	43.4	43.1	-	-	-	-	-
3537	Industrial trucks and tractors . . . . .	-	41.7	41.5	43.0	41.4	-	-	-	-	-
354	Metal working machinery . . . . .	43.6	42.5	43.4	44.3	43.7	-	4.7	4.9	5.9	5.7
3541	Machine tools, metal cutting types . . . . .	-	41.5	42.4	45.2	44.1	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures . . . . .	-	43.9	45.2	45.2	44.6	-	-	-	-	-
3545	Machine tool accessories . . . . .	-	41.1	43.0	42.6	42.7	-	-	-	-	-
3542,8	Misc. metal working machinery . . . . .	-	42.1	41.3	43.0	42.4	-	-	-	-	-
355	Special industry machinery . . . . .	42.4	41.8	41.9	42.2	41.6	-	3.8	3.9	4.0	3.6
3551	Food products machinery . . . . .	-	42.0	42.1	42.4	41.6	-	-	-	-	-
3552	Textile machinery . . . . .	-	41.6	41.0	41.7	41.3	-	-	-	-	-
3555	Printing trades machinery . . . . .	-	41.5	41.8	42.2	40.9	-	-	-	-	-
356	General industrial machinery . . . . .	42.3	41.7	41.5	42.0	41.9	-	3.7	3.5	3.9	3.9
3561	Pumps and compressors . . . . .	-	41.6	41.8	42.4	42.1	-	-	-	-	-
3562	Ball and roller bearings . . . . .	-	42.9	42.5	42.6	42.9	-	-	-	-	-
3564	Blowers and fans . . . . .	-	40.6	41.0	42.3	41.8	-	-	-	-	-
3566	Power transmission equipment . . . . .	-	41.2	41.2	41.1	41.3	-	-	-	-	-
357	Office and computing machines . . . . .	41.6	41.1	40.8	42.0	41.5	-	2.3	2.0	3.0	3.1
3571	Computing machines and cash registers . . .	-	41.3	41.1	42.4	41.8	-	-	-	-	-
358	Service industry machines . . . . .	39.8	40.1	39.5	41.3	40.7	-	2.3	2.6	3.5	2.6
3585	Refrigeration machinery . . . . .	-	39.8	39.4	41.2	40.8	-	-	-	-	-
359	Misc. machinery, except electrical . . . . .	42.6	42.2	42.2	43.2	42.9	-	4.8	4.8	5.4	5.4

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES .....	\$120.36	\$117.97	\$116.51	\$112.31	\$111.76	\$2.95	\$2.92	\$2.92	\$2.78	\$2.78
361	Electric test & distributing equipment .....	125.36	123.93	124.23	122.01	119.19	3.05	3.03	3.03	2.94	2.90
3611	Electric measuring instruments .....	-	114.09	114.65	108.00	105.07	-	2.81	2.81	2.68	2.64
3612	Transformers .....	-	128.03	128.96	126.84	125.58	-	3.10	3.10	3.02	2.99
3613	Switchgear and switchboard apparatus .....	-	129.02	128.93	130.51	126.88	-	3.17	3.16	3.10	3.05
362	Electrical industrial apparatus .....	124.23	122.51	123.93	119.14	117.05	3.03	3.01	3.03	2.92	2.89
3621	Motors and generators .....	-	123.93	126.07	121.95	120.72	-	3.03	3.06	2.96	2.93
3622	Industrial controls .....	-	117.31	117.60	113.88	109.98	-	2.94	2.94	2.84	2.82
363	Household appliances .....	131.46	128.64	125.60	120.54	119.60	3.16	3.13	3.14	2.94	2.99
3632	Household refrigerators and freezers .....	-	140.22	135.94	125.97	130.49	-	3.42	3.39	3.05	3.23
3633	Household laundry equipment .....	-	137.94	130.54	135.88	133.44	-	3.30	3.28	3.22	3.20
3634	Electric housewares and fans .....	-	101.56	98.03	100.15	97.07	-	2.52	2.52	2.51	2.47
364	Electric lighting and wiring equipment .....	111.78	110.15	108.35	104.67	105.06	2.76	2.74	2.75	2.63	2.62
3641	Electric lamps .....	-	111.20	108.08	106.00	107.20	-	2.78	2.75	2.67	2.68
3642	Lighting fixtures .....	-	109.75	108.42	103.49	107.46	-	2.73	2.78	2.64	2.66
3643,4	Wiring devices .....	-	110.02	108.26	104.52	102.40	-	2.73	2.72	2.60	2.56
365	Radio and TV receiving equipment .....	100.73	99.79	95.48	96.56	95.68	2.55	2.52	2.48	2.42	2.41
366	Communication equipment .....	135.62	132.52	129.12	126.79	125.76	3.26	3.24	3.22	3.10	3.09
3661	Telephone and telegraph apparatus .....	-	135.46	126.10	128.84	126.86	-	3.32	3.25	3.15	3.14
3662	Radio and TV communication equipment .....	-	131.61	130.97	126.28	125.26	-	3.21	3.21	3.08	3.07
367	Electronic components and accessories .....	102.43	101.77	100.10	95.50	94.86	2.58	2.57	2.56	2.43	2.42
3671-3	Electron tubes .....	-	109.93	108.70	109.35	109.34	-	2.79	2.78	2.70	2.68
3674,9	Other electronic components .....	-	99.79	98.14	92.04	91.18	-	2.52	2.51	2.36	2.35
369	Misc. electrical equipment & supplies .....	134.37	130.65	127.52	120.47	120.80	3.23	3.21	3.18	2.96	2.99
3694	Engine electrical equipment .....	-	133.51	133.06	123.22	124.40	-	3.38	3.36	3.05	3.11
37	TRANSPORTATION EQUIPMENT .....	157.93	149.97	152.52	147.48	143.52	3.69	3.64	3.64	3.47	3.45
371	Motor vehicles and equipment .....	(*)	157.82	163.24	155.88	148.51	(*)	3.84	3.85	3.60	3.57
3711	Motor vehicles .....	-	157.99	165.06	163.60	151.40	-	4.01	3.93	3.66	3.72
3712	Passenger car bodies .....	-	192.62	164.83	168.48	183.61	-	4.49	4.04	3.90	4.31
3713	Truck and bus bodies .....	-	130.57	132.75	127.51	121.80	-	3.24	3.23	3.08	3.00
3714	Motor vehicle parts and accessories .....	-	159.98	167.14	153.29	150.52	-	3.80	3.86	3.59	3.55
3715	Truck trailers .....	-	121.29	120.88	105.92	107.59	-	2.98	2.97	2.78	2.78
372	Aircraft and parts .....	152.52	152.04	150.72	147.90	147.05	3.64	3.62	3.58	3.48	3.46
3721	Aircraft .....	-	152.82	151.01	148.19	147.42	-	3.63	3.57	3.52	3.51
3722	Aircraft engines and engine parts .....	-	150.79	149.19	147.55	146.63	-	3.66	3.63	3.48	3.45
3723,9	Other aircraft parts and equipment .....	-	150.88	151.59	148.72	146.50	-	3.55	3.55	3.38	3.36
373	Ship and boat building and repairing .....	(*)	136.91	134.34	133.98	130.54	(*)	3.44	3.35	3.30	3.28
3731	Ship building and repairing .....	-	145.20	141.55	140.48	137.26	-	3.63	3.53	3.46	3.44
3732	Boat building and repairing .....	-	103.09	106.00	105.30	101.14	-	2.65	2.65	2.60	2.58
374	Railroad equipment .....	-	138.84	139.04	130.81	133.23	-	3.56	3.52	3.38	3.39
375,9	Other transportation equipment .....	-	113.03	110.16	105.37	104.81	-	2.75	2.72	2.57	2.55
38	INSTRUMENTS AND RELATED PRODUCTS ..	122.21	120.90	119.39	119.23	117.55	3.01	3.00	2.97	2.88	2.86
381	Engineering & scientific instruments .....	-	133.90	136.04	138.57	135.15	-	3.29	3.31	3.23	3.18
382	Mechanical measuring & control devices ..	118.30	117.01	115.24	115.62	112.03	2.95	2.94	2.91	2.82	2.78
3821	Mechanical measuring devices .....	-	117.91	117.51	117.38	113.65	-	2.97	2.96	2.87	2.82
3822	Automatic temperature controls .....	-	115.60	112.58	112.75	110.42	-	2.89	2.85	2.75	2.74
383,5	Optical and ophthalmic goods .....	113.12	111.48	109.69	108.79	108.09	2.80	2.78	2.77	2.66	2.63
385	Ophthalmic goods .....	-	101.09	98.67	95.68	94.80	-	2.54	2.53	2.41	2.37
384	Medical instruments and supplies .....	104.40	102.43	101.91	101.30	99.85	2.61	2.58	2.58	2.52	2.49
386	Photographic equipment and supplies .....	(*)	151.23	145.69	141.71	141.95	(*)	3.55	3.42	3.35	3.34
387	Watches, clocks, and watchcases .....	-	91.96	90.52	94.83	94.00	-	2.42	2.44	2.33	2.35
39	MISC. MANUFACTURING INDUSTRIES .....	98.89	97.86	96.36	93.06	92.04	2.51	2.49	2.49	2.35	2.33
391	Jewelry, silverware, and plated ware .....	111.88	109.42	106.92	108.53	106.23	2.79	2.77	2.77	2.66	2.61
394	Toys and sporting goods .....	-	88.14	86.49	84.14	83.71	-	2.26	2.27	2.13	2.13
3941-3	Games, toys, dolls & play vehicles .....	-	83.98	82.78	79.76	79.97	-	2.17	2.19	2.04	2.04
3949	Sporting and athletic goods, n e c .....	-	95.35	92.49	91.83	89.27	-	2.42	2.39	2.29	2.26
395	Pens, pencils, office and art supplies .....	-	99.94	96.29	90.46	91.64	-	2.48	2.45	2.29	2.32
396	Cosume jewelry and notions .....	-	89.01	88.32	83.64	83.64	-	2.33	2.30	2.15	2.15
393,8,9	Other manufacturing industries .....	107.60	105.21	104.15	99.65	97.96	2.69	2.65	2.65	2.51	2.48
393	Musical instruments and parts .....	-	104.81	104.27	102.51	100.84	-	2.64	2.66	2.55	2.54
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS .....	116.20	114.96	115.92	110.09	107.94	2.80	2.77	2.80	2.64	2.62
201	Meat products .....	127.26	124.62	124.49	119.71	115.09	3.03	2.96	2.95	2.81	2.76
2011	Meat packing plants .....	-	148.26	147.49	143.12	136.31	-	3.44	3.43	3.29	3.23
2013	Sausages and other prepared meats .....	-	133.72	136.18	129.02	126.96	-	3.23	3.25	3.05	3.03
2015	Poultry dressing plants .....	-	78.36	78.53	73.98	72.62	-	1.93	1.92	1.80	1.78

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Durable Goods--Continued</i>											
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	40.8	40.4	39.9	40.4	40.2	-	2.7	2.3	2.7	2.4
361	Electric test & distributing equipment	41.1	40.9	41.0	41.5	41.1	-	2.6	2.8	3.4	2.9
3611	Electric measuring instruments	-	40.6	40.8	40.3	39.8	-	-	-	-	-
3612	Transformers	-	41.3	41.6	42.0	42.0	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	40.7	40.8	42.1	41.6	-	-	-	-	-
362	Electrical industrial apparatus	41.0	40.7	40.9	40.8	40.5	-	2.8	2.9	3.0	2.7
3621	Motors and generators	-	40.9	41.2	41.2	41.2	-	-	-	-	-
3622	Industrial controls	-	39.9	40.0	40.1	39.0	-	-	-	-	-
363	Household appliances	41.6	41.1	40.0	41.0	40.0	-	3.5	2.6	3.1	2.5
3632	Household refrigerators and freezers	-	41.0	40.1	41.3	40.4	-	-	-	-	-
3633	Household laundry equipment	-	41.8	39.8	42.2	41.7	-	-	-	-	-
3634	Electric housewares and fans	-	40.3	38.9	39.9	39.3	-	-	-	-	-
364	Electric lighting and wiring equipment	40.5	40.2	39.4	39.8	40.1	-	2.7	2.1	2.3	2.4
3641	Electric lamps	-	40.0	39.3	39.7	40.0	-	-	-	-	-
3642	Lighting fixtures	-	40.2	39.0	39.2	40.4	-	-	-	-	-
3643,4	Wiring devices	-	40.3	39.8	40.2	40.0	-	-	-	-	-
365	Radio and TV receiving equipment	39.5	39.6	38.5	39.9	39.7	-	2.3	1.4	2.7	2.3
366	Communication equipment	41.6	40.9	40.1	40.9	40.7	-	2.7	2.2	3.0	2.5
3661	Telephone and telegraph apparatus	-	40.8	38.8	40.9	40.4	-	-	-	-	-
3662	Radio and TV communication equipment	-	41.0	40.8	41.0	40.8	-	-	-	-	-
367	Electronic components and accessories	39.7	39.6	39.1	39.3	39.2	-	2.4	2.0	2.0	1.7
3671-3	Electron tubes	-	39.4	39.1	40.5	40.8	-	-	-	-	-
3674,9	Other electronic components	-	39.6	39.1	39.0	38.8	-	-	-	-	-
369	Misc. electrical equipment & supplies	41.6	40.7	40.1	40.7	40.4	-	3.5	2.3	2.8	2.6
3694	Engine electrical equipment	-	39.5	39.6	40.4	40.0	-	-	-	-	-
37	<b>TRANSPORTATION EQUIPMENT</b>	42.8	41.2	41.9	42.5	41.6	-	4.0	4.3	4.7	4.2
371	Motor vehicles and equipment	(*)	41.1	42.4	43.3	41.6	-	4.7	5.1	5.3	4.4
3711	Motor vehicles	-	39.4	42.0	44.7	40.7	-	-	-	-	-
3712	Passenger car bodies	-	42.9	40.8	43.2	42.6	-	-	-	-	-
3713	Truck and bus bodies	-	40.3	41.1	41.4	40.6	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.1	43.3	42.7	42.4	-	-	-	-	-
3715	Truck trailers	-	40.7	40.7	38.1	38.7	-	-	-	-	-
372	Aircraft and parts	41.9	42.0	42.1	42.5	42.5	-	3.7	3.8	4.8	4.7
3721	Aircraft	-	42.1	42.3	42.1	42.0	-	-	-	-	-
3722	Aircraft engines and engine parts	-	41.2	41.1	42.4	42.5	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	42.5	42.7	44.0	43.6	-	-	-	-	-
373	Ship and boat building and repairing	(*)	39.8	40.1	40.6	39.8	-	3.2	3.1	3.2	2.9
3731	Ship building and repairing	-	40.0	40.1	40.6	39.9	-	-	-	-	-
3732	Boat building and repairing	-	38.9	40.0	40.5	39.2	-	-	-	-	-
374	Railroad equipment	-	39.0	39.5	38.7	39.3	-	1.9	1.7	1.8	1.9
375,9	Other transportation equipment	-	41.1	40.5	41.0	41.1	-	3.9	3.3	3.9	3.8
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	40.6	40.3	40.2	41.4	41.1	-	2.5	2.3	3.2	2.8
381	Engineering & scientific instruments	-	40.7	41.1	42.9	42.5	-	2.5	2.7	4.1	3.6
382	Mechanical measuring & control devices	40.1	39.8	39.6	41.0	40.3	-	2.4	2.1	3.2	2.6
3821	Mechanical measuring devices	-	39.7	39.7	40.9	40.3	-	-	-	-	-
3822	Automatic temperature controls	-	40.0	39.5	41.0	40.3	-	-	-	-	-
383,5	Optical and ophthalmic goods	40.4	40.1	39.6	40.9	41.1	-	2.4	1.6	2.8	2.7
385	Ophthalmic goods	-	39.8	39.0	39.7	40.0	-	2.0	1.5	2.0	1.9
384	Medical instruments and supplies	40.0	39.7	39.5	40.2	40.1	-	2.3	1.9	2.4	2.3
386	Photographic equipment and supplies	(*)	42.6	42.6	42.3	42.5	-	3.4	3.5	3.6	3.3
387	Watches, clocks, and watch cases	-	38.0	37.1	40.7	40.0	-	1.5	1.2	2.3	1.8
39	<b>MISC. MANUFACTURING INDUSTRIES</b>	39.4	39.3	38.7	39.6	39.5	-	2.5	2.0	2.8	2.6
391	Jewelry, silverware, and plated ware	40.1	39.5	38.6	40.8	40.7	-	2.8	1.9	4.2	3.4
394	Toys and sporting goods	-	39.0	38.1	39.5	39.3	-	2.4	2.1	3.0	2.9
3941-3	Games, toys, dolls, & play vehicles	-	38.7	37.8	39.1	39.2	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.4	38.7	40.1	39.5	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	40.3	39.3	39.5	39.5	-	2.3	1.6	2.3	1.8
396	Costume jewelry and notions	-	38.2	38.4	38.9	38.9	-	2.2	1.6	2.3	2.5
393,8,9	Other manufacturing industries	40.0	39.7	39.3	39.7	39.5	-	2.6	2.2	2.5	2.3
393	Musical instruments and parts	-	39.7	39.2	40.2	39.7	-	2.1	1.4	2.1	1.5
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	41.5	41.5	41.4	41.7	41.2	-	4.5	4.5	4.7	4.2
201	Meat products	42.0	42.1	42.2	42.6	41.7	-	4.9	5.0	5.5	4.6
2011	Meat packing plants	-	43.1	43.0	43.5	42.2	-	-	-	-	-
2013	Sausages and other prepared meats	-	41.4	41.9	42.3	41.9	-	-	-	-	-
2015	Poultry dressing plants	-	40.6	40.9	41.1	40.8	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products .....	\$122.25	\$121.13	\$121.84	\$115.75	\$114.44	\$2.89	\$2.85	\$2.84	\$2.73	\$2.68
2024	Ice cream and frozen desserts .....	-	120.67	121.69	116.85	115.37	-	2.88	2.87	2.85	2.76
2026	Fluid milk .....	-	127.41	128.17	122.97	120.40	-	2.97	2.96	2.84	2.80
203	Canned, cured, and frozen foods .....	-	95.99	92.04	92.43	85.31	-	2.37	2.36	2.26	2.21
2031,6	Canned, cured, and frozen sea foods .....	-	81.00	82.60	68.25	66.64	-	2.16	2.14	1.95	1.96
2032,3	Canned food, except sea foods .....	-	100.12	93.90	99.06	89.60	-	2.43	2.42	2.32	2.28
2037	Frozen fruits and vegetables .....	-	90.68	87.53	85.02	83.07	-	2.25	2.25	2.18	2.13
204	Grain mill products .....	134.65	131.82	130.87	128.16	126.86	2.94	2.91	2.87	2.78	2.74
2041	Flour and other grain mill products .....	-	141.30	138.06	135.20	132.07	-	3.00	2.95	2.92	2.89
2042	Prepared feeds for animals and fowls .....	-	117.30	119.45	113.53	113.01	-	2.55	2.52	2.39	2.33
205	Bakery products .....	114.17	112.84	113.81	110.29	108.41	2.84	2.80	2.81	2.73	2.69
2051	Bread, cake, and related products .....	-	115.02	115.59	112.06	111.24	-	2.84	2.84	2.76	2.74
2052	Cookies and crackers .....	-	105.32	107.86	103.60	98.42	-	2.68	2.71	2.59	2.53
206	Sugar .....	-	129.47	128.39	121.44	126.38	-	3.15	3.17	3.09	3.09
207	Confectionery and related products .....	100.28	98.98	96.08	94.71	94.99	2.47	2.45	2.47	2.31	2.30
2071	Confectionery products .....	-	95.44	92.64	90.35	91.46	-	2.38	2.40	2.22	2.22
208	Beverages .....	133.17	133.72	134.37	126.28	126.35	3.28	3.23	3.23	3.08	3.03
2082	Malt liquors .....	-	174.26	174.71	164.36	163.49	-	4.24	4.22	3.97	3.93
2086	Bottled and canned soft drinks .....	-	103.39	105.72	94.53	97.55	-	2.45	2.47	2.30	2.29
209	Misc. foods and kindred products .....	116.48	115.51	115.64	108.16	107.84	2.78	2.77	2.76	2.60	2.58
21	<b>TOBACCO MANUFACTURES</b> .....	93.46	95.55	99.53	86.33	87.98	2.36	2.45	2.64	2.18	2.25
211	Cigarettes .....	-	120.87	117.50	105.36	109.69	-	3.06	3.06	2.78	2.77
212	Cigars .....	-	76.80	74.37	72.29	68.82	-	2.00	2.01	1.83	1.84
22	<b>TEXTILE MILL PRODUCTS</b> .....	94.24	92.51	89.19	86.94	83.84	2.26	2.24	2.17	2.10	2.04
221	Weaving mills, cotton .....	93.34	91.39	87.31	88.62	83.42	2.26	2.24	2.14	2.12	2.01
222	Weaving mills, synthetics .....	102.99	101.41	96.80	91.38	86.31	2.33	2.31	2.21	2.15	2.05
223	Weaving and finishing mills, wool .....	98.98	97.44	97.16	93.72	93.09	2.34	2.32	2.27	2.20	2.14
224	Narrow fabric mills .....	90.50	90.09	88.75	83.23	82.42	2.24	2.23	2.17	2.05	2.02
225	Knitting mills .....	87.02	85.14	82.32	77.41	76.64	2.17	2.15	2.10	1.99	1.96
2251	Women's hosiery, except socks .....	-	86.43	81.59	77.81	77.81	-	2.15	2.05	1.96	1.95
2252	Hosiery, n e c .....	-	73.11	72.15	65.31	67.90	-	1.96	1.95	1.77	1.75
2253	Knit outerwear mills .....	-	88.14	84.36	81.11	80.35	-	2.26	2.22	2.14	2.12
2254	Knit underwear mills .....	-	79.59	79.20	72.00	69.54	-	2.02	2.00	1.87	1.83
226	Textile finishing, except wool .....	100.62	98.59	95.40	96.90	91.10	2.39	2.37	2.31	2.28	2.19
227	Floor covering mills .....	-	101.43	95.85	95.03	93.72	-	2.30	2.25	2.15	2.13
228	Yarn and thread mills .....	87.56	87.78	84.66	80.54	76.92	2.12	2.11	2.04	1.95	1.89
229	Miscellaneous textile goods .....	105.65	103.99	99.12	99.96	95.76	2.48	2.47	2.40	2.33	2.28
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	81.45	81.40	79.06	74.73	74.42	2.25	2.23	2.19	2.07	2.05
231	Men's and boys' suits and coats .....	102.64	100.81	94.86	90.40	87.97	2.68	2.66	2.55	2.43	2.41
232	Men's and boys' furnishings .....	71.76	71.99	70.48	64.40	64.18	1.95	1.93	1.91	1.75	1.73
2321	Men's and boys' shirts and nightwear .....	-	69.93	69.73	64.21	63.81	-	1.89	1.90	1.74	1.72
2327	Men's and boys' separate trousers .....	-	72.75	70.88	64.75	64.36	-	1.94	1.88	1.75	1.73
2328	Men's and boys' work clothing .....	-	69.93	68.61	61.54	61.49	-	1.89	1.89	1.70	1.68
233	Women's and misses' outerwear .....	83.06	83.84	81.98	77.63	77.97	2.45	2.43	2.39	2.29	2.26
2331	Women's and misses' blouses and waists .....	-	71.00	71.89	64.70	65.13	-	2.07	2.06	1.92	1.91
2335	Women's and misses' dresses .....	-	84.59	82.08	76.28	77.15	-	2.51	2.45	2.34	2.31
2337	Women's and misses' suits and coats .....	-	97.00	95.00	94.87	95.40	-	2.74	2.73	2.68	2.65
2339	Women's and misses' outerwear, n e c .....	-	73.34	72.57	67.42	66.93	-	2.06	2.05	1.91	1.88
234	Women's and children's undergarments .....	76.06	74.57	72.83	68.82	67.52	2.05	2.01	1.99	1.86	1.82
2341	Women's and children's underwear .....	-	73.09	72.15	67.88	66.73	-	1.97	1.95	1.81	1.77
2342	Corsets and allied garments .....	-	78.23	74.05	70.53	69.45	-	2.12	2.08	1.97	1.94
235	Hats, caps, and millinery .....	-	79.28	78.34	73.69	75.65	-	2.19	2.17	2.07	2.05
236	Children's outerwear .....	75.30	74.57	74.83	66.88	66.36	2.08	2.06	2.05	1.90	1.88
2361	Children's dresses and blouses .....	-	71.10	74.70	63.95	64.73	-	2.02	2.03	1.87	1.86
237,8	Fur goods and miscellaneous apparel .....	-	84.13	83.52	82.29	79.21	-	2.28	2.32	2.23	2.17
239	Misc. fabricated textile products .....	89.55	88.39	83.55	83.42	83.03	2.32	2.29	2.24	2.15	2.14
2391,2	Housefurnishings .....	-	76.63	74.48	70.62	68.38	-	1.97	1.96	1.82	1.79
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	135.47	132.62	132.32	125.85	124.41	3.10	3.07	3.07	2.92	2.90
261,2,6	Paper and pulp mills .....	154.69	151.30	151.87	143.09	141.44	3.43	3.40	3.39	3.23	3.20
263	Paperboard mills .....	158.12	154.25	156.74	147.03	144.38	3.43	3.39	3.40	3.26	3.23
264	Misc. converted paper products .....	116.76	114.54	113.44	108.73	108.32	2.80	2.76	2.76	2.62	2.61
2643	Bags, except textile bags .....	-	109.78	109.15	103.16	102.75	-	2.62	2.63	2.51	2.50
265	Paperboard containers and boxes .....	123.70	121.13	119.14	115.18	112.83	2.87	2.85	2.83	2.71	2.68
2651,2	Folding and setup paperboard boxes .....	-	106.90	105.71	101.02	100.37	-	2.62	2.61	2.47	2.46
2653	Corrugated and solid fiber boxes .....	-	133.62	127.87	125.42	121.82	-	3.03	2.96	2.87	2.82
2654	Sanitary food containers .....	-	117.04	120.13	113.36	114.70	-	2.80	2.84	2.68	2.68

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers'  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	42.3	42.5	42.9	42.4	42.7	-	4.3	4.5	4.1	4.2
2024	Ice cream and frozen desserts.....	-	41.9	42.4	41.0	41.8	-	-	-	-	-
2026	Fluid milk.....	-	42.9	43.3	43.3	43.0	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	40.5	39.0	40.9	38.6	-	4.0	3.7	4.4	3.4
2031,6	Canned, cured and frozen sea foods.....	-	37.5	38.6	35.0	34.0	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	41.2	38.8	42.7	39.3	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	40.3	38.9	39.0	39.0	-	-	-	-	-
204	Grain mill products.....	45.8	45.3	45.6	46.1	46.3	-	7.5	7.6	7.7	7.9
2041	Flour and other grain mill product.....	-	47.1	46.8	46.3	45.7	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	46.0	47.4	47.5	48.5	-	-	-	-	-
205	Bakery products.....	40.2	40.3	40.5	40.4	40.3	-	3.6	3.7	3.9	3.6
2051	Bread, cake, and related products.....	-	40.5	40.7	40.6	40.6	-	-	-	-	-
2052	Cookies and crackers.....	-	39.3	39.8	40.0	38.9	-	-	-	-	-
206	Sugar.....	-	41.1	40.5	39.3	40.9	-	3.9	3.9	4.3	3.8
207	Confectionery and related products.....	40.6	40.4	38.9	41.0	41.3	-	3.2	2.3	3.7	3.4
2071	Confectionery products.....	-	40.1	38.6	40.7	41.2	-	-	-	-	-
208	Beverages.....	40.6	41.4	41.6	41.0	41.7	-	4.3	4.4	3.5	3.9
2082	Malt liquors.....	-	41.1	41.4	41.4	41.6	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	42.2	42.8	41.1	42.6	-	-	-	-	-
209	Misc. foods and kindred products.....	41.9	41.7	41.9	41.6	41.8	-	4.7	4.6	4.7	4.4
21	<b>TOBACCO MANUFACTURES.....</b>	39.6	39.0	37.7	39.6	39.1	-	2.3	2.3	2.3	1.8
211	Cigarettes.....	-	39.5	38.4	37.9	39.6	-	2.7	3.2	1.5	1.8
212	Cigars.....	-	38.4	37.0	39.5	37.4	-	1.6	.9	2.5	1.0
22	<b>TEXTILE MILL PRODUCTS.....</b>	41.7	41.3	41.1	41.4	41.1	-	4.1	3.9	4.1	3.9
221	Weaving mills, cotton.....	41.3	40.8	40.8	41.8	41.5	-	3.7	3.7	4.3	4.2
222	Weaving mills, synthetics.....	44.2	43.9	43.8	42.5	42.1	-	5.8	5.5	4.8	4.3
223	Weaving and finishing mills, wool.....	42.3	42.0	42.8	42.6	43.5	-	4.3	4.9	4.7	5.0
224	Narrow fabric mills.....	40.4	40.4	40.9	40.6	40.8	-	3.6	3.4	3.0	3.1
225	Knitting mills.....	40.1	39.6	39.2	38.9	39.1	-	3.2	3.0	2.7	2.7
2251	Women's hosiery, except socks.....	-	40.2	39.8	39.7	39.9	-	-	-	-	-
2252	Hosiery, n e c.....	-	37.3	37.0	36.9	38.8	-	-	-	-	-
2253	Knit outerwear mills.....	-	39.0	38.0	37.9	37.9	-	-	-	-	-
2254	Knit underwear mills.....	-	39.4	39.6	38.5	38.0	-	-	-	-	-
226	Textile finishing, except wool.....	42.1	41.6	41.3	42.5	41.6	-	4.5	4.4	5.3	4.3
227	Floor covering mills.....	-	44.1	42.6	44.2	44.0	-	6.1	4.6	5.9	6.0
228	Yarn and thread mills.....	41.3	41.6	41.5	41.3	40.7	-	4.2	4.2	4.1	3.6
229	Miscellaneous textile goods.....	42.6	42.1	41.3	42.9	42.0	-	4.5	3.5	5.0	4.2
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS.....</b>	36.2	36.5	36.1	36.1	36.3	-	1.4	1.3	1.5	1.4
231	Men's and boys' suits and coats.....	38.3	37.9	37.2	37.2	36.5	-	1.6	.8	1.5	1.4
232	Men's and boys' furnishings.....	36.8	37.3	36.9	36.8	37.1	-	1.3	1.2	1.2	1.2
2321	Men's and boys' shirts and nightwear.....	-	37.0	36.7	36.9	37.1	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	37.5	37.7	37.0	37.2	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	37.0	36.3	36.2	36.6	-	-	-	-	-
233	Women's and misses' outerwear.....	33.9	34.5	34.3	33.9	34.5	-	1.2	1.2	1.3	1.3
2331	Women's and misses' blouses and waists.....	-	34.3	34.9	33.7	34.1	-	-	-	-	-
2335	Women's and misses' dresses.....	-	33.7	33.5	32.6	33.4	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	35.4	34.8	35.4	36.0	-	-	-	-	-
2339	Women's and misses' outerwear, n e c.....	-	35.6	35.4	35.3	35.6	-	-	-	-	-
234	Women's and children's undergarments.....	37.1	37.1	36.6	37.0	37.1	-	1.6	1.4	1.6	1.3
2341	Women's and children's underwear.....	-	37.1	37.0	37.5	37.7	-	-	-	-	-
2342	Corsets and allied garments.....	-	36.9	35.6	35.8	35.8	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.2	36.1	35.6	36.9	-	1.4	1.3	1.1	1.5
236	Children's outerwear.....	36.2	36.2	36.5	35.2	35.3	-	1.5	1.6	1.2	1.3
2361	Children's dresses and blouses.....	-	35.2	36.8	34.2	34.8	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	36.9	36.0	36.9	36.5	-	1.3	1.3	1.7	1.4
239	Misc. fabricated textile products.....	38.6	38.6	37.3	38.8	38.8	-	2.2	1.8	2.9	2.5
2391,2	Housefurnishings.....	-	38.9	38.0	38.8	38.2	-	-	-	-	-
26	<b>PAPER AND ALLIED PRODUCTS.....</b>	43.7	43.2	43.1	43.1	42.9	-	5.5	5.5	5.5	5.0
261,2,6	Paper and pulp mills.....	45.1	44.5	44.8	44.3	44.2	-	6.5	6.7	6.5	6.0
263	Paperboard mills.....	46.1	45.5	46.1	45.1	44.7	-	7.8	8.4	7.4	7.2
264	Misc. converted paper products.....	41.7	41.5	41.1	41.5	41.5	-	4.0	3.6	4.0	3.5
2643	Bags, except textile bags.....	-	41.9	41.5	41.1	41.1	-	-	-	-	-
265	Paperboard containers and boxes.....	43.1	42.5	42.1	42.5	42.1	-	5.0	4.8	5.1	4.5
2651,2	Folding and setup paperboard boxes.....	-	40.8	40.5	40.9	40.8	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	44.1	43.2	43.7	43.2	-	-	-	-	-
2654	Sanitary food containers.....	-	41.8	42.3	42.3	42.8	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b> .....	\$137.74	\$135.49	\$132.94	\$128.21	\$126.28	\$3.55	\$3.51	\$3.48	\$3.33	\$3.28
271	Newspapers.....	139.01	136.82	134.98	131.77	128.88	3.84	3.79	3.76	3.62	3.57
272	Periodicals.....	-	157.08	152.11	143.78	139.47	-	3.74	3.71	3.55	3.41
273	Books.....	-	126.27	121.50	111.72	114.21	-	3.05	3.03	2.85	2.82
275	Commercial printing.....	142.44	139.04	136.50	133.00	130.41	3.57	3.52	3.50	3.35	3.31
2751	Commercial printing, ex. lithographic.....	-	136.37	133.86	130.08	126.43	-	3.47	3.45	3.31	3.25
2752	Commercial printing, lithographic.....	-	143.24	140.66	138.51	137.02	-	3.59	3.57	3.42	3.40
278	Blankbooks and bookbinding.....	104.45	103.95	102.64	98.94	97.27	2.72	2.70	2.68	2.55	2.52
274,6,7,9	Other publishing & printing ind.....	135.97	137.39	135.17	127.92	128.48	3.55	3.55	3.52	3.34	3.32
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	139.35	137.19	136.45	130.31	129.17	3.31	3.29	3.28	3.14	3.12
281	Industrial chemicals.....	157.44	153.24	152.88	146.23	144.01	3.67	3.64	3.64	3.49	3.47
2812	Alkalies and chlorine.....	-	152.35	154.66	142.39	143.97	-	3.68	3.70	3.49	3.52
2818	Industrial organic chemicals, n e c.....	-	162.01	161.70	155.98	152.57	-	3.83	3.85	3.67	3.65
2819	Industrial inorganic chemicals, n e c.....	-	145.73	145.12	141.10	138.43	-	3.52	3.48	3.40	3.36
282	Plastics materials and synthetics.....	137.90	139.20	138.78	129.27	130.31	3.26	3.26	3.25	3.10	3.11
2821	Plastics materials and resins.....	-	148.58	147.22	138.88	140.28	-	3.40	3.40	3.26	3.27
2823,4	Synthetic fibers.....	-	129.25	129.02	117.67	118.66	-	3.07	3.05	2.87	2.88
283	Drugs.....	125.97	123.60	123.41	116.40	115.54	3.05	3.00	3.01	2.91	2.86
2834	Pharmaceutical preparations.....	-	117.27	116.80	111.15	110.21	-	2.91	2.92	2.85	2.79
284	Soap, cleaners, and toilet goods.....	132.61	129.24	127.12	124.23	123.12	3.18	3.16	3.17	3.03	3.04
2841	Soap and other detergents.....	-	168.44	161.41	154.82	156.65	-	3.89	3.88	3.66	3.66
2844	Toilet preparations.....	-	101.27	100.73	100.95	96.26	-	2.61	2.63	2.53	2.52
285	Paints and allied products.....	130.82	129.90	128.34	124.38	121.84	3.16	3.13	3.10	2.99	2.95
287	Agricultural chemicals.....	114.95	111.79	112.20	110.83	108.00	2.75	2.74	2.73	2.62	2.59
2871,2	Fertilizers, complete & mixing only.....	-	106.52	106.34	107.02	104.67	-	2.63	2.60	2.53	2.51
286,9	Other chemical products.....	136.03	130.33	129.97	126.46	123.07	3.27	3.21	3.17	3.04	2.98
2892	Explosives.....	-	133.79	132.80	129.15	124.34	-	3.37	3.32	3.15	3.07
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	162.86	157.78	163.18	155.16	153.44	3.77	3.73	3.76	3.60	3.56
291	Petroleum refining.....	167.09	162.27	169.92	159.18	157.88	3.95	3.91	3.97	3.79	3.75
295,9	Other petroleum and coal products.....	149.87	142.83	140.14	142.88	138.40	3.23	3.16	3.08	3.04	2.97
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b> .....	124.74	122.30	121.42	119.71	116.89	2.97	2.94	2.94	2.83	2.77
301	Tires and inner tubes.....	184.20	182.96	184.91	184.94	177.25	4.13	4.13	4.10	3.91	3.82
302,3,6	Other rubber products.....	120.47	117.10	114.17	114.54	112.47	2.91	2.87	2.84	2.76	2.71
302	Rubber footwear.....	-	98.82	103.97	96.72	93.31	-	2.66	2.58	2.48	2.43
307	Miscellaneous plastics products.....	105.83	103.98	102.72	98.16	97.17	2.55	2.53	2.53	2.40	2.37
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	86.11	85.41	85.31	80.26	80.11	2.26	2.23	2.21	2.09	2.07
311	Leather tanning and finishing.....	112.84	112.44	107.02	108.39	105.73	2.80	2.79	2.73	2.65	2.63
314	Footwear, except rubber.....	83.76	83.06	83.98	77.93	77.97	2.21	2.18	2.17	2.04	2.02
312,3,5,7,9	Other leather products.....	82.84	81.70	80.73	76.76	76.80	2.18	2.15	2.13	2.02	2.00
316	Luggage.....	-	82.35	81.16	80.38	84.25	-	2.15	2.17	2.04	2.07
317	Handbags and personal leather goods.....	-	80.94	79.25	74.45	73.50	-	2.13	2.08	1.98	1.96
	<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	-	(*)	(*)	139.63	141.68	-	(*)	(*)	3.27	3.22
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
411	Local and suburban transportation.....	-	126.90	126.78	117.04	119.97	-	3.00	2.99	2.80	2.79
413	Intercity highway transportation.....	-	161.39	154.93	150.77	157.18	-	3.71	3.68	3.49	3.54
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	146.54	145.51	139.92	137.80	-	3.44	3.44	3.30	3.25
421,3	Trucking and trucking terminals.....	-	150.23	148.75	143.14	141.01	-	3.51	3.50	3.36	3.31
422	Public warehousing.....	-	105.74	107.20	103.20	102.36	-	2.65	2.68	2.58	2.54
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	167.16	166.78	162.15	156.11	-	3.98	3.99	3.87	3.78
48	<b>COMMUNICATION</b> .....	-	125.60	124.40	118.01	114.66	-	3.14	3.11	2.98	2.94
481	Telephone communication.....	-	122.31	122.21	115.13	111.93	-	3.05	3.04	2.90	2.87
4817	Switchboard operating employees <sup>3</sup> .....	-	89.89	91.25	85.32	83.78	-	2.49	2.50	2.39	2.36
4818	Line construction employees <sup>4</sup> .....	-	173.81	173.81	160.20	154.94	-	3.82	3.82	3.60	3.57
482	Telegraph communication <sup>5</sup> .....	-	140.48	143.86	135.33	135.02	-	3.29	3.33	3.14	3.14
483	Radio and television broadcasting.....	-	143.93	133.06	133.70	130.56	-	3.70	3.52	3.50	3.40

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<i>Nondurable Goods--Continued</i>											
27	<b>PRINTING AND PUBLISHING</b> .....	38.8	38.6	38.2	38.5	38.5	-	3.4	3.0	3.4	3.1
271	Newspapers.....	36.2	36.1	35.9	36.4	36.1	-	2.4	2.4	2.9	2.5
272	Periodicals.....	-	42.0	41.0	40.5	40.9	-	5.1	3.9	5.2	4.4
273	Books.....	-	41.4	40.1	39.2	40.5	-	4.1	3.4	2.4	3.5
275	Commercial printing .....	39.9	39.5	39.0	39.7	39.4	-	3.9	3.4	4.1	3.5
2751	Commercial printing, ex. lithographic	-	39.3	38.8	39.3	38.9	-	-	-	-	-
2752	Commercial printing, lithographic ...	-	39.9	39.4	40.5	40.3	-	-	-	-	-
278	Blankbooks and bookbinding.....	38.4	38.5	38.3	38.8	38.6	-	2.6	2.2	2.7	2.6
274,6,7,9	Other publishing & printing ind.....	38.3	38.7	38.4	38.3	38.7	-	3.2	3.0	2.9	3.1
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> ..	42.1	41.7	41.6	41.5	41.4	-	3.5	3.3	3.1	2.9
281	Industrial chemicals.....	42.9	42.1	42.0	41.9	41.5	-	3.6	3.5	3.3	3.1
2812	Alkalies and chlorine.....	-	41.4	41.8	40.8	40.9	-	-	-	-	-
2818	Industrial organic chemicals, nec....	-	42.3	42.0	42.5	41.8	-	-	-	-	-
2819	Industrial inorganic chemicals, nec...	-	41.4	41.7	41.5	41.2	-	-	-	-	-
282	Plastics materials and synthetics .....	42.3	42.7	42.7	41.7	41.9	-	4.0	3.9	2.7	2.9
2821	Plastics materials and resins.....	-	43.7	43.3	42.6	42.9	-	-	-	-	-
2823,4	Synthetic fibers.....	-	42.1	42.3	41.0	41.2	-	-	-	-	-
283	Drugs.....	41.3	41.2	41.0	40.0	40.4	-	2.6	2.8	2.3	2.1
2834	Pharmaceutical preparations.....	-	40.3	40.0	39.0	39.5	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	41.7	40.9	40.1	41.0	40.5	-	3.4	2.7	3.3	3.1
2841	Soap and other detergents.....	-	43.3	41.6	42.3	42.8	-	-	-	-	-
2844	Toilet preparations.....	-	38.8	38.3	39.9	38.2	-	-	-	-	-
285	Paints and allied products.....	41.4	41.5	41.4	41.6	41.3	-	3.4	3.4	3.7	3.1
287	Agricultural chemicals.....	41.8	40.8	41.1	42.3	41.7	-	3.0	3.1	4.0	3.4
2871,2	Fertilizers, complete & mixing only..	-	40.5	40.9	42.3	41.7	-	-	-	-	-
286,9	Other chemical products.....	41.6	40.6	41.0	41.6	41.3	-	3.1	3.0	3.2	2.9
2892	Explosives.....	-	39.7	40.0	41.0	40.5	-	-	-	-	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	43.2	42.3	43.4	43.1	43.1	-	3.6	4.2	4.3	3.8
291	Petroleum refining.....	42.3	41.5	42.8	42.0	42.1	-	2.5	3.4	3.0	2.5
295,9	Other petroleum and coal products.....	46.4	45.2	45.5	47.0	46.6	-	7.1	6.9	8.7	8.1
30	<b>RUBBER AND PLASTICS PRODUCTS, NEC</b> ..	42.0	41.6	41.3	42.3	42.2	-	4.3	4.3	4.9	4.5
301	Tires and inner tubes.....	44.6	44.3	45.1	47.3	46.4	-	6.7	7.5	8.9	7.6
302,3,6	Other rubber products.....	41.4	40.8	40.2	41.5	41.5	-	3.6	3.1	4.1	3.9
302	Rubber footwear.....	-	38.6	40.3	39.0	38.4	-	1.5	2.5	1.9	2.1
307	Miscellaneous plastics products.....	41.5	41.1	40.6	40.9	41.0	-	3.8	3.9	3.9	3.7
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	38.1	38.3	38.6	38.4	38.7	-	2.0	2.1	2.0	2.1
311	Leather tanning and finishing.....	40.3	40.3	39.2	40.9	40.2	-	3.6	3.2	3.8	3.3
314	Footwear, except rubber.....	37.9	38.1	38.7	38.2	38.6	-	1.9	2.0	1.7	2.0
312,3,5-7,9	Other leather products.....	38.0	38.0	37.9	38.0	38.4	-	1.9	1.9	2.1	2.0
316	Luggage.....	-	38.3	37.4	39.4	40.7	-	1.7	1.8	2.6	2.8
317	Handbags and personal leather goods..	-	38.0	38.1	37.6	37.5	-	2.1	2.0	2.2	1.9
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>											
<b>RAILROAD TRANSPORTATION:</b>											
11	Class I railroads <sup>2</sup> .....	-	(*)	(*)	42.7	44.0	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>											
411	Local and suburban transportation.....	-	42.3	42.4	41.8	43.0	-	-	-	-	-
413	Intercity highway transportation.....	-	43.5	42.1	43.2	44.4	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	42.6	42.3	42.4	42.4	-	-	-	-	-
421,3	Trucking and trucking terminals.....	-	42.8	42.5	42.6	42.6	-	-	-	-	-
422	Public warehousing.....	-	39.9	40.0	40.0	40.3	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	42.0	41.8	41.9	41.3	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	-	40.0	40.0	39.6	39.0	-	-	-	-	-
481	Telephone communication.....	-	40.1	40.2	39.7	39.0	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> ...	-	36.1	36.5	35.7	35.5	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	-	45.5	45.5	44.5	43.4	-	-	-	-	-
482	Telegraph communication <sup>5</sup> .....	-	42.7	43.2	43.1	43.0	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.9	37.8	38.2	38.4	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>											
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	\$150.70	\$150.59	\$144.01	\$141.25	-	\$3.64	\$3.62	\$3.47	\$3.42
491	Electric companies and systems .....	-	156.61	155.45	146.62	144.84	-	3.72	3.71	3.55	3.49
492	Gas companies and systems .....	-	135.60	135.79	135.11	129.65	-	3.34	3.32	3.24	3.17
493	Combination companies and systems...	-	161.90	162.63	155.50	153.04	-	3.92	3.90	3.72	3.67
494-7	Water, steam, & sanitary systems .....	-	123.30	124.73	115.54	113.24	-	3.00	3.02	2.86	2.81
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	\$87.97	88.80	88.56	82.86	83.55	\$2.43	2.40	2.40	2.27	2.24
50	<b>WHOLESALE TRADE</b> .....	123.91	122.82	122.82	117.27	115.95	3.09	3.04	3.04	2.91	2.87
501	Motor vehicles & automotive equipment ..	-	114.96	113.30	106.71	108.16	-	2.77	2.75	2.59	2.60
502	Drugs, chemicals, and allied products...	-	124.66	123.16	121.79	120.40	-	3.14	3.11	3.06	3.01
503	Dry goods and apparel .....	-	116.82	117.04	115.06	114.13	-	3.05	3.08	3.02	2.98
504	Groceries and related products .....	-	118.28	118.30	110.70	109.59	-	2.85	2.81	2.70	2.66
506	Electrical goods .....	-	128.52	126.86	121.91	118.40	-	3.15	3.14	3.01	2.96
507	Hardware; plumbing & heating equipment	-	121.06	119.58	114.33	110.70	-	2.96	2.96	2.83	2.74
508	Machinery, equipment, and supplies .....	-	136.75	138.72	131.87	129.34	-	3.36	3.40	3.24	3.17
509	Miscellaneous wholesalers .....	-	120.99	119.99	116.22	114.91	-	3.04	3.03	2.92	2.88
52-59	<b>RETAIL TRADE</b> .....	76.08	77.33	77.33	71.66	72.60	2.18	2.16	2.16	2.03	2.00
53	Retail general merchandise .....	-	71.02	70.81	65.01	66.05	-	2.12	2.12	1.97	1.96
531	Department stores .....	-	74.48	74.81	68.76	69.47	-	2.25	2.26	2.09	2.08
532	Mail order houses .....	-	83.81	83.13	77.54	77.47	-	2.29	2.29	2.16	2.17
533	Variety stores .....	-	55.58	54.74	50.18	51.68	-	1.77	1.76	1.64	1.62
54	Food stores .....	-	81.87	81.74	75.94	77.83	-	2.38	2.39	2.26	2.23
541-3	Grocery, meat, and vegetable stores ..	-	83.04	82.90	76.84	78.75	-	2.40	2.41	2.28	2.25
56	Apparel and accessory stores .....	-	67.80	68.14	62.02	62.65	-	2.03	2.04	1.92	1.87
561	Men's & boys' clothing & furnishings ..	-	82.80	84.13	73.96	75.40	-	2.30	2.35	2.15	2.13
562	Women's ready-to-wear stores .....	-	60.72	61.37	56.82	57.25	-	1.88	1.90	1.77	1.74
565	Family clothing stores .....	-	63.36	63.17	57.42	58.03	-	1.92	1.92	1.80	1.78
566	Shoe stores .....	-	70.90	71.32	64.27	64.70	-	2.11	2.11	2.06	1.92
57	Furniture and home furnishings stores...	-	100.75	99.20	95.20	94.53	-	2.61	2.59	2.46	2.43
571	Furniture and home furnishings .....	-	100.61	98.56	95.31	93.36	-	2.62	2.58	2.45	2.40
58	Eating and drinking places <sup>6</sup> .....	-	54.90	54.74	50.28	51.70	-	1.61	1.61	1.51	1.49
52,55,59	Other retail trade .....	-	95.04	95.04	88.88	89.65	-	2.40	2.40	2.25	2.23
52	Building materials and farm equipment	-	103.25	101.92	98.05	97.48	-	2.47	2.45	2.34	2.31
551,2	Motor vehicle dealers .....	-	122.06	121.89	111.45	113.10	-	2.92	2.93	2.66	2.68
553,9	Other automotive & accessory dealers ..	-	103.82	103.87	95.67	96.14	-	2.42	2.41	2.23	2.21
591	Drug stores and proprietary stores ..	-	71.62	72.04	66.15	68.13	-	2.07	2.07	1.94	1.93
594	Book and stationery stores .....	-	83.90	84.37	79.78	82.80	-	2.37	2.35	2.26	2.25
598	Fuel and ice dealers .....	-	109.30	108.36	104.14	100.85	-	2.64	2.63	2.54	2.49
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> <sup>7</sup> .....	103.23	102.49	102.77	96.20	95.72	2.79	2.77	2.77	2.60	2.58
60	Banking .....	-	92.63	92.01	86.95	86.44	-	2.49	2.48	2.35	2.33
61	Credit agencies other than banks .....	-	93.00	94.00	89.76	89.86	-	2.48	2.50	2.40	2.39
612	Savings and loan associations .....	-	91.27	93.00	88.06	87.56	-	2.46	2.48	2.38	2.36
62	Security, commodity brokers & services...	-	170.94	175.10	149.97	149.65	-	4.44	4.56	4.01	3.98
63	Insurance carriers .....	-	106.80	106.87	103.42	102.67	-	2.91	2.92	2.78	2.76
631	Life insurance .....	-	106.74	108.06	103.66	103.94	-	2.99	3.01	2.84	2.84
632	Accident and health insurance .....	-	94.06	93.86	90.15	89.67	-	2.57	2.60	2.43	2.45
633	Fire, marine, and casualty insurance...	-	110.08	109.13	105.46	104.60	-	2.92	2.91	2.79	2.76
-	<b>SERVICES:</b>										
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> ...	-	59.98	59.41	57.15	57.22	-	1.63	1.61	1.57	1.53
721	Personal Services: Laundries and dry cleaning plants....	-	69.56	70.12	65.63	65.25	-	1.88	1.88	1.75	1.74
722	Photographic studios .....	-	81.30	82.25	74.06	76.03	-	2.29	2.33	2.11	2.16
781	Motion pictures: Motion picture filming & distributing ..	-	161.20	155.61	156.35	159.94	-	4.00	3.90	3.87	3.92

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>											
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	..	41.4	41.6	41.5	41.3	..	..	..	..	..
491	Electric companies and systems.....	..	42.1	41.9	41.3	41.5	..	..	..	..	..
492	Gas companies and systems.....	..	40.6	40.9	41.7	40.9	..	..	..	..	..
493	Combination companies and systems..	..	41.3	41.7	41.8	41.7	..	..	..	..	..
494-7	Water, steam & sanitary systems.....	..	41.1	41.3	40.4	40.3	..	..	..	..	..
<b>WHOLESALE AND RETAIL TRADE.....</b>											
50	<b>WHOLESALE TRADE.....</b>	40.1	40.4	40.4	40.3	40.4	..	..	..	..	..
501	Motor vehicles & automotive equipment.	-	41.5	41.2	41.2	41.6	..	..	..	..	..
502	Drugs, chemicals, and allied products...	-	39.7	39.6	39.8	40.0	..	..	..	..	..
503	Dry goods and apparel.....	-	38.3	38.0	38.1	38.3	..	..	..	..	..
504	Groceries and related products.....	-	41.5	42.1	41.0	41.2	..	..	..	..	..
506	Electrical goods.....	-	40.8	40.4	40.5	40.0	..	..	..	..	..
507	Hardware; plumbing & heating equipment	-	40.9	40.4	40.4	40.4	..	..	..	..	..
508	Machinery, equipment, and supplies....	-	40.7	40.8	40.7	40.8	..	..	..	..	..
509	Miscellaneous wholesalers.....	-	39.8	39.6	39.8	39.9	..	..	..	..	..
52-59	<b>RETAIL TRADE.....</b>	34.9	35.8	35.8	35.3	36.3	..	..	..	..	..
53	Retail general merchandise.....	-	33.5	33.4	33.0	33.7	..	..	..	..	..
531	Department stores.....	-	33.1	33.1	32.9	33.4	..	..	..	..	..
532	Mail order houses.....	-	36.6	36.3	35.9	35.7	..	..	..	..	..
533	Variety stores.....	-	31.4	31.1	30.6	31.9	..	..	..	..	..
54	Food stores.....	-	34.4	34.2	33.6	34.9	..	..	..	..	..
541-3	Grocery, meat, and vegetable stores...	-	34.6	34.4	33.7	35.0	..	..	..	..	..
56	Apparel and accessory stores.....	-	33.4	33.4	32.3	33.5	..	..	..	..	..
561	Men's & boys' clothing & furnishings..	-	36.0	35.8	34.4	35.4	..	..	..	..	..
562	Women's ready-to-wear stores.....	-	32.3	32.3	32.1	32.9	..	..	..	..	..
565	Family clothing stores.....	-	33.0	32.9	31.9	32.6	..	..	..	..	..
566	Shoe stores.....	-	33.6	33.8	31.2	33.7	..	..	..	..	..
57	Furniture and home furnishings stores..	-	38.6	38.3	38.7	38.9	..	..	..	..	..
571	Furniture and home furnishings.....	-	38.4	38.2	38.9	38.9	..	..	..	..	..
58	Eating and drinking places <sup>6</sup> .....	-	34.1	34.0	33.3	34.7	..	..	..	..	..
52,55,59	Other retail trade.....	-	39.6	39.6	39.5	40.2	..	..	..	..	..
52	Building materials and farm equipment	-	41.8	41.6	41.9	42.2	..	..	..	..	..
551,2	Motor vehicle dealers.....	-	41.8	41.6	41.9	42.2	..	..	..	..	..
553,9	Other automotive & accessory dealers.	-	42.9	43.1	42.9	43.5	..	..	..	..	..
591	Drug stores and proprietary stores...	-	34.6	34.8	34.1	35.3	..	..	..	..	..
594	Book and stationery stores.....	-	35.4	35.9	35.3	36.8	..	..	..	..	..
598	Fuel and ice dealers.....	-	41.4	41.2	41.0	40.5	..	..	..	..	..
<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup>.....</b>											
60	Banking.....	37.0	37.0	37.1	37.0	37.1	..	..	..	..	..
61	Credit agencies other than banks.....	-	37.2	37.1	37.0	37.1	..	..	..	..	..
612	Savings and loan associations.....	-	37.5	37.6	37.4	37.6	..	..	..	..	..
62	Security, commodity brokers & services.	-	37.1	37.5	37.0	37.1	..	..	..	..	..
62	Insurance, commodity brokers & services.	-	38.5	38.4	37.4	37.6	..	..	..	..	..
63	Insurance carriers.....	-	36.7	36.6	37.2	37.2	..	..	..	..	..
631	Life insurance.....	-	35.7	35.9	36.5	36.6	..	..	..	..	..
632	Accident and health insurance.....	-	36.6	36.1	37.1	36.6	..	..	..	..	..
633	Fire, marine, and casualty insurance..	-	37.7	37.5	37.8	37.9	..	..	..	..	..
<b>SERVICES:</b>											
Hotels and other lodging places:											
701	Hotels, tourist courts, and motels <sup>6</sup> ...	-	36.8	36.9	36.4	37.4	..	..	..	..	..
Personal Services:											
721	Laundries & dry cleaning plants.....	-	37.0	37.3	37.5	37.5	..	..	..	..	..
722	Photographic studios.....	-	35.5	35.3	35.1	35.2	..	..	..	..	..
Motion pictures:											
781	Motion picture filming & distributing..	-	40.3	39.9	40.4	40.8	-	-	-	-	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more.

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1966, such employees made up 33 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1966, such employees made up 33 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup> Data relate to nonsupervisory employees except messengers.

<sup>6</sup> Money payments only; tips, not included.

<sup>7</sup> Data for nonoffice salesmen excluded from all series in this division.

\*Not available.

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

(Employment in thousands—includes both supervisory and nonsupervisory employees)

Item	1968							1967						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
<b>EXECUTIVE BRANCH</b>														
Total employment . . . . .	2,808.4	2,780.3	2,676.0	2,677.3	2,664.4	2,662.6	2,663.0	2,785.3	2,675.2	2,673.5	2,673.0	2,749.3	2,763.4	
Average weekly hours . . . . .	39.6	39.2	39.3	39.1	39.3	39.6	39.4	40.8	39.5	39.3	39.2	39.2	39.3	
Average overtime hours . . . . .	.9	1.0	.9	.9	.9	.9	1.2	2.2	.9	1.0	1.0	.8	.9	
Indexes (1965=100):														
Average weekly earnings . . . . .	108.4	108.7	109.5	109.2	109.2	110.1	109.8	116.1	110.4	107.8	102.4	101.6	102.1	
Average hourly earnings . . . . .	110.8	112.3	112.9	113.2	112.6	112.6	112.9	115.2	113.2	111.1	105.8	105.0	105.3	
<b>DEPARTMENT OF DEFENSE</b>														
Total employment . . . . .	1,159.9	1,146.2	1,096.8	1,093.9	1,092.2	1,091.5	1,093.2	1,097.1	1,103.9	1,104.6	1,104.7	1,135.5	1,144.1	
Average weekly hours . . . . .	40.5	40.3	40.4	39.9	40.4	40.4	40.0	40.4	40.3	40.3	40.5	40.1	40.1	
Average overtime hours . . . . .	1.1	1.2	1.1	1.0	1.1	1.0	1.0	1.2	1.1	1.2	1.4	1.1	1.3	
Indexes (1965=100):														
Average weekly earnings . . . . .	107.9	109.4	110.8	110.3	110.5	109.9	108.8	114.5	110.8	108.8	103.0	102.3	102.6	
Average hourly earnings . . . . .	108.7	110.7	111.9	112.7	111.6	111.0	111.0	115.6	112.2	110.1	103.8	104.0	104.3	
<b>POST OFFICE DEPARTMENT</b>														
Total employment . . . . .	734.1	728.7	708.4	709.4	707.1	707.1	713.8	834.7	708.8	702.7	701.4	715.2	713.7	
Average weekly hours . . . . .	38.6	38.1	38.3	38.3	38.2	38.9	39.6	43.9	39.1	38.3	38.0	37.8	38.0	
Average overtime hours . . . . .	.7	.8	.9	1.0	.8	.8	2.0	5.7	.9	.9	.7	.4	.3	
Indexes (1965=100):														
Average weekly earnings . . . . .	104.6	103.8	104.7	105.0	104.4	106.3	109.8	125.6	107.5	102.8	97.8	96.1	96.6	
Average hourly earnings . . . . .	111.9	112.5	112.9	113.2	112.9	112.9	114.5	118.2	113.5	110.9	106.3	105.0	105.3	
<b>OTHER AGENCIES</b>														
Total employment . . . . .	914.4	905.4	870.8	874.0	865.1	864.0	856.0	853.5	862.5	866.2	866.9	898.6	905.6	
Average weekly hours . . . . .	39.1	38.6	38.9	38.7	38.7	38.9	38.5	38.7	38.9	38.7	38.6	39.1	39.0	
Average overtime hours . . . . .	.7	.8	.7	.7	.7	.8	.6	.6	.7	.7	.7	.8	.7	
Indexes (1965=100):														
Average weekly earnings . . . . .	111.9	112.3	112.6	111.8	112.0	112.9	112.5	112.3	112.9	111.0	106.2	105.2	105.7	
Average hourly earnings . . . . .	113.0	114.9	114.4	114.1	114.4	114.6	115.4	114.6	114.6	113.3	108.7	106.2	107.0	

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

## C-4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
<b>MANUFACTURING . . . . .</b>	<b>\$2.90</b>	<b>\$2.87</b>	<b>\$2.88</b>	<b>\$2.73</b>	<b>\$2.71</b>
<b>DURABLE GOODS . . . . .</b>	<b>3.07</b>	<b>3.03</b>	<b>3.05</b>	<b>2.89</b>	<b>2.88</b>
Ordnance and accessories . . . . .	-	3.09	3.09	3.04	3.03
Lumber and wood products . . . . .	-	2.48	2.46	2.31	2.28
Furniture and fixtures . . . . .	-	2.37	2.37	2.28	2.24
Stone, clay, and glass products . . . . .	-	2.86	2.85	2.70	2.69
Primary metal industries . . . . .	-	3.41	3.38	3.25	3.24
Fabricated metal products . . . . .	-	3.01	3.01	2.86	2.85
Machinery, except electrical . . . . .	-	3.22	3.21	3.06	3.03
Electrical equipment and supplies . . . . .	-	2.83	2.84	2.69	2.70
Transportation equipment . . . . .	-	3.47	3.46	3.29	3.28
Instruments and related products . . . . .	-	2.90	2.89	2.77	2.76
Miscellaneous manufacturing industries . . . . .	-	2.41	2.42	2.27	2.26
<b>NONDURABLE GOODS . . . . .</b>	<b>2.66</b>	<b>2.64</b>	<b>2.63</b>	<b>2.50</b>	<b>2.47</b>
Food and kindred products . . . . .	-	2.63	2.65	2.50	2.49
Tobacco manufactures . . . . .	-	2.38	2.56	2.12	2.20
Textile mill products . . . . .	-	2.14	2.07	2.00	1.95
Apparel and other textile products . . . . .	-	2.18	2.16	2.03	2.01
Paper and allied products . . . . .	-	2.89	2.88	2.75	2.74
Printing and publishing . . . . .	-	(2)	(2)	(2)	(2)
Chemicals and allied products . . . . .	-	3.16	3.15	3.03	3.02
Petroleum and coal products . . . . .	-	3.58	3.58	3.43	3.41
Rubber and plastics products, n e c . . . . .	-	2.80	2.80	2.68	2.63
Leather and leather products . . . . .	-	2.17	2.16	2.04	2.02

<sup>1</sup>Derived by assuming that overtime hours are paid at the rate of time and one-half.

<sup>2</sup>Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, in current and 1957-59 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings						
				Worker with no dependents			Worker with three dependents			
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	
<b>TOTAL PRIVATE:</b>										
Current dollars .....	\$109.54	\$109.25	\$103.30	\$87.67	\$87.46	\$84.49	\$96.58	\$96.36	\$92.03	
1957-59 dollars .....	89.86	89.92	88.37	71.92	71.98	72.28	79.23	79.31	78.73	
<b>MINING:</b>										
Current dollars .....	144.52	145.52	137.38	113.39	114.10	110.79	123.58	124.34	119.77	
1957-59 dollars .....	118.56	119.77	117.52	93.02	93.91	94.77	101.38	102.34	102.46	
<b>CONTRACT CONSTRUCTION:</b>										
Current dollars .....	169.17	167.52	159.06	131.70	130.46	127.69	143.35	142.01	137.74	
1957-59 dollars .....	138.78	137.88	136.07	108.04	107.37	109.23	117.60	116.88	117.83	
<b>MANUFACTURING:</b>										
Current dollars .....	121.39	122.10	114.49	96.42	96.94	92.97	105.68	106.23	100.93	
1957-59 dollars .....	99.58	100.49	97.94	79.10	79.79	79.53	86.69	87.43	86.34	
<b>WHOLESALE AND RETAIL TRADE:</b>										
Current dollars .....	88.80	88.56	83.55	72.08	71.90	69.13	80.42	80.23	76.19	
1957-59 dollars .....	72.85	72.89	71.47	59.13	59.18	59.14	65.97	66.03	65.18	
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Current dollars .....	102.49	102.77	95.72	82.47	82.67	78.68	91.19	91.41	86.00	
1957-59 dollars .....	84.08	84.58	81.88	67.65	68.04	67.31	74.81	75.23	73.57	

<sup>1</sup>For coverage of series, see footnote 1, table B-2.

NOTE: Beginning April 1968, data reflect the income tax surcharge imposed by the Revenue and Expenditure Control Act 1968.  
Data for the current month are preliminary.

**C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities<sup>1</sup>**

Industry	1957-59=100				
	Sept. 1968	Aug. 1968	July 1968	Sept. 1967	Aug. 1967
	Man-hours				
<b>TOTAL</b> .....	119.7	118.4	117.0	117.0	116.5
<b>MINING</b> .....	83.5	86.0	86.5	79.6	81.7
<b>CONTRACT CONSTRUCTION</b> .....	125.4	127.9	125.4	124.3	127.1
<b>MANUFACTURING</b> .....	120.4	118.3	117.0	117.5	116.4
<b>DURABLE GOODS</b> .....	124.2	120.5	122.0	121.0	120.0
Ordnance and accessories .....	237.3	232.8	227.1	217.7	211.3
Lumber and wood products .....	97.1	99.7	97.8	95.6	96.0
Furniture and fixtures .....	132.4	131.8	124.8	124.0	122.6
Stone, clay, and glass products .....	115.2	116.3	114.8	109.6	110.7
Primary metal industries .....	104.1	104.9	112.1	106.0	107.9
Fabricated metal products .....	128.9	126.2	123.5	123.6	123.7
Machinery, except electrical .....	130.5	129.1	129.8	135.5	134.6
Electrical equipment and supplies .....	145.3	142.2	137.8	141.0	141.3
Transportation equipment .....	123.0	106.3	120.2	112.7	106.6
Instruments and related products .....	124.3	123.2	119.0	126.2	126.0
Miscellaneous manufacturing industries .....	116.7	114.6	106.2	114.6	112.0
<b>NONDURABLE GOODS</b> .....	115.5	115.4	110.5	112.9	111.7
Food and kindred products .....	106.9	107.3	99.6	108.4	103.3
Tobacco manufactures .....	107.4	98.3	73.1	102.8	94.3
Textile mill products .....	108.2	107.9	105.1	104.4	103.4
Apparel and other textile products .....	120.7	121.3	114.2	118.1	119.5
Paper and allied products .....	122.3	121.6	119.6	116.9	117.7
Printing and publishing .....	118.7	118.3	116.4	117.2	117.1
Chemicals and allied products .....	124.9	124.6	123.0	118.6	118.8
Petroleum and coal products .....	85.9	85.5	87.6	84.2	84.0
Rubber and plastics products, nec. ....	163.3	160.6	154.1	152.9	149.2
Leather and leather products .....	95.7	98.2	94.3	94.7	96.8
	Payrolls				
<b>MINING</b> .....	113.2	115.0	115.6	102.9	104.2
<b>CONTRACT CONSTRUCTION</b> .....	197.6	197.8	192.8	184.7	185.3
<b>MANUFACTURING</b> .....	172.8	167.5	166.2	158.5	155.4

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract-construction, data relate to construction workers.  
NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

C-7: Average weekly hours of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, seasonally adjusted

Industry	Sept. 1968	Aug. 1968	July 1968	June 1968	May 1968	Apr. 1968	Mar. 1968	Feb. 1968	Jan. 1968	Dec. 1967	Nov. 1967	Oct. 1967	Sept. 1967
<b>TOTAL PRIVATE</b> .....	38.0	37.9	37.9	37.9	37.8	37.6	37.8	37.9	37.6	37.8	38.0	37.9	38.1
<b>MINING</b> ... ..	42.9	42.8	43.4	42.9	42.6	42.8	42.3	42.3	41.8	42.5	43.4	42.4	42.8
<b>CONTRACT CONSTRUCTION</b> ... ..	37.9	37.5	37.3	37.6	37.2	37.8	36.8	37.9	36.0	37.2	39.4	37.2	38.0
<b>MANUFACTURING</b> .....	40.9	40.6	40.9	40.9	40.9	40.1	40.7	40.8	40.2	40.7	40.7	40.7	40.9
<i>Overtime hours</i> .....	3.5	3.5	3.6	3.6	3.7	3.0	3.4	3.5	3.5	3.4	3.3	3.4	3.4
<b>DURABLE GOODS</b> .....	41.4	41.0	41.5	41.7	41.5	40.7	41.4	41.4	40.9	41.3	41.2	41.2	41.4
<i>Overtime hours</i> .....	3.7	3.6	3.8	3.8	3.8	3.1	3.7	3.6	3.7	3.6	3.4	3.5	3.6
Ordnance and accessories .....	42.0	41.8	41.3	42.6	41.5	40.9	41.9	42.2	40.2	41.6	41.8	41.7	42.3
Lumber and wood products ... ..	40.7	40.6	40.7	40.7	40.3	40.1	40.5	41.2	38.6	40.1	40.9	40.3	40.3
Furniture and fixtures .....	40.7	40.6	40.7	41.1	41.2	40.0	40.9	41.0	39.6	40.7	40.5	40.4	40.5
Stone, clay, and glass products .....	41.9	41.8	41.9	42.0	41.8	41.7	41.7	41.9	40.8	41.7	42.1	41.7	41.8
Primary metal industries .....	40.3	40.1	41.9	42.1	42.0	42.3	41.8	41.8	41.5	41.6	41.5	41.3	41.1
Fabricated metal products .....	41.9	41.7	41.7	41.9	41.7	40.4	41.5	41.4	41.5	41.6	41.4	41.4	41.6
Machinery, except electrical .....	42.1	41.9	42.0	42.0	41.9	41.0	42.1	42.2	41.8	42.4	42.3	42.2	42.5
Electrical equipment and supplies .....	40.8	40.5	40.3	40.6	40.2	39.5	40.2	40.3	40.1	40.4	40.5	40.3	40.4
Transportation equipment .....	42.6	41.7	42.6	42.5	42.9	41.1	42.4	41.9	41.8	41.7	39.8	41.7	42.3
Instruments and related products .....	40.4	40.4	40.5	40.6	40.5	39.6	40.8	40.8	40.6	41.2	41.1	41.2	41.2
Miscellaneous manufacturing industries .....	39.3	39.1	39.2	39.7	39.7	38.5	39.5	39.7	39.2	39.4	39.5	39.4	39.5
<b>NONDURABLE GOODS</b> .....	40.1	39.9	39.9	40.0	39.8	39.2	39.8	40.0	39.2	39.9	39.9	39.7	40.0
<i>Overtime hours</i> .....	3.3	3.3	3.4	3.4	3.3	2.8	3.3	3.2	3.3	3.2	3.2	3.2	3.3
Food and kindred products .....	40.8	41.1	40.8	41.1	40.7	40.4	40.7	40.8	40.5	40.8	40.8	40.7	41.0
Tobacco manufactures .....	38.3	38.9	38.1	38.5	38.0	34.1	37.9	40.1	37.5	36.9	38.9	39.0	38.3
Textile mill products .....	41.7	41.1	41.5	41.3	41.2	40.6	41.6	41.6	39.9	41.6	41.4	41.2	41.4
Apparel and other textile products .....	36.3	36.0	36.1	36.4	36.3	35.0	36.2	36.5	35.1	36.2	36.2	35.9	36.2
Paper and allied products .....	43.3	42.9	43.1	43.0	43.0	42.0	42.7	42.8	42.6	43.0	42.7	42.8	42.7
Printing and publishing .....	38.5	38.4	38.3	38.2	38.1	37.8	38.2	38.2	37.8	38.0	38.1	38.1	38.2
Chemicals and allied products ... ..	42.1	41.8	41.7	41.7	41.6	41.4	41.6	41.9	41.7	41.8	41.8	41.5	41.5
Petroleum and coal products ... ..	42.6	42.1	42.8	42.3	42.5	42.7	42.2	42.3	42.9	42.1	42.9	42.8	42.5
Rubber and plastics products, n e c ... ..	41.5	41.4	41.8	41.7	41.7	40.3	41.4	41.6	41.2	41.3	41.7	41.8	41.8
Leather and leather products .....	38.6	37.8	38.1	38.7	38.8	38.1	38.7	38.7	37.8	38.3	39.3	38.7	38.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	36.2	36.3	36.2	36.3	35.9	36.1	36.1	36.1	36.1	36.2	36.4	36.4	36.6
<b>WHOLESALE TRADE</b> .....	40.1	40.3	40.1	40.3	39.8	39.9	39.9	40.0	40.0	40.1	40.2	40.2	40.3
<b>RETAIL TRADE</b> .....	34.9	34.9	34.9	34.9	34.6	34.8	34.7	34.9	34.8	35.1	35.2	35.1	35.3
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	37.1	36.9	37.0	37.1	37.1	36.9	37.1	36.9	37.0	36.9	37.0	37.0	37.1

<sup>1</sup>For coverage of series, see footnote 1, table B-2.  
NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED**

**C-8: Indexes of aggregate weekly man-hours in industrial and construction activities<sup>1</sup>**  
**seasonally adjusted**

1957-59=100

Industry	Sept. 1968	Aug. 1968	July 1968	June 1968	May 1968	Apr. 1968	Mar. 1968	Feb. 1968	Jan. 1968	Dec. 1967	Nov. 1967	Oct. 1967	Sept. 1967
<b>TOTAL . . . . .</b>	<b>115.5</b>	<b>114.8</b>	<b>115.5</b>	<b>115.8</b>	<b>115.3</b>	<b>114.0</b>	<b>114.9</b>	<b>115.9</b>	<b>112.0</b>	<b>114.7</b>	<b>114.7</b>	<b>112.2</b>	<b>112.8</b>
<b>MINING . . . . .</b>	<b>82.3</b>	<b>82.8</b>	<b>83.9</b>	<b>82.3</b>	<b>81.9</b>	<b>82.1</b>	<b>77.8</b>	<b>77.9</b>	<b>76.0</b>	<b>77.4</b>	<b>78.9</b>	<b>77.4</b>	<b>78.5</b>
<b>CONTRACT CONSTRUCTION . . . . .</b>	<b>112.3</b>	<b>109.5</b>	<b>109.1</b>	<b>109.3</b>	<b>110.9</b>	<b>115.7</b>	<b>113.1</b>	<b>118.8</b>	<b>101.7</b>	<b>112.2</b>	<b>116.5</b>	<b>108.9</b>	<b>111.1</b>
<b>MANUFACTURING . . . . .</b>	<b>117.8</b>	<b>117.4</b>	<b>118.3</b>	<b>118.7</b>	<b>117.7</b>	<b>115.4</b>	<b>117.0</b>	<b>117.3</b>	<b>115.7</b>	<b>117.0</b>	<b>116.1</b>	<b>114.6</b>	<b>114.9</b>
<b>DURABLE GOODS . . . . .</b>	<b>122.6</b>	<b>122.1</b>	<b>123.8</b>	<b>123.7</b>	<b>123.1</b>	<b>120.7</b>	<b>122.3</b>	<b>122.5</b>	<b>121.6</b>	<b>122.4</b>	<b>121.1</b>	<b>118.9</b>	<b>119.5</b>
Ordnance and accessories . . . . .	236.4	236.4	232.4	231.8	225.4	221.0	225.2	225.6	214.9	218.9	219.9	217.1	216.6
Lumber and wood products . . . . .	93.9	94.0	93.9	93.3	92.8	93.0	95.4	97.6	90.8	93.9	94.7	93.0	92.4
Furniture and fixtures . . . . .	128.7	128.4	127.4	129.6	128.9	124.5	126.7	127.0	122.6	125.1	122.2	121.6	120.5
Stone, clay, and glass products . . . . .	110.4	110.7	110.6	111.1	109.9	110.3	98.7	102.6	106.6	109.0	108.5	106.0	105.0
Primary metal industries . . . . .	104.3	104.5	110.8	111.1	112.2	113.0	109.9	110.1	109.6	110.1	109.7	107.0	106.2
Fabricated metal products . . . . .	126.5	126.0	126.2	127.0	125.2	121.2	124.8	123.8	124.8	125.3	123.0	121.3	121.2
Machinery, except electrical . . . . .	131.5	131.6	131.0	132.2	131.6	128.8	133.7	133.8	132.4	133.1	136.3	131.9	136.5
Electrical equipment and supplies . . . . .	144.3	143.1	141.8	142.5	141.9	139.2	141.7	142.6	142.3	143.3	143.2	140.3	140.1
Transportation equipment . . . . .	121.6	119.3	126.7	123.0	122.5	117.9	121.9	120.0	119.4	118.4	111.3	110.3	111.6
Instruments and related products . . . . .	123.1	123.1	120.7	122.4	122.1	119.3	124.3	124.7	124.1	126.4	125.7	125.1	125.1
Miscellaneous manufacturing industries . . . . .	110.1	110.2	110.1	109.9	109.6	105.3	109.7	109.9	109.5	107.8	108.1	107.2	108.1
<b>NONDURABLE GOODS . . . . .</b>	<b>111.5</b>	<b>111.3</b>	<b>111.0</b>	<b>112.1</b>	<b>110.8</b>	<b>108.5</b>	<b>110.1</b>	<b>110.5</b>	<b>107.9</b>	<b>110.1</b>	<b>109.6</b>	<b>109.0</b>	<b>108.9</b>
Food and kindred products . . . . .	94.8	96.2	95.7	98.0	95.5	95.3	95.2	95.2	94.7	96.2	95.6	95.6	96.0
Tobacco manufactures . . . . .	86.4	91.3	85.9	85.7	84.6	70.7	85.5	90.5	83.5	88.9	91.3	88.0	82.9
Textile mill products . . . . .	107.5	106.5	107.4	107.0	106.0	104.1	106.5	106.9	101.5	105.7	104.3	103.6	103.7
Apparel and other textile products . . . . .	119.4	117.6	118.2	120.8	119.6	114.8	118.0	118.7	113.5	118.0	117.5	116.3	116.9
Paper and allied products . . . . .	119.8	119.5	119.2	118.9	118.1	114.9	116.4	116.9	116.1	117.0	115.5	115.6	114.4
Printing and publishing . . . . .	117.7	117.7	117.0	116.6	116.4	115.2	116.2	116.2	114.7	115.6	115.7	115.6	116.0
Chemicals and allied products . . . . .	124.7	123.8	122.5	122.3	120.8	120.0	121.6	122.3	121.5	121.6	120.8	119.9	118.5
Petroleum and coal products . . . . .	83.0	82.7	84.1	82.4	82.8	82.5	81.5	81.7	82.9	81.4	82.2	82.0	81.4
Rubber and plastics products, n e c . . . . .	159.9	159.8	159.2	159.5	156.6	151.0	153.6	154.4	150.4	150.7	151.5	150.7	150.0
Leather and leather products . . . . .	96.7	95.0	93.8	98.8	99.1	97.0	97.5	97.2	94.6	96.2	98.1	95.9	95.8

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

## C-9: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
ALABAMA .....	\$105.32	\$105.59	\$97.92	41.3	41.9	40.8	\$2.55	\$2.52	\$2.40
Birmingham .....	123.93	133.36	120.22	40.5	43.3	41.6	3.06	3.08	2.89
Mobile .....	126.05	124.07	118.16	42.3	42.2	42.2	2.98	2.94	2.80
ALASKA .....	(*)	168.90	167.16	(*)	41.6	39.8	(*)	4.06	4.20
ARIZONA .....	124.12	123.71	118.32	41.1	41.1	40.8	3.02	3.01	2.90
Phoenix .....	124.94	123.82	119.07	41.1	41.0	41.2	3.04	3.02	2.89
Tucson .....	130.00	131.70	127.26	40.5	40.4	39.4	3.21	3.26	3.23
ARKANSAS .....	92.32	90.35	82.42	41.4	40.7	40.6	2.23	2.22	2.03
Fort Smith .....	90.03	86.58	80.97	41.3	39.9	41.1	2.18	2.17	1.97
Little Rock-North Little Rock .....	96.46	94.07	86.46	41.4	40.2	40.4	2.33	2.34	2.14
Pine Bluff .....	111.52	112.47	105.47	41.0	41.5	41.2	2.72	2.71	2.56
CALIFORNIA .....	140.48	138.40	133.32	40.6	40.0	40.4	3.46	3.46	3.30
Anaheim-Santa Ana-Garden Grove .....	140.01	136.82	135.29	41.3	40.6	41.5	3.39	3.37	3.26
Bakersfield .....	140.22	147.14	136.75	41.0	41.8	40.7	3.42	3.52	3.36
Fresno .....	117.78	111.26	112.11	39.0	36.6	39.2	3.02	3.04	2.86
Los Angeles-Long Beach .....	137.23	136.15	132.11	40.6	40.4	40.9	3.38	3.37	3.23
Oxnard-Ventura .....	113.24	123.53	115.58	38.0	40.5	38.4	2.98	3.05	3.01
Sacramento .....	153.72	153.98	142.99	42.0	40.1	39.5	3.66	3.64	3.62
San Bernardino-Riverside-Ontario .....	141.86	138.92	132.93	41.6	41.1	40.9	3.41	3.38	3.25
San Diego .....	153.75	149.95	149.14	41.0	40.2	41.2	3.75	3.73	3.62
San Francisco-Oakland .....	150.42	152.06	140.34	39.9	39.6	39.2	3.77	3.84	3.58
San Jose .....	141.93	139.52	131.74	41.5	39.3	39.8	3.42	3.55	3.31
Santa Barbara .....	130.28	124.80	126.80	39.6	38.4	39.5	3.29	3.25	3.21
Santa Rosa .....	124.92	124.58	115.97	41.5	39.3	37.9	3.01	3.17	3.06
Stockton .....	140.77	136.07	134.46	42.4	39.1	40.5	3.32	3.48	3.32
Vallejo-Napa .....	131.04	110.55	128.31	39.0	33.1	39.0	3.36	3.34	3.29
COLORADO .....	131.25	131.97	123.30	41.8	41.5	41.1	3.14	3.18	3.00
Denver .....	132.57	132.51	125.46	41.3	40.9	41.0	3.21	3.24	3.06
CONNECTICUT .....	128.63	127.91	122.06	41.9	41.8	41.8	3.07	3.06	2.92
Bridgeport .....	133.24	131.77	127.02	41.9	41.7	42.2	3.18	3.16	3.01
Hartford .....	138.88	140.18	128.52	42.6	43.0	42.0	3.26	3.26	3.06
New Britain .....	129.68	130.31	129.13	41.3	41.5	42.9	3.14	3.14	3.01
New Haven .....	128.44	130.62	123.02	41.3	42.0	41.7	3.11	3.11	2.95
Stamford .....	130.92	129.37	126.12	41.3	41.2	41.9	3.17	3.14	3.01
Waterbury .....	120.93	119.94	114.81	41.7	41.5	41.9	2.90	2.89	2.74
DELAWARE .....	127.10	124.66	117.50	41.0	39.7	40.8	3.10	3.14	2.88
Wilmington .....	143.38	138.85	130.57	41.2	39.9	40.3	3.48	3.48	3.24
DISTRICT OF COLUMBIA :									
Washington SMSA .....	(*)	129.60	123.82	(*)	40.0	40.2	(*)	3.24	3.08
FLORIDA .....	107.78	106.14	100.02	42.1	41.3	41.5	2.56	2.57	2.41
Fort Lauderdale-Hollywood .....	(*)	97.79	92.23	(*)	38.2	40.1	(*)	2.56	2.30
Jacksonville .....	110.00	104.02	104.55	41.2	39.4	41.0	2.67	2.64	2.55
Miami .....	(*)	97.77	91.98	(*)	40.4	40.7	(*)	2.42	2.26
Orlando .....	(*)	114.78	97.58	(*)	42.2	41.0	(*)	2.72	2.38
Pensacola .....	128.53	128.78	109.60	42.7	42.5	40.0	3.01	3.03	2.74
Tampa-St. Petersburg .....	109.31	109.46	101.64	42.7	42.1	42.0	2.56	2.60	2.42
West Palm Beach .....	118.53	118.19	115.02	43.9	44.1	42.6	2.70	2.68	2.70
GEORGIA .....	98.06	97.34	89.13	41.2	40.9	40.7	2.38	2.38	2.19
Atlanta .....	119.07	122.54	109.33	40.5	41.4	39.9	2.94	2.96	2.74
Savannah .....	126.95	122.72	117.00	42.6	41.6	42.7	2.98	2.95	2.74
HAWAII ... ..	103.40	113.03	92.67	37.6	44.5	39.1	2.75	2.54	2.37
IDAHO .. ..	125.45	127.44	122.30	39.7	39.7	41.6	3.16	3.21	2.94
ILLINOIS .....	131.67	131.26	123.90	40.9	40.6	40.6	3.22	3.23	3.06
Chicago .....	(*)	133.59	126.37	(*)	40.8	40.8	(*)	3.27	3.10
Davenport-Rock Island-Moline .....	(*)	142.43	138.83	(*)	39.1	39.8	(*)	3.64	3.48

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

**C-9: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
<b>ILLINOIS (continued)</b>									
Peoria .....	(*)	\$153.62	\$139.88	(*)	42.2	41.0	(*)	\$3.64	\$3.41
Rockford .....	(*)	129.55	124.18	(*)	41.1	41.9	(*)	3.15	2.96
<b>INDIANA</b> .....	\$135.46	136.20	127.70	40.8	40.9	40.8	\$3.32	3.33	3.13
Indianapolis .....	(*)	140.27	131.75	(*)	41.5	41.3	(*)	3.38	3.19
<b>IOWA</b> .....	127.42	128.60	120.36	40.0	40.1	40.2	3.19	3.21	2.99
Cedar Rapids .....	125.81	125.28	118.64	40.0	39.8	40.5	3.14	3.15	2.93
Des Moines .....	135.17	134.13	133.33	39.7	39.1	40.0	3.40	3.43	3.33
Dubuque .....	139.94	140.01	132.47	38.5	38.6	38.0	3.63	3.63	3.49
Sioux City .....	127.21	122.69	111.45	42.0	41.0	40.1	3.03	2.99	2.78
Waterloo .....	149.94	155.79	139.42	40.6	41.7	40.7	3.69	3.74	3.43
<b>KANSAS</b> .....	125.73	124.30	118.38	42.5	42.1	41.7	2.96	2.95	2.84
Topeka .....	145.12	141.54	129.55	44.5	44.5	43.7	3.26	3.18	2.97
Wichita .....	131.51	133.07	126.95	42.2	42.6	41.8	3.12	3.12	3.04
<b>KENTUCKY</b> .....	116.98	118.44	111.67	40.2	40.7	39.6	2.91	2.91	2.82
Louisville .....	(*)	133.42	122.97	(*)	40.6	40.1	(*)	3.29	3.07
<b>LOUISIANA</b> .....	120.10	123.09	114.66	41.7	42.3	42.0	2.88	2.91	2.73
Baton Rouge .....	147.42	147.33	131.45	40.5	40.7	40.2	3.64	3.62	3.27
New Orleans .....	123.82	124.92	116.76	41.0	41.5	40.4	3.02	3.01	2.89
Shreveport .....	108.50	106.40	106.26	41.1	40.0	42.0	2.64	2.66	2.53
<b>MAINE</b> .....	100.43	97.61	94.30	41.5	40.5	41.0	2.42	2.41	2.30
Lewiston-Auburn .....	84.10	82.56	78.28	38.4	37.7	38.0	2.19	2.19	2.06
Portland .....	105.37	100.58	95.20	41.0	39.6	39.5	2.57	2.54	2.41
<b>MARYLAND</b> .....	119.88	123.52	113.68	40.5	40.9	40.6	2.96	3.02	2.80
Baltimore .....	123.93	127.92	119.36	40.5	41.0	40.6	3.06	3.12	2.94
<b>MASSACHUSETTS</b> .....	114.00	113.15	108.14	40.0	39.7	40.2	2.85	2.85	2.69
Boston .....	121.39	120.96	115.60	39.8	39.4	40.0	3.05	3.07	2.89
Brockton .....	101.26	100.19	94.32	39.4	39.6	39.3	2.57	2.53	2.40
Fall River .....	88.93	85.32	82.81	36.9	36.0	37.3	2.41	2.37	2.22
Lawrence-Haverhill .....	108.95	104.28	104.19	40.5	39.5	40.7	2.69	2.64	2.56
Lowell .....	101.09	96.01	91.34	39.8	38.1	39.2	2.54	2.52	2.33
New Bedford .....	96.82	96.14	89.08	39.2	39.4	38.9	2.47	2.44	2.29
Springfield-Chicopee-Holyoke .....	118.48	116.00	111.65	40.3	40.0	40.6	2.94	2.90	2.75
Worcester .....	116.91	117.21	112.12	39.1	39.2	39.9	2.99	2.99	2.81
<b>MICHIGAN</b> .....	159.67	161.78	148.67	42.5	42.9	42.6	3.76	3.77	3.49
Ann Arbor .....	157.58	152.46	148.22	41.1	40.1	41.5	3.83	3.80	3.56
Battle Creek .....	155.13	149.97	139.48	43.2	42.4	41.5	3.59	3.54	3.36
Bay City .....	142.04	142.25	134.15	41.4	41.9	41.0	3.43	3.40	3.27
Detroit .....	166.60	171.00	156.26	42.5	43.6	42.8	3.92	3.92	3.65
Flint .....	185.26	184.12	176.71	42.0	43.1	44.1	4.41	4.27	4.01
Grand Rapids .....	133.03	130.52	123.26	41.2	40.0	41.6	3.23	3.26	2.96
Jackson .....	141.64	146.56	127.84	38.5	38.7	37.8	3.68	3.79	3.38
Kalamazoo .....	142.76	141.20	138.63	42.2	42.1	43.2	3.38	3.35	3.21
Lansing .....	175.58	157.53	154.94	42.7	40.6	42.3	4.11	3.88	3.66
Muskegon-Muskegon Heights .....	136.33	135.26	132.72	40.3	39.9	40.8	3.38	3.39	3.25
Saginaw .....	165.64	159.97	154.03	42.8	42.9	43.4	3.87	3.73	3.55
<b>MINNESOTA</b> .....	127.41	126.64	120.56	41.0	40.7	40.9	3.10	3.11	2.95
Duluth-Superior .....	124.46	122.94	115.81	40.6	40.0	39.4	3.06	3.07	2.94
Minneapolis-St. Paul .....	135.55	133.27	129.11	41.3	40.9	41.4	3.28	3.26	3.12
<b>MISSISSIPPI</b> .....	92.96	91.88	83.64	41.5	41.2	40.8	2.24	2.23	2.05
Jackson .....	92.77	92.10	86.94	41.6	41.3	41.6	2.23	2.23	2.09
<b>MISSOURI</b> .....	120.20	122.92	115.43	39.8	40.3	40.5	3.02	3.05	2.85
Kansas City .....	125.66	127.61	118.59	40.8	40.9	40.2	3.08	3.12	2.95
St. Louis .....	135.20	137.36	129.11	40.0	40.4	40.6	3.38	3.40	3.18
<b>MONTANA</b> .....	133.08	131.22	126.45	41.2	40.5	40.4	3.23	3.24	3.13
<b>NEBRASKA</b> .....	121.98	117.93	113.38	43.9	43.0	43.4	2.78	2.74	2.61
Omaha .....	124.13	121.63	119.05	42.5	42.1	42.8	2.92	2.89	2.78

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

C-9: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
NEVADA.....	\$153.63	\$151.31	\$146.69	39.8	38.5	40.3	\$3.86	\$3.93	\$3.64
NEW HAMPSHIRE.....	100.04	96.87	92.80	40.5	39.7	40.7	2.47	2.44	2.28
Manchester.....	90.17	88.86	86.55	38.7	38.3	39.7	2.33	2.32	2.18
NEW JERSEY.....	125.05	125.45	117.68	40.6	40.6	40.3	3.08	3.09	2.92
Atlantic City.....	100.21	96.62	94.07	40.9	39.6	40.2	2.45	2.44	2.34
Jersey City <sup>1</sup> .....	125.86	125.02	119.95	40.6	40.2	40.8	3.10	3.11	2.94
Newark <sup>1</sup> .....	126.69	125.76	119.84	41.0	40.7	40.9	3.09	3.09	2.93
Paterson-Clifton-Passaic <sup>1</sup> .....	124.03	126.28	116.29	40.4	41.0	40.1	3.07	3.08	2.90
Perth Amboy <sup>1</sup> .....	130.01	130.33	124.43	40.5	40.6	40.4	3.21	3.21	3.08
Trenton.....	124.64	121.39	115.02	40.6	39.8	39.8	3.07	3.05	2.89
NEW MEXICO.....	107.27	106.77	93.53	42.4	42.2	39.3	2.53	2.53	2.38
Albuquerque.....	114.59	111.14	100.12	42.6	42.1	41.2	2.69	2.64	2.43
NEW YORK.....	121.48	120.87	114.84	39.7	39.5	39.6	3.06	3.06	2.90
Albany-Schenectady-Troy.....	128.32	129.74	125.36	40.1	40.8	41.1	3.20	3.18	3.05
Binghamton.....	118.84	117.38	111.52	40.7	40.2	40.7	2.92	2.92	2.74
Buffalo.....	144.49	144.90	138.78	41.4	41.4	41.8	3.49	3.50	3.32
Elmira.....	111.22	112.35	108.65	39.3	39.7	39.8	2.83	2.83	2.73
Monroe County <sup>2</sup> .....	147.26	142.14	137.94	41.6	41.2	41.8	3.54	3.45	3.30
Nassau and Suffolk Counties <sup>3</sup> .....	125.55	126.48	118.73	41.3	41.2	40.8	3.02	3.07	2.91
New York-Northeastern New Jersey.....	(*)	119.17	112.90	(*)	39.2	39.2	(*)	3.04	2.88
New York SMSA <sup>1</sup> .....	114.82	114.60	108.77	38.4	38.2	38.3	2.99	3.00	2.84
New York City <sup>3</sup> .....	112.64	112.42	106.97	37.8	37.6	37.8	2.98	2.99	2.83
Rochester.....	141.93	138.51	133.02	41.5	41.1	41.7	3.42	3.37	3.19
Rockland County <sup>3</sup> .....	126.54	122.70	122.60	41.9	40.9	41.7	3.02	3.00	2.94
Syracuse.....	131.11	129.34	122.07	41.1	40.8	41.1	3.19	3.17	2.97
Utica-Rome.....	116.00	114.00	109.62	40.7	40.0	40.3	2.85	2.85	2.72
Westchester County <sup>3</sup> .....	115.84	119.78	108.14	39.4	39.4	38.9	2.94	3.04	2.78
NORTH CAROLINA.....	90.61	88.75	82.21	41.0	40.9	40.7	2.21	2.17	2.02
Asheville.....	88.07	87.20	79.20	40.4	40.0	39.8	2.18	2.18	1.99
Charlotte.....	93.07	92.89	87.77	41.0	41.1	41.4	2.27	2.26	2.12
Greensboro-Winston-Salem-High Point.....	95.20	92.27	87.64	40.0	39.6	40.2	2.38	2.33	2.18
Raleigh.....	88.70	89.69	81.33	39.6	40.4	39.1	2.24	2.22	2.08
NORTH DAKOTA.....	108.75	113.26	99.90	39.6	40.8	39.7	2.75	2.77	2.52
Fargo-Mohead.....	124.95	126.48	119.86	41.8	42.4	41.5	2.99	2.98	2.89
OHIO.....	139.81	141.38	133.53	41.2	41.6	41.6	3.39	3.40	3.21
Akron.....	162.27	162.28	150.17	42.4	42.8	42.5	3.83	3.79	3.53
Canton.....	128.31	132.32	126.23	38.2	39.9	39.5	3.36	3.32	3.20
Cincinnati.....	132.54	132.67	123.11	42.4	41.9	41.5	3.13	3.17	2.97
Cleveland.....	140.32	146.41	134.09	40.5	42.0	41.4	3.46	3.49	3.24
Columbus.....	134.20	131.64	127.25	41.1	40.5	40.9	3.27	3.25	3.11
Dayton.....	160.47	159.32	151.31	42.5	42.4	42.7	3.78	3.76	3.54
Toledo.....	152.76	145.69	142.68	42.3	40.9	42.3	3.61	3.56	3.37
Youngstown-Warren.....	143.71	146.67	136.35	39.2	40.6	39.5	3.67	3.61	3.45
OKLAHOMA.....	114.93	115.08	108.24	40.9	41.1	41.0	2.81	2.80	2.64
Oklahoma City.....	109.75	106.63	103.53	40.8	40.7	40.6	2.69	2.62	2.55
Tulsa.....	127.87	128.10	122.64	42.2	42.0	42.0	3.03	3.05	2.92
OREGON.....	132.40	133.45	120.98	40.0	39.6	38.9	3.31	3.37	3.11
Eugene.....	136.94	140.15	122.38	41.0	41.1	39.1	3.34	3.41	3.13
Portland.....	131.32	130.76	122.04	39.2	38.8	38.5	3.35	3.37	3.17
PENNSYLVANIA.....	117.91	119.20	112.92	39.7	40.0	39.9	2.97	2.98	2.83
Allentown-Bethlehem-Easton.....	114.17	117.41	109.48	38.7	39.8	39.1	2.95	2.95	2.80
Allentown.....	97.41	94.88	91.80	38.2	37.5	38.9	2.55	2.53	2.36
Erie.....	126.77	126.77	122.77	41.7	41.7	41.9	3.04	3.04	2.93
Harrisburg.....	111.63	109.76	104.49	40.3	40.5	41.3	2.77	2.71	2.53
Johnstown.....	106.22	121.76	107.74	34.6	38.9	36.4	3.07	3.13	2.96
Lancaster.....	106.66	104.27	102.51	39.8	39.2	40.2	2.68	2.66	2.55
Philadelphia.....	127.35	126.32	119.90	40.3	40.1	40.1	3.16	3.15	2.99
Pittsburgh.....	134.52	137.97	130.40	39.8	40.7	40.0	3.38	3.39	3.26
Reading.....	111.52	106.40	101.85	40.7	40.0	40.1	2.74	2.66	2.54
Scranton.....	93.84	93.37	89.15	38.3	37.8	39.1	2.45	2.47	2.28
Wilkes-Barre-Hazleton.....	87.66	87.08	82.29	37.3	36.9	36.9	2.35	2.36	2.23
York.....	112.46	110.04	105.65	42.6	42.0	42.6	2.64	2.62	2.48

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

**C-9: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967	Aug. 1968	July 1968	Aug. 1967
<b>RHODE ISLAND</b> .....	\$101.85	\$102.21	\$96.56	40.1	40.4	40.4	\$2.54	\$2.53	\$2.39
Providence-Pawtucket-Warwick .....	102.80	103.02	96.64	40.0	40.4	40.1	2.57	2.55	2.41
<b>SOUTH CAROLINA</b> .....	93.71	91.88	82.82	41.1	41.2	40.4	2.28	2.23	2.05
Charleston .....	114.81	109.56	98.18	41.3	41.5	41.6	2.78	2.64	2.36
Greenville .....	92.89	89.35	81.81	41.1	40.8	40.5	2.26	2.19	2.02
<b>SOUTH DAKOTA</b> .....	123.29	123.67	116.02	45.4	46.1	45.5	2.72	2.68	2.55
Sioux Falls .....	139.84	140.01	134.71	47.4	48.5	47.6	2.95	2.89	2.83
<b>TENNESSEE</b> .....	(*)	99.54	93.15	(*)	40.3	40.5	(*)	2.47	2.30
Chattanooga .....	108.81	106.93	102.56	40.3	39.9	40.7	2.70	2.68	2.52
Knoxville .....	109.14	113.24	103.72	39.4	40.3	40.2	2.77	2.81	2.58
Memphis .....	112.61	113.44	105.47	41.4	41.4	41.2	2.72	2.74	2.56
Nashville .....	(*)	103.49	102.00	(*)	39.5	40.8	(*)	2.62	2.50
<b>TEXAS</b> .....	120.51	120.22	112.29	41.7	41.6	41.9	2.89	2.89	2.68
Amarillo .....	98.75	98.36	97.82	39.5	39.5	41.1	2.50	2.49	2.38
Austin .....	96.41	95.24	87.13	41.2	40.7	41.1	2.34	2.34	2.12
Beaumont-Port Arthur-Orange .....	148.47	154.56	146.78	40.9	42.0	41.7	3.63	3.68	3.52
Corpus Christi .....	140.25	140.91	134.08	42.5	42.7	42.7	3.30	3.30	3.14
Dallas .....	113.71	111.93	105.92	41.5	41.0	41.7	2.74	2.73	2.54
El Paso .....	84.63	85.03	76.40	40.3	40.3	40.0	2.10	2.11	1.91
Fort Worth .....	127.10	130.51	125.56	41.4	42.1	43.0	3.07	3.10	2.92
Galveston-Texas City .....	180.34	181.44	154.54	44.2	44.8	41.1	4.08	4.05	3.76
Houston .....	141.04	143.01	131.40	43.0	43.6	42.8	3.28	3.28	3.07
Lubbock .....	101.69	103.74	94.16	44.6	45.3	44.0	2.28	2.29	2.14
San Antonio .....	99.16	96.41	91.15	43.3	42.1	42.2	2.29	2.29	2.16
Waco .....	113.70	112.34	99.17	40.9	41.0	42.2	2.78	2.74	2.35
Wichita Falls .....	96.83	96.33	89.84	42.1	41.7	41.4	2.30	2.31	2.17
<b>UTAH</b> .....	127.08	131.84	116.33	40.6	41.2	39.3	3.13	3.20	2.96
Salt Lake City .....	123.67	124.44	112.80	41.5	41.9	40.0	2.98	2.97	2.82
<b>VERMONT</b> .....	109.30	108.36	103.88	42.2	42.0	42.4	2.59	2.58	2.45
Burlington .....	118.56	115.50	111.89	42.8	42.0	43.2	2.77	2.75	2.59
Springfield .....	117.45	118.84	118.68	40.5	40.7	43.0	2.90	2.92	2.76
<b>VIRGINIA</b> .....	101.76	101.76	94.76	41.2	41.2	41.2	2.47	2.47	2.30
Lynchburg .....	99.02	101.41	89.88	42.5	43.9	42.0	2.33	2.31	2.14
Norfolk-Portsmouth .....	102.66	111.04	93.53	40.1	41.9	39.3	2.56	2.65	2.38
Richmond .....	112.89	107.87	106.97	41.2	40.4	41.3	2.74	2.67	2.59
Roanoke .....	95.22	90.62	91.37	41.4	39.4	42.3	2.30	2.30	2.16
<b>WASHINGTON</b> .....	142.21	140.18	129.31	40.4	39.6	38.6	3.52	3.54	3.35
Seattle-Everett .....	145.80	142.00	136.51	40.5	40.0	39.8	3.60	3.55	3.43
Spokane .....	146.78	144.89	131.54	41.0	40.7	39.5	3.58	3.56	3.33
Tacoma .....	134.64	137.32	125.50	38.8	38.9	37.8	3.47	3.53	3.32
<b>WEST VIRGINIA</b> .....	121.78	123.72	115.53	39.8	40.3	39.7	3.06	3.07	2.91
Charleston .....	140.94	144.20	134.56	39.7	41.2	40.9	3.55	3.50	3.29
Huntington-Ashland .....	126.11	133.00	125.37	38.1	39.7	39.3	3.31	3.35	3.19
Wheeling .....	123.11	121.27	117.81	40.1	39.5	39.8	3.07	3.07	2.96
<b>WISCONSIN</b> .....	128.72	129.26	120.84	41.1	40.8	40.9	3.14	3.16	2.95
Green Bay .....	128.83	129.30	126.13	41.7	41.7	43.5	3.09	3.10	2.90
Kenosha .....	129.99	114.30	111.04	37.3	32.6	33.4	3.49	3.51	3.32
La Crosse .....	108.85	109.20	105.04	40.6	39.6	39.4	2.68	2.76	2.66
Madison .....	145.61	141.29	130.69	42.8	41.1	41.3	3.40	3.44	3.16
Milwaukee .....	140.90	141.47	133.30	40.9	40.9	40.7	3.45	3.46	3.28
Racine .....	126.36	133.01	122.87	39.0	40.2	39.6	3.24	3.31	3.10
<b>WYOMING</b> .....	121.48	124.19	126.98	39.7	39.3	40.7	3.06	3.16	3.12
Casper .....	142.74	150.58	137.90	40.9	42.9	42.3	3.49	3.51	3.26

<sup>1</sup>Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>2</sup>Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>3</sup>Subarea of New York Standard Metropolitan Statistical Area.

\*Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-1: Labor turnover rates in manufacturing

1958 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
<b>Total accessions</b>													
1958.....	2.9	2.6	2.8	3.1	3.6	4.7	4.2	4.9	5.0	4.0	3.2	2.7	3.6
1959 <sup>1</sup> .....	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965.....	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966.....	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967.....	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968.....	4.2	3.8	3.9	4.3	4.6	5.9	4.9	5.6					
<b>New hires</b>													
1958.....	1.2	1.1	1.1	1.3	1.5	2.2	2.1	2.4	2.6	2.2	1.7	1.3	1.7
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965.....	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966.....	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967.....	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968.....	3.0	2.7	2.9	3.2	3.5	4.7	3.7	4.2					
<b>Total separations</b>													
1958.....	5.4	4.1	4.5	4.4	3.9	3.5	3.7	4.1	4.5	4.1	3.6	3.5	4.1
1959.....	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964.....	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965.....	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966.....	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967.....	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968.....	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0					
<b>Quits</b>													
1958.....	.9	.8	.8	.8	.9	1.0	1.1	1.5	1.9	1.3	1.0	.8	1.1
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.7	1.2	1.0	1.5
1965.....	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966.....	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967.....	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968.....	2.0	1.9	2.1	2.2	2.4	2.3	2.3	3.6					
<b>Layoffs</b>													
1958.....	4.0	2.9	3.3	3.2	2.6	2.0	2.3	2.1	2.1	2.3	2.2	2.4	2.6
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965.....	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966.....	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967.....	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968.....	1.5	1.2	1.1	1.0	1.0	.9	1.7	1.4					

<sup>1</sup>Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2: Labor turnover rates, by industry

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968
	<b>MANUFACTURING</b>	5.6	4.9	4.2	3.7	6.0	5.0	3.6	2.3	1.4	1.7
19,24,25,32-39	<b>DURABLE GOODS</b>	5.0	4.3	3.6	3.2	6.0	4.8	3.2	2.1	1.7	1.7
20-23,26-31	<b>NONDURABLE GOODS</b>	6.5	5.9	5.0	4.4	6.0	5.3	4.1	2.7	1.0	1.8
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b>	3.8	3.5	3.2	2.9	3.8	3.0	2.5	1.7	.4	.5
192	Ammunition, except for small arms	3.9	3.4	3.3	2.9	3.6	3.0	2.4	1.8	.4	.4
24	<b>LUMBER AND WOOD PRODUCTS</b>	6.4	6.5	5.7	5.8	7.2	5.7	5.4	4.0	.8	.8
242	Sawmills and planing mills	6.1	5.9	5.6	5.4	6.7	5.5	5.2	3.9	.5	.7
2421	Sawmills and planing mills, general	5.8	5.6	5.4	5.2	6.4	5.1	4.9	3.7	.5	.6
243	Millwork, plywood & related products	6.2	6.2	5.8	5.8	7.3	4.7	5.8	3.4	.7	.5
2431	Millwork	6.2	5.6	5.7	5.4	7.8	4.5	6.2	3.0	.8	.5
2432	Veneer and plywood	6.1	5.4	5.6	4.8	6.0	4.8	4.6	3.6	.5	.4
244	Wooden containers	7.0	7.5	6.1	6.5	8.7	7.8	6.3	5.0	.9	1.8
2441,2	Wooden boxes, shooks, and crates	6.9	7.0	5.7	5.8	8.3	7.3	6.1	4.7	.8	1.5
249	Miscellaneous wood products	6.3	6.3	5.0	5.0	6.8	6.4	5.0	3.9	.8	1.3
25	<b>FURNITURE AND FIXTURES</b>	8.0	7.0	7.2	6.1	7.6	6.3	5.8	4.0	.7	1.2
251	Household furniture	8.2	7.1	7.4	6.2	7.8	6.5	5.9	4.3	.6	1.1
2511	Wood household furniture	8.4	7.4	7.5	6.3	8.5	7.1	6.5	4.6	.7	1.4
2512	Upholstered household furniture	6.6	6.3	6.4	5.6	4.9	4.9	3.9	3.5	.2	.6
2515	Mattresses and bedsprings	7.5	7.0	7.2	6.3	7.2	5.2	5.8	3.7	.3	.4
252	Office furniture	6.2	6.0	5.8	4.8	6.4	4.6	4.6	2.8	.9	.9
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	4.8	5.0	4.0	4.1	5.5	4.1	3.7	2.4	.7	.8
321	Flat glass	4.5	3.6	1.9	1.6	3.2	1.7	1.0	.7	1.4	.6
322	Glass and glassware, pressed or blown	4.6	4.9	3.7	3.6	5.0	3.6	3.8	2.0	.1	.6
3221	Glass containers	4.7	4.9	4.4	3.8	5.6	3.3	4.6	2.2	.1	.2
3229	Pressed and blown glass, n e c	4.5	4.9	2.9	3.2	4.2	4.0	2.6	1.8	.2	1.0
324	Cement, hydraulic	1.9	2.6	1.4	1.7	2.3	2.0	1.3	.7	.4	.5
325	Structural clay products	5.8	6.1	5.2	5.5	6.9	5.2	5.5	3.8	.5	.3
3251	Brick and structural clay tile	5.9	6.3	5.6	6.0	8.6	5.9	7.3	4.9	.4	.2
326	Pottery and related products	5.5	5.3	4.4	4.3	5.8	4.7	4.0	2.7	.4	1.1
3291	Abrasive products	2.2	2.3	2.0	1.9	2.7	1.8	1.9	1.0	.2	.1
33	<b>PRIMARY METAL INDUSTRIES</b>	2.9	3.1	2.0	2.2	5.9	3.8	2.8	1.7	2.0	1.0
331	Blast furnace and basic steel products	1.6	1.9	.7	1.4	7.1	3.5	2.5	1.3	3.4	.9
3312	Blast furnaces and steel mills	1.5	1.7	.5	1.2	7.3	3.5	2.4	1.3	3.6	1.0
332	Iron and steel foundries	5.3	4.4	4.4	3.4	5.6	4.9	3.9	2.5	.5	1.2
3321	Gray iron foundries	6.1	5.1	5.1	3.9	5.9	5.5	4.3	2.9	.4	1.3
3322	Malleable iron foundries	5.1	3.7	4.3	2.5	5.8	4.1	4.1	2.1	.1	1.1
3323	Steel foundries	3.7	3.3	2.9	2.5	4.9	3.8	3.0	1.9	.9	1.0
333,4	Nonferrous metals	2.8	3.9	2.5	3.3	3.6	2.8	2.4	1.7	.2	.1
335	Nonferrous rolling and drawing	3.1	4.1	1.8	2.3	3.8	3.9	1.8	1.3	1.3	1.9
3351	Copper rolling and drawing	3.1	2.8	2.7	2.2	3.4	2.8	1.9	1.2	.7	.6
3352	Aluminum rolling and drawing	(2)	3.1	(2)	2.6	(2)	3.1	(2)	1.5	(2)	.7
3357	Nonferrous wire drawing, and insulating	4.5	6.5	2.2	2.3	5.2	5.9	2.1	1.2	2.3	4.1
336	Nonferrous foundries	5.9	5.1	5.2	4.1	6.3	5.2	4.5	2.7	.6	1.1
3361	Aluminum castings	5.9	5.3	5.1	4.3	7.2	5.8	5.2	2.9	.7	1.1
3362,9	Other nonferrous castings	6.0	4.9	5.2	3.9	5.5	4.5	3.8	2.5	.6	1.1
339	Miscellaneous primary metal products	2.7	3.2	2.5	2.6	3.6	2.9	2.7	1.7	.3	.4
3391	Iron and steel forgings	2.5	3.0	2.3	2.7	3.2	2.6	2.4	1.4	.1	.3

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
34	<b>FABRICATED METAL PRODUCTS</b> . . . . .	5.6	5.4	4.9	4.1	6.3	5.7	4.3	2.7	0.8	2.0
341	Metal cans . . . . .	4.9	5.9	3.8	4.0	5.2	3.8	3.1	1.4	1.0	1.0
342	Cutlery, hand tools, and hardware . . . . .	5.4	5.3	4.3	3.0	6.1	5.9	3.8	2.0	1.3	2.9
3421,3,5	Cutlery and hand tools, incl. saws . . . . .	5.3	4.6	3.7	3.0	4.8	4.4	3.8	2.1	.1	1.5
3429	Hardware, n e c . . . . .	5.4	5.9	4.7	3.1	7.0	6.9	3.8	2.0	2.1	3.9
343	Plumbing and heating, except electric . . . . .	5.1	4.8	4.7	4.2	5.9	4.4	4.2	2.8	.3	.5
3431,2	Sanitary ware & plumbers' brass goods . . . . .	6.0	4.7	5.4	4.3	6.4	4.6	4.6	2.9	.3	.4
3433	Heating equipment, except electric . . . . .	4.4	4.9	4.1	4.1	5.5	4.2	3.9	2.7	.3	.6
344	Fabricated structural metal products . . . . .	5.7	5.4	5.2	4.7	6.3	5.0	4.2	2.9	.8	1.0
3441	Fabricated structural steel . . . . .	5.6	5.3	4.9	4.5	6.1	5.1	4.1	3.0	.9	1.1
3443	Fabricated plate work (boiler shops) . . . . .	3.9	3.9	3.2	3.3	4.4	3.7	2.9	2.1	.6	.8
3446,9	Architectural and misc. metal work . . . . .	6.5	5.9	5.7	4.4	6.5	5.3	3.9	2.4	1.2	2.0
345	Screw machine products, bolts, etc. . . . .	3.7	3.8	3.2	3.2	5.4	4.4	3.7	2.3	.4	1.1
3452	Bolts, nuts, rivets, and washers . . . . .	2.8	3.0	2.6	2.5	4.6	3.7	3.0	2.1	.3	.7
346	Metal stampings . . . . .	6.4	6.0	5.4	3.2	6.2	8.9	4.0	2.1	1.0	5.8
348	Misc. fabricated wire products . . . . .	6.5	5.7	5.7	5.1	7.5	5.2	5.1	3.5	1.5	.7
349	Misc. fabricated metal products . . . . .	4.8	5.1	4.3	3.7	5.7	4.6	4.3	2.5	.4	1.2
3494,8	Valves, pipe, and pipe fittings . . . . .	4.0	5.1	3.6	3.7	5.1	4.8	3.6	2.4	.4	1.5
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> . . . . .	2.9	3.2	2.3	2.2	3.8	3.7	2.4	1.5	.6	1.4
351	Engines and turbines . . . . .	2.4	5.3	1.9	2.0	2.8	5.3	1.7	1.0	.3	2.9
3511	Steam engines and turbines . . . . .	2.1	2.9	1.6	2.0	1.8	1.9	.8	.6	.1	.2
3519	Internal combustion engines, n e c . . . . .	2.6	6.5	2.0	2.0	3.4	7.1	2.2	1.3	.4	4.4
352	Farm machinery . . . . .	3.2	2.6	1.8	1.3	4.3	4.1	2.2	1.1	1.1	2.1
353	Construction and related machinery . . . . .	2.9	3.1	2.5	2.5	3.4	2.9	2.2	1.4	.4	.7
3531,2	Construction and mining machinery . . . . .	2.3	2.3	2.0	1.8	2.7	2.6	1.6	1.1	.3	.7
3533	Oil field machinery . . . . .	3.6	3.7	3.4	3.3	4.2	3.2	2.9	2.3	.2	.1
3535,6	Conveyors, hoists, cranes, monorails . . . . .	3.0	4.2	2.7	3.7	4.3	3.0	2.9	1.6	.5	.6
354	Metal working machinery . . . . .	2.5	2.7	1.9	1.9	4.1	4.1	2.4	1.4	1.0	1.9
3541	Machine tools, metal cutting types . . . . .	1.6	2.2	1.4	1.8	2.7	2.3	1.9	1.1	.2	.6
3545	Machine tool accessories . . . . .	2.1	2.2	1.7	1.7	4.1	2.9	3.1	1.4	.4	.9
3542,8	Misc. metal working machinery . . . . .	2.3	2.3	1.9	1.8	2.8	2.5	1.8	1.3	.4	.6
355	Special industry machinery . . . . .	2.8	2.4	2.3	2.0	3.5	2.8	2.3	1.4	.5	.7
3551	Food products machinery . . . . .	2.6	2.4	2.3	2.1	4.0	3.8	2.4	1.5	.8	1.5
3552	Textile machinery . . . . .	4.0	2.6	3.3	2.0	4.2	3.5	3.0	1.9	.2	.9
356	General industrial machinery . . . . .	2.5	3.0	2.2	2.3	3.6	3.1	2.5	1.5	.4	.8
3561	Pumps and compressors . . . . .	2.4	2.6	2.0	2.3	3.6	2.4	2.3	1.4	.5	.2
3562	Ball and roller bearings . . . . .	1.8	3.9	1.5	2.1	2.9	4.3	2.0	1.1	.2	2.0
3566	Power transmission equipment . . . . .	3.1	2.5	2.5	1.8	4.0	2.7	2.9	1.6	.3	.5
357	Office and computing machines . . . . .	3.0	2.9	2.3	1.9	3.1	2.7	1.8	1.2	.4	.6
3571	Computing machines and cash registers . . . . .	2.5	2.8	1.9	1.9	2.6	2.6	1.4	1.1	.4	.5
358	Service industry machines . . . . .	3.7	3.7	3.1	2.7	5.4	4.9	3.3	2.1	1.0	1.7
3585	Refrigeration machinery . . . . .	3.4	3.9	2.8	2.6	5.4	5.5	3.1	2.0	1.2	2.4
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	4.5	3.7	3.1	2.6	4.6	3.5	2.8	1.8	.6	.8
361	Electric test & distributing equipment . . . . .	3.6	3.1	2.5	2.4	3.9	3.2	2.3	1.6	.6	.7
3611	Electric measuring instruments . . . . .	3.7	3.3	2.7	2.5	4.3	2.9	2.5	1.6	.8	.5
3612	Transformers . . . . .	3.5	3.0	2.9	2.5	4.4	3.4	2.6	2.0	.8	.3
3613	Switchgear and switchboard apparatus . . . . .	3.5	2.9	2.0	2.3	3.2	3.4	2.1	1.3	.4	1.2
362	Electrical industrial apparatus . . . . .	2.7	2.9	2.1	2.1	3.8	3.0	2.5	1.4	.4	.5
3621	Motors and generators . . . . .	3.0	3.0	2.2	2.1	3.8	3.3	2.5	1.4	.4	.6
3622	Industrial controls . . . . .	2.6	2.6	2.1	2.0	3.8	2.9	2.4	1.4	.5	.4
363	Household appliances . . . . .	5.7	4.7	4.2	3.4	4.7	3.3	3.1	1.8	.4	.4
3632	Household refrigerators and freezers . . . . .	4.5	3.2	3.1	2.0	3.1	3.1	2.2	1.2	.2	.7
3633	Household laundry equipment . . . . .	8.4	5.7	6.8	4.7	4.9	2.2	3.7	1.1	.1	(1)
3634	Electric housewares and fans . . . . .	8.4	7.3	6.3	5.0	6.3	4.2	4.2	2.9	.5	.4
364	Electric lighting and wiring equipment . . . . .	5.5	4.3	4.2	3.3	5.4	4.4	3.7	2.3	.6	1.2
3641	Electric lamps . . . . .	4.7	1.5	2.2	1.1	2.8	3.4	1.9	1.0	.1	1.8
3642	Lighting fixtures . . . . .	6.3	5.5	5.4	4.5	7.1	5.5	4.6	2.9	1.0	1.3
3643,4	Wiring devices . . . . .	5.2	4.6	4.3	3.3	5.4	4.1	3.8	2.3	.5	.9
365	Radio and TV receiving equipment . . . . .	8.7	6.7	5.9	4.1	7.5	5.0	4.7	2.7	.2	.8
366	Communication equipment . . . . .	2.4	2.6	1.9	1.8	2.8	2.5	1.7	1.3	.4	.6
3661	Telephone and telegraph apparatus . . . . .	(2)	1.9	(2)	1.2	(2)	2.2	(2)	.8	(2)	1.0
3662	Radio and TV communication equipment . . . . .	2.3	2.8	1.8	2.0	2.9	2.7	1.7	1.4	.6	.5
367	Electronic components and accessories . . . . .	6.1	4.3	3.2	2.8	6.5	4.5	3.4	2.3	1.1	1.2
3671-3	Electron tubes . . . . .	5.0	4.1	2.9	1.9	5.4	4.2	2.7	1.6	.9	1.6
3674,9	Other electronic components . . . . .	6.3	4.3	3.2	3.0	6.8	4.6	3.5	2.4	1.1	1.1
369	Misc. electrical equipment & supplies . . . . .	5.2	3.6	4.1	2.4	4.8	3.2	3.3	1.6	.7	.8
3694	Engine electrical equipment . . . . .	3.5	2.5	2.6	1.1	3.6	2.8	2.4	1.0	.5	1.0

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
37	<b>TRANSPORTATION EQUIPMENT</b> .....	7.6	4.0	3.1	2.5	9.7	6.9	2.5	1.7	6.2	4.2
371	Motor vehicles and equipment .....	(2)	3.7	(2)	1.7	(2)	10.5	(2)	1.2	(2)	8.2
3711	Motor vehicles .....	(2)	3.2	(2)	1.2	(2)	10.8	(2)	1.2	(2)	8.5
3712	Passenger car bodies .....	(2)	5.0	(2)	.9	(2)	10.1	(2)	.4	(2)	8.9
3713	Truck and bus bodies .....	(2)	3.9	(2)	3.0	(2)	11.0	(2)	2.5	(2)	7.2
3714	Motor vehicle parts and accessories .....	(2)	3.8	(2)	2.1	(2)	10.3	(2)	1.2	(2)	8.2
372	Aircraft and parts .....	2.4	2.6	1.9	2.1	3.2	2.5	2.0	1.5	.6	.5
3721	Aircraft .....	1.9	2.5	1.5	2.0	2.7	2.5	1.9	1.6	.4	.4
3722	Aircraft engines and engine parts .....	2.6	2.3	1.7	1.7	3.2	2.1	1.5	1.0	1.1	.4
3723,9	Other aircraft parts and equipment .....	3.8	3.6	3.4	3.2	4.7	3.3	2.9	1.9	.8	.5
373	Ship and boat building and repairing .....	(2)	8.8	(2)	5.3	(2)	8.7	(2)	3.4	(2)	3.9
3731	Ship building and repairing .....	(2)	9.8	(2)	5.5	(2)	8.4	(2)	2.9	(2)	4.1
374	Railroad equipment .....	(2)	6.4	(2)	1.8	(2)	6.9	(2)	1.4	(2)	4.2
375,9	Other transportation equipment .....	9.4	9.0	9.1	8.4	11.2	9.5	8.0	5.5	.8	1.6
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	3.9	3.4	3.2	2.7	3.6	2.8	2.4	1.6	.4	.6
381	Engineering & scientific instruments .....	2.4	3.0	1.7	2.0	3.0	3.0	1.9	1.4	.6	1.0
382	Mechanical measuring & control devices .....	4.0	2.9	3.0	2.1	3.6	2.8	2.3	1.5	.4	.6
3821	Mechanical measuring devices .....	3.4	2.5	2.2	1.8	3.6	2.5	2.3	1.5	.5	.5
3822	Automatic temperature controls .....	4.9	3.5	4.2	2.6	3.7	3.4	2.4	1.6	.3	.7
383,5	Optical and ophthalmic goods .....	4.4	3.7	3.9	2.7	5.3	4.1	3.6	2.2	.7	1.2
384	Medical instruments and supplies .....	4.8	4.1	4.4	3.7	5.1	3.1	3.8	2.1	.2	.2
386	Photographic equipment and supplies .....	(2)	3.5	(2)	3.3	(2)	1.6	(2)	1.1	(2)	.1
387	Watches, clocks, and watchcases .....	5.6	4.1	4.3	2.7	5.6	4.0	3.6	2.1	.9	1.0
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	7.6	7.7	6.3	5.3	7.2	6.6	4.9	3.1	1.1	2.4
391	Jewelry, silverware, and plated ware .....	4.9	5.8	4.1	3.1	4.5	6.0	3.5	2.0	.3	3.2
394	Toys and sporting goods .....	12.3	12.1	10.2	9.1	10.7	9.0	6.8	4.7	1.9	2.9
3941-3	Games, toys, dolls, & play vehicles .....	14.2	15.7	12.1	12.1	11.6	9.7	7.6	5.6	1.6	2.3
3949	Sporting and athletic goods, n e c .....	8.9	6.5	7.1	4.5	9.1	8.0	5.4	3.2	2.4	3.7
395	Pens, pencils, office and art supplies .....	4.5	3.9	4.0	3.1	4.5	3.5	3.4	2.3	.3	.5
396	Costume jewelry and notions .....	6.4	8.1	5.3	4.8	6.6	7.1	4.8	2.8	.8	3.3
393,8,9	Other manufacturing industries .....	5.9	5.5	4.8	3.8	6.2	5.3	4.3	2.5	.9	1.9
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	10.6	8.7	8.4	6.6	7.9	6.4	5.0	3.1	2.0	2.5
201	Meat products .....	8.6	8.0	6.0	5.6	8.3	6.3	5.3	3.6	2.1	1.9
2011	Meat packing plants .....	6.9	5.9	3.3	2.8	7.0	5.4	2.9	1.6	3.2	3.1
2015	Poultry dressing plants .....	14.9	14.5	13.2	12.3	13.5	10.0	12.1	8.8	.4	.2
204	Grain mill products .....	4.3	3.8	3.7	3.1	4.8	3.8	3.2	1.7	.7	1.4
2041	Flour and other grain mill products .....	5.1	3.6	4.1	3.1	4.3	3.6	2.7	1.4	.3	1.1
2042	Prepared feeds for animals and fowls .....	3.4	3.3	3.3	3.0	4.6	3.9	3.3	1.9	.6	1.3
205	Bakery products .....	4.4	4.8	4.1	4.3	4.6	4.4	3.4	3.0	.4	.5
2051	Bread, cake, and related products .....	4.2	4.8	4.0	4.4	4.3	4.2	3.3	3.1	.3	.4
2052	Cookies and crackers .....	5.0	5.0	4.3	3.8	6.3	5.1	3.5	2.5	1.1	1.3
207	Confectionery and related products .....	12.9	9.2	8.4	6.0	7.7	7.7	5.2	3.5	1.6	3.4
2071	Confectionery products .....	15.0	10.7	9.5	6.8	8.8	9.2	6.0	4.1	1.9	4.2
208	Beverages .....	5.9	5.9	4.3	4.6	6.9	4.9	4.2	2.6	1.8	1.4
2082	Malt liquors .....	3.4	4.1	1.2	2.3	5.6	3.2	1.7	.7	3.4	2.0
21	<b>TOBACCO MANUFACTURES</b> .....	18.2	6.0	11.9	4.1	6.0	4.0	2.7	1.7	2.9	1.7
211	Cigarettes .....	1.6	2.1	1.5	1.7	1.5	1.6	1.1	.7	.1	.2
212	Cigars .....	8.6	5.4	5.1	4.2	5.8	7.9	5.1	4.1	.1	3.2

See footnotes at end of table. NOTE: Data for the current month are preliminary.



**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-2: Labor turnover rates, by industry--Continued**

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968
<i>Nondurable Goods--Continued</i>											
22	<b>TEXTILE MILL PRODUCTS</b> .....	6.3	5.6	5.2	4.5	6.6	5.6	5.2	3.7	0.4	0.9
221	Weaving mills, cotton.....	5.7	4.6	4.7	3.7	6.2	5.2	5.1	3.8	.2	.5
222	Weaving mills, synthetics.....	5.9	5.4	4.8	4.2	6.0	5.1	5.1	3.5	.2	.6
223	Weaving and finishing mills, wool.....	4.8	4.9	3.7	3.9	7.1	4.9	4.2	3.1	1.5	.9
224	Narrow fabric mills.....	6.2	6.1	5.1	4.8	6.7	5.7	4.8	3.3	.5	1.3
225	Knitting mills.....	6.7	6.2	5.3	5.2	6.6	5.6	5.3	3.7	.6	1.2
2251	Women's hosiery, except socks.....	6.0	6.2	5.4	5.7	5.7	4.8	5.0	4.1	.3	.2
2252	Hosiery, n e c.....	6.0	5.6	5.3	5.0	6.6	4.7	5.3	3.6	.4	.5
2254	Knit underwear mills.....	4.5	4.0	3.3	3.0	5.5	3.5	4.7	3.0	.3	.2
226	Textile finishing, except wool.....	4.9	4.5	4.4	3.0	6.1	4.9	4.6	2.8	.6	1.3
227	Floor covering mills.....	7.3	6.2	6.4	5.4	6.6	5.1	5.0	3.5	.4	.5
228	Yarn and thread mills.....	8.3	7.6	7.0	6.1	8.7	6.9	7.2	5.5	.3	.5
229	Miscellaneous textile goods.....	6.1	5.2	4.8	4.0	6.0	6.6	4.2	3.0	.6	2.2
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	6.8	6.9	4.3	4.3	6.4	7.7	4.0	3.1	1.4	3.7
231	Men's and boys' suits and coats.....	5.2	4.4	3.1	2.9	3.8	5.5	2.6	2.0	.3	2.8
232	Men's and boys' furnishings.....	6.9	6.3	5.2	4.7	6.7	6.1	5.4	3.9	.5	1.5
2321	Men's and boys' shirts and nightwear.....	6.0	5.6	4.7	4.2	6.7	5.4	5.4	3.6	.5	1.2
2327	Men's and boys' separate trousers.....	7.9	6.1	5.3	4.6	6.5	6.2	5.4	4.1	.2	1.3
2328	Men's and boys' work clothing.....	6.2	6.6	5.1	4.9	6.4	6.2	5.5	4.4	.3	.9
234	Women's and children's undergarments.....	6.6	6.9	4.8	4.6	6.0	6.8	4.7	3.5	.5	2.5
2341	Women's and children's underwear.....	6.7	7.6	5.0	5.2	6.2	6.9	4.9	3.8	.4	2.3
2342	Corsets and allied garments.....	6.5	5.5	4.4	3.4	5.6	6.7	4.3	3.0	.7	3.0
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	4.5	4.2	3.9	3.6	5.2	4.0	3.8	2.2	.4	.9
261,2,6	Paper and pulp mills.....	2.1	2.3	1.7	1.8	3.5	2.0	2.5	1.1	.4	.4
263	Paperboard mills.....	3.7	3.2	3.0	2.5	4.0	2.6	3.1	1.5	.1	.5
264	Misc. converted paper products.....	5.2	4.9	4.7	4.3	5.7	5.0	4.3	2.8	.4	1.1
2643	Bags, except textile bags.....	7.2	5.9	6.2	5.3	7.6	6.1	5.7	3.7	.7	1.0
265	Paperboard containers and boxes.....	6.6	5.9	5.7	5.1	6.9	5.6	5.1	3.2	.6	1.2
2651,2	Folding and setup paperboard boxes.....	7.1	7.2	6.1	5.9	6.3	6.3	4.8	3.3	.4	1.9
2653	Corrugated and solid fiber boxes.....	6.1	5.3	5.5	5.0	6.8	5.3	5.2	3.4	.4	.7
	<b>PRINTING AND PUBLISHING</b> .....	3.5	3.7	2.9	3.1	4.3	3.3	3.0	2.0	.6	.7
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	3.0	2.9	2.5	2.5	3.4	2.3	2.2	1.2	.4	.4
281	Industrial chemicals.....	1.6	1.7	1.4	1.5	2.6	1.6	1.6	.7	.5	.3
282	Plastics materials and synthetics.....	3.0	2.7	2.6	2.4	2.9	1.8	2.0	1.2	.2	.1
2821	Plastics materials and resins.....	3.1	2.7	2.7	2.4	3.6	1.7	2.3	1.1	.4	.1
2823,4	Synthetic fibers.....	3.0	2.9	2.7	2.6	2.5	2.0	1.8	1.3	(1)	.2
283	Drugs.....	2.1	2.8	1.8	2.5	3.3	1.8	2.2	1.1	.5	.2
2834	Pharmaceutical preparations.....	2.3	2.7	1.9	2.4	3.5	2.0	2.5	1.3	.4	.3
284	Soap, cleaners, and toilet goods.....	6.3	5.8	5.3	4.5	5.1	3.2	3.2	1.7	.6	.7
2841	Soap and other detergents.....	3.5	4.4	3.0	3.4	3.0	1.6	1.6	.9	.7	.1
2844	Toilet preparations.....	10.0	8.0	8.3	6.6	7.2	4.4	4.6	2.4	.6	.9
285	Paints and allied products.....	2.0	3.1	1.9	2.8	3.3	2.5	2.5	1.6	.1	.2
286,9	Other chemical products.....	4.4	3.5	3.7	3.2	4.8	3.0	3.4	1.9	.4	.4
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	2.5	2.7	2.3	2.5	3.3	2.2	2.0	1.0	.6	.5
291	Petroleum refining.....	1.7	2.2	1.6	2.0	2.6	1.5	1.4	.6	.6	.4
295,9	Other petroleum and coal products.....	5.9	4.7	5.4	4.4	6.2	4.9	4.4	2.4	.6	1.0
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C.</b> .....	6.0	6.2	5.1	4.6	6.5	5.7	4.8	2.9	.6	1.6
301	Tires and inner tubes.....	1.8	2.0	1.3	1.5	2.2	1.8	1.3	.7	.3	.4
302,3,6	Other rubber products.....	5.6	5.6	4.3	3.7	6.2	5.7	4.4	2.7	.6	1.9
307	Miscellaneous plastics products.....	8.1	8.4	7.3	6.6	8.5	7.4	6.5	4.1	.6	1.8

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-2: Labor turnover rates, by industry--Continued**

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968	Aug. 1968	July 1968
	<i>Nondurable Goods--Continued</i>										
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	6.6	8.2	5.1	5.4	7.7	8.3	5.6	4.0	0.9	3.2
311	Leather tanning and finishing .....	4.8	5.7	4.0	4.5	7.4	6.1	5.3	3.6	.7	1.7
314	Footwear, except rubber .....	6.3	8.3	4.8	5.2	7.7	8.2	5.6	4.1	.9	3.0
	<b>NONMANUFACTURING</b>										
10	<b>METAL MINING</b> .....	2.8	3.1	2.2	2.5	4.5	3.1	2.7	1.7	1.0	.6
101	Iron ores .....	1.7	1.6	.9	1.1	4.6	2.9	1.2	.8	2.5	1.4
102	Copper ores .....	2.6	2.9	1.7	2.0	2.8	2.2	2.0	1.1	.2	.2
11,12	<b>COAL MINING</b> .....	2.2	2.1	1.6	1.5	2.0	1.8	1.4	.9	.1	.3
12	Bituminous coal and lignite mining .....	2.1	1.9	1.5	1.5	2.0	1.8	1.4	.9	.1	.2
	<b>COMMUNICATION:</b>										
481	Telephone communication .....	(2)	3.9	-	-	(2)	2.3	(2)	1.7	(2)	.1
482	Telegraph communication <sup>3</sup> .....	(2)	3.4	-	-	(2)	2.3	(2)	1.6	(2)	.3

<sup>1</sup>Less than 0.05.

<sup>2</sup>Not available.

<sup>3</sup>Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED LABOR TURNOVER**

**D-4: Labor turnover rates in manufacturing, 1958 to date**  
**seasonally adjusted**

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
1958.....	3.1	3.1	3.1	3.3	3.5	3.7	3.9	3.9	4.0	3.9	3.9	4.2
1959 <sup>1</sup> .....	4.0	4.3	4.6	4.3	4.1	4.2	4.0	4.1	4.1	3.9	4.2	5.6
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.9	3.5	3.6	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.2	3.8	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.7	3.8
1963.....	3.8	3.8	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964.....	3.8	4.0	3.9	4.0	3.8	4.0	4.0	4.0	4.0	3.9	4.0	4.1
1965.....	4.0	4.1	4.2	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	4.9	5.2	5.0	5.1	5.1	4.7	5.1	5.0	5.0	4.8	4.6
1967.....	4.6	4.3	4.1	4.2	4.6	4.5	4.4	4.4	4.4	4.5	4.5	4.4
1968.....	4.5	4.5	4.1	4.7	4.6	4.5	4.6	4.5				
<b>New hires</b>												
1958.....	1.4	1.4	1.3	1.5	1.5	1.6	1.9	1.8	2.0	2.0	2.1	2.2
1959.....	2.4	2.7	2.9	2.8	2.6	2.7	2.7	2.6	2.7	2.3	2.4	2.6
1960.....	2.6	2.8	2.4	2.2	2.2	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962.....	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963.....	2.3	2.2	2.3	2.5	2.4	2.4	2.4	2.5	2.5	2.4	2.2	2.5
1964.....	2.4	2.5	2.6	2.6	2.4	2.6	2.7	2.7	2.7	2.6	2.7	2.8
1965.....	2.8	3.0	3.2	2.9	2.9	3.1	3.0	3.1	3.1	3.2	3.5	3.8
1966.....	3.8	3.8	4.3	4.0	4.0	4.0	3.7	3.8	3.7	3.9	3.7	3.6
1967.....	3.5	3.3	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.3	3.4
1968.....	3.5	3.3	3.4	3.5	3.4	3.3	3.5	3.3				
<b>Total separations</b>												
1958.....	5.4	4.8	4.9	4.6	4.2	3.7	3.7	3.7	3.6	3.8	3.6	3.7
1959 <sup>1</sup> .....	3.7	3.6	3.6	3.8	3.8	3.9	4.0	4.1	4.2	5.1	4.6	4.1
1960.....	3.6	4.1	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.4	4.4	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962.....	3.9	4.0	4.0	3.9	4.1	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963.....	4.0	3.8	3.9	3.9	3.9	3.7	3.9	4.1	3.8	3.8	4.0	3.8
1964.....	4.0	4.0	3.9	3.8	3.9	3.8	4.2	3.6	3.9	3.9	3.8	3.8
1965.....	3.8	3.8	3.8	4.0	3.9	4.0	4.0	4.2	4.3	4.2	4.2	4.3
1966.....	4.1	4.4	4.6	4.7	4.7	4.8	5.0	4.8	5.0	4.5	4.7	4.4
1967.....	4.6	4.8	5.1	4.7	4.6	4.7	4.5	4.4	4.6	4.4	4.4	4.1
1968.....	4.5	4.7	4.6	4.5	4.7	4.5	4.7	5.0				
<b>Quits</b>												
1958.....	1.2	1.1	1.0	.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.4	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.4	1.5	1.4	1.4	1.5	1.4	1.5	1.5	1.6	1.6	1.5	1.6
1965.....	1.7	1.7	1.7	1.8	1.7	1.7	1.8	1.8	2.0	2.1	2.1	2.2
1966.....	2.2	2.4	2.6	2.7	2.5	2.6	2.6	2.5	2.6	2.6	2.6	2.6
1967.....	2.5	2.5	2.4	2.3	2.3	2.4	2.2	2.3	2.3	2.3	2.3	2.3
1968.....	2.3	2.5	2.4	2.3	2.5	2.4	2.4	2.6				
<b>Layoffs</b>												
1958.....	3.4	3.4	3.4	3.3	3.1	2.4	2.4	2.3	2.2	2.1	1.9	1.9
1959.....	1.8	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.1	2.9	2.4	1.9
1960.....	1.5	2.0	2.3	2.3	2.4	2.5	2.4	2.5	2.5	2.6	2.6	2.8
1961.....	2.8	3.0	2.4	2.1	2.2	2.3	2.2	1.9	2.2	1.8	1.9	2.0
1962.....	1.8	2.0	1.7	1.8	2.0	2.0	2.0	2.3	2.0	2.0	2.0	1.9
1963.....	2.0	1.9	1.9	1.8	1.9	1.8	1.7	2.0	1.9	1.7	1.8	1.7
1964.....	1.8	1.8	1.8	1.6	1.8	1.6	1.7	1.5	1.6	1.7	1.5	1.5
1965.....	1.5	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.3	1.4
1966.....	1.2	1.2	1.1	1.1	1.2	1.3	1.5	1.1	1.1	1.0	1.2	1.2
1967.....	1.4	1.5	1.7	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2
1968.....	1.4	1.4	1.2	1.1	1.3	1.1	1.2	1.5				

<sup>1</sup>Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

D-5: Labor turnover rates in manufacturing for selected States and areas

(Per 100 employees)

State and area	Accession rates				Separation rates						
	Total		New hires		Total		Quits		Layoffs		
	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	
<b>ALABAMA:</b>											
Birmingham .....	3.4	3.8	2.2	3.1	2.4	3.5	1.2	1.3	0.5	1.4	
Mobile <sup>1</sup> .....	7.1	10.0	2.9	4.0	5.9	6.1	1.4	1.5	3.7	3.9	
<b>ALASKA</b> .....	35.7	46.4	29.2	34.1	24.6	12.9	8.5	5.7	14.5	5.5	
<b>ARIZONA</b> .....	5.4	7.3	4.2	5.5	4.9	4.7	2.6	2.7	1.3	.8	
Phoenix .....	5.6	7.5	4.4	5.6	4.9	4.8	2.5	2.8	1.4	.8	
<b>ARKANSAS</b> .....	7.5	7.6	6.5	6.8	6.9	6.0	4.9	4.3	.9	.9	
Fort Smith .....	12.2	6.4	7.9	5.9	8.8	5.0	7.3	3.7	.6	.7	
Little Rock-North Little Rock .....	6.0	7.2	5.3	6.1	6.2	5.2	4.6	3.7	.3	.6	
Pine Bluff .....	5.3	8.1	4.5	6.5	4.4	5.1	3.3	3.8	.6	.5	
<b>CALIFORNIA</b> <sup>1</sup> .....	5.0	5.7	4.2	4.7	4.6	4.7	2.4	2.4	1.1	1.1	
Los Angeles-Long Beach <sup>1</sup> .....	5.2	5.7	4.5	4.8	4.8	4.8	2.5	2.5	1.0	1.0	
<b>COLORADO</b> .....	6.0	7.5	4.7	6.3	4.6	4.4	2.5	2.5	1.0	1.0	
Denver .....	5.4	7.0	4.6	6.2	4.6	4.4	2.6	2.6	.8	1.0	
<b>CONNECTICUT</b> .....	3.4	4.7	2.8	3.9	3.4	3.3	1.9	2.0	.6	.4	
Hartford .....	2.9	3.9	2.6	3.3	4.4	3.1	1.7	1.9	2.0	.4	
<b>DELAWARE</b> <sup>1</sup> .....	3.9	4.4	1.9	3.4	11.6	2.2	1.2	1.2	9.7	.3	
Wilmington <sup>1</sup> .....	3.7	4.3	1.5	3.3	11.5	2.2	.9	1.2	9.9	.3	
<b>DISTRICT OF COLUMBIA:</b>											
Washington SMSA .....	(*)	4.1	(*)	4.0	(*)	3.2	(*)	2.6	(*)	.1	
<b>FLORIDA</b> .....	5.4	5.9	4.6	5.3	8.1	6.3	3.1	3.2	4.1	2.2	
Fort Lauderdale-Hollywood .....	8.9	9.1	8.1	8.6	6.7	8.1	4.8	5.7	.7	1.0	
Jacksonville .....	5.5	7.0	5.2	6.7	4.5	4.9	3.1	4.1	.7	.2	
Miami .....	4.8	5.6	4.5	4.7	6.2	5.7	3.0	3.2	2.2	1.5	
Orlando .....	5.7	6.1	5.4	5.1	11.9	6.1	3.6	3.3	7.0	1.7	
Pensacola .....	1.0	2.1	1.0	2.0	2.5	1.5	.7	1.1	1.7	.1	
Tampa-St. Petersburg .....	6.5	6.5	5.2	5.7	8.1	6.8	4.2	3.8	2.8	2.3	
West Palm Beach .....	3.3	4.8	3.1	3.9	4.1	3.2	2.9	2.2	(2)	.1	
<b>GEORGIA</b> .....	5.6	6.9	4.3	5.6	5.0	4.9	3.5	3.4	.7	.6	
Atlanta <sup>3</sup> .....	4.6	6.5	3.6	5.5	4.2	4.5	2.9	3.0	.6	.6	
<b>HAWAII</b> <sup>4</sup> .....	3.4	4.3	2.5	3.2	2.9	2.8	1.5	1.3	.6	.5	
<b>IDAHO</b> <sup>5</sup> .....	5.9	9.8	5.3	7.7	5.5	5.7	3.8	3.7	.5	1.0	
<b>ILLINOIS:</b>											
Chicago .....	4.7	6.4	4.1	5.4	4.2	4.3	2.6	2.7	.5	.	
<b>INDIANA</b> <sup>1</sup> .....	3.7	5.2	2.7	4.0	3.9	3.6	2.0	1.9	1.0	.8	
Indianapolis <sup>6</sup> .....	3.6	4.5	2.9	3.8	5.2	3.2	1.9	1.9	2.1	.2	
<b>IOWA</b> .....	4.5	6.1	3.6	4.9	3.9	3.5	2.2	2.3	.9	.6	
Cedar Rapids .....	4.4	5.3	3.9	4.5	3.6	4.2	2.0	2.3	1.0	1.2	
Des Moines .....	5.1	7.3	3.7	6.3	4.2	3.9	2.8	2.7	.3	.1	
<b>KANSAS</b> .....	3.6	6.3	2.8	4.9	4.4	4.5	2.2	2.6	1.3	1.0	
Topeka .....	2.9	6.6	2.1	4.8	3.4	4.2	1.4	1.8	1.6	1.4	
Wichita .....	2.5	4.5	2.1	3.8	4.1	3.8	1.8	2.2	1.4	.5	
<b>KENTUCKY</b> .....	4.3	5.3	3.5	4.3	4.0	3.3	2.3	2.0	.9	.6	
Louisville .....	3.8	4.9	3.1	4.0	2.8	2.8	1.8	1.6	.3	.4	
<b>LOUISIANA:</b>											
New Orleans <sup>7</sup> .....	4.2	6.8	3.1	5.2	4.6	4.9	2.0	2.0	1.6	1.3	
<b>MAINE</b> .....	6.9	9.6	5.5	7.5	5.8	6.3	3.9	4.2	.9	1.0	
Portland .....	4.5	6.5	3.7	5.2	4.3	4.6	2.8	3.1	.5	.7	
<b>MARYLAND</b> .....	4.7	5.4	3.5	4.2	4.1	3.6	2.0	1.8	1.3	.9	
Baltimore .....	4.0	5.2	3.2	4.1	3.9	3.5	2.0	1.7	1.1	.8	

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

**D-5: Labor turnover rates in manufacturing for selected States and areas--Continued**

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968
MASSACHUSETTS.....	7.0	5.5	3.2	4.5	7.1	3.8	2.4	2.4	4.0	0.6
Boston.....	4.4	5.2	2.8	4.4	5.1	3.6	2.2	2.4	2.2	.4
MICHIGAN.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MINNESOTA.....	4.9	7.7	4.0	6.2	4.7	3.7	2.2	2.3	1.7	.7
Duluth-Superior.....	5.1	6.4	4.2	5.3	3.9	3.6	2.4	2.0	.2	.5
Minneapolis-St. Paul.....	4.4	6.3	3.5	5.2	4.6	3.8	2.1	2.3	1.7	.7
MISSISSIPPI:										
Jackson.....	6.6	6.0	5.9	5.4	5.4	4.4	3.3	3.4	1.4	.7
MISSOURI.....	4.0	5.5	3.2	4.5	3.7	3.8	2.2	2.3	.7	.6
Kansas City.....	3.8	6.8	3.0	5.3	3.9	4.1	2.3	2.4	.8	.8
St. Louis.....	3.6	4.5	2.8	3.9	3.2	3.0	1.7	1.8	.8	.4
MONTANA <sup>5</sup> .....	4.7	8.5	4.2	7.9	3.3	4.4	2.1	2.7	.3	.8
NEBRASKA.....	4.5	7.1	3.7	5.7	3.8	4.6	2.8	3.1	.3	.6
NEVADA.....	7.0	8.1	6.2	5.9	5.5	4.6	2.6	2.7	1.3	1.3
NEW HAMPSHIRE.....	4.7	6.7	4.1	5.8	4.9	4.8	3.5	3.8	.5	.3
NEW JERSEY:										
Jersey City.....	5.1	4.4	3.2	2.9	4.4	3.2	1.6	1.5	2.1	.9
Newark.....	4.3	4.9	3.1	3.9	5.8	3.3	1.8	1.6	3.3	.9
Paterson-Clifton-Passaic.....	5.4	5.3	3.7	4.2	5.7	3.4	2.3	2.0	2.6	.7
Perth Amboy.....	7.7	7.2	2.9	4.1	7.9	5.5	1.7	1.5	5.2	3.2
Trenton.....	4.8	4.7	2.6	3.7	4.8	2.7	1.6	1.6	2.6	.5
NEW YORK.....	5.0	5.4	3.6	4.1	5.1	4.1	2.0	1.8	2.3	1.5
Albany-Schenectady-Troy.....	3.6	4.6	2.9	3.8	3.9	2.7	1.5	1.5	.6	.3
Binghamton.....	2.5	3.5	1.9	2.6	2.0	2.1	1.3	1.3	.1	.2
Buffalo.....	3.6	4.4	2.4	3.3	4.1	2.6	1.4	1.2	2.0	.7
Elmira.....	4.3	6.0	3.9	5.1	2.6	3.4	1.8	2.5	.2	.2
Monroe County <sup>6</sup> .....	3.8	5.1	3.4	4.6	2.5	2.7	1.5	1.7	.4	.4
Nassau and Suffolk Counties <sup>6</sup> .....	4.4	5.1	3.9	4.4	4.3	5.2	2.4	2.2	1.3	2.0
New York SMSA.....	5.6	5.2	4.1	3.9	6.7	4.8	2.3	1.9	3.4	2.0
New York City <sup>9</sup> .....	6.3	5.7	4.3	4.0	7.5	5.0	2.4	1.9	4.1	2.2
Rochester.....	4.9	5.5	3.9	4.7	2.8	2.8	1.6	1.7	.6	.4
Syracuse.....	3.6	4.6	2.1	3.2	2.6	3.4	1.5	1.6	.4	1.1
Utica-Rome.....	3.9	5.2	2.6	3.9	3.7	3.1	1.8	1.7	1.2	.7
Westchester County <sup>8</sup> .....	4.8	5.0	3.5	3.6	6.4	4.2	1.8	1.6	3.9	1.8
NORTH CAROLINA.....	5.2	6.1	4.4	5.2	4.6	4.2	3.6	3.2	.2	.2
Charlotte.....	6.1	5.9	5.5	5.4	4.5	4.5	3.6	3.6	(2)	(2)
Greensboro-Winston-Salem-High Point.....	4.5	6.1	4.1	5.1	3.8	3.4	3.0	2.5	.1	.1
NORTH DAKOTA.....	4.6	6.8	3.7	5.7	4.3	3.4	2.5	2.6	1.3	.5
Fargo-Moorhead.....	5.8	7.8	4.9	6.8	3.6	4.2	2.8	3.0	.2	.5
OHIO.....	3.4	5.2	2.6	4.1	3.5	3.4	1.7	1.6	.7	.9
Akron.....	2.6	4.2	2.0	3.4	2.7	2.5	1.2	1.2	.6	.5
Canton.....	3.0	5.9	2.1	4.7	4.6	3.7	2.0	1.7	.9	.7
Cincinnati.....	3.6	5.2	3.0	4.3	3.2	2.9	1.7	1.7	.6	.4
Cleveland.....	3.3	5.3	2.7	4.5	3.5	3.6	2.0	1.8	.5	.8
Columbus.....	3.6	4.2	2.9	3.5	3.1	4.0	1.9	2.0	.4	1.2
Dayton.....	2.8	3.6	2.2	2.9	2.8	2.8	1.4	1.2	.4	.6
Toledo.....	3.6	5.5	2.5	4.4	4.0	4.0	1.6	1.6	1.1	1.1
Youngstown-Warren.....	2.1	6.3	1.5	4.2	3.1	3.8	1.4	1.0	.7	1.7
OKLAHOMA:										
Oklahoma City.....	4.9	6.7	4.2	5.6	4.8	5.3	3.4	3.6	.5	.7
Tulsa <sup>10</sup> .....	5.5	6.3	4.8	5.6	5.2	4.1	3.6	3.2	.7	.2
OREGON <sup>1</sup> .....	6.1	8.4	5.6	7.4	5.4	5.3	3.3	3.1	1.2	1.2
Portland <sup>1</sup> .....	5.7	7.8	5.2	6.8	5.4	5.6	3.1	3.1	1.4	1.6

See footnotes at end of table.  
NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

**D-5: Labor turnover rates in manufacturing for selected States and areas--Continued**

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968	July 1968	June 1968
<b>PENNSYLVANIA:</b>										
Allentown-Bethlehem-Easton . . . . .	3.4	4.8	2.5	4.2	3.9	2.8	2.0	1.7	1.4	0.6
Altoona . . . . .	6.9	5.2	3.6	4.6	5.9	5.5	3.2	3.2	2.2	1.8
Erie . . . . .	4.1	5.4	2.4	3.9	4.4	3.4	1.5	1.6	2.0	.8
Harrisburg . . . . .	3.1	4.4	2.4	3.4	2.8	2.7	1.8	1.8	.6	.5
Johnstown . . . . .	3.0	3.4	2.0	2.9	6.1	1.9	1.4	1.1	4.1	.2
Lancaster . . . . .	3.9	5.2	2.5	4.2	3.9	2.9	2.2	2.0	1.2	.1
Philadelphia . . . . .	3.6	4.9	2.7	3.8	3.9	3.3	1.6	1.6	1.4	.8
Pittsburgh . . . . .	2.1	3.8	1.4	2.9	2.6	2.0	.7	.7	1.3	.5
Reading . . . . .	4.2	5.3	3.2	4.4	3.7	4.4	2.2	2.1	.9	1.8
Scranton . . . . .	6.3	5.7	3.6	3.9	6.3	2.9	1.7	1.6	3.9	.6
Wilkes-Barre-Hazleton . . . . .	5.1	5.0	3.1	4.1	5.4	3.2	1.9	1.8	2.9	.8
York . . . . .	6.2	6.3	3.8	5.6	5.4	3.6	2.9	2.7	1.9	.3
<b>RHODE ISLAND:</b>										
Providence-Pawtucket-Warwick . . . . .	8.0	6.6	4.0	5.5	8.1	4.4	3.1	2.9	4.0	.6
	8.8	6.2	4.0	5.2	8.6	3.9	3.0	2.7	4.6	.5
<b>SOUTH CAROLINA:</b>										
Greenville . . . . .	5.9	6.4	5.3	5.8	5.6	5.1	4.6	4.0	.1	.1
<b>SOUTH DAKOTA:</b>										
Sioux Falls . . . . .	5.1	8.7	3.9	7.1	6.2	4.5	2.3	2.8	3.5	1.3
	6.3	10.2	4.3	7.1	7.5	4.3	3.3	2.1	4.0	2.0
<b>TENNESSEE:</b>										
Memphis . . . . .	6.4	6.6	5.5	5.5	5.5	4.8	3.1	3.1	1.1	.5
<b>TEXAS:</b>										
Dallas . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fort Worth . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
San Antonio . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>UTAH<sup>5</sup>:</b>										
Salt Lake City <sup>5</sup> . . . . .	4.2	6.8	3.2	5.8	3.4	3.6	2.0	2.3	.6	.7
	4.4	7.1	3.5	6.4	3.2	3.7	2.0	2.3	.4	.7
<b>VERMONT:</b>										
Burlington . . . . .	3.3	4.8	2.8	4.0	2.5	3.0	1.7	2.1	.3	.3
Springfield . . . . .	3.9	5.5	3.3	4.5	2.1	2.2	1.3	1.7	.2	.1
	1.3	3.4	.9	3.0	1.5	2.5	.9	1.1	.2	.6
<b>VIRGINIA:</b>										
Richmond . . . . .	5.2	6.2	4.0	5.1	4.7	4.2	2.9	2.8	1.0	.6
	5.5	5.9	4.1	4.9	4.6	3.7	2.5	2.6	1.4	.1
<b>WASHINGTON:</b>										
Seattle-Everett <sup>11</sup> . . . . .	3.8	5.7	3.0	4.7	4.2	4.6	3.1	3.1	.4	.
<b>WEST VIRGINIA:</b>										
Charleston . . . . .	1.3	2.5	.8	2.0	1.1	1.7	.5	.8	.1	.6
<b>WISCONSIN:</b>										
Milwaukee . . . . .	4.9	6.8	3.7	5.6	4.2	3.0	1.9	1.8	1.5	.4
	4.1	5.5	2.8	4.5	4.8	3.0	1.8	1.7	1.9	.3
<b>WYOMING<sup>5</sup>:</b>										
	6.5	9.7	5.5	9.0	5.0	6.2	3.7	3.0	.7	2.5

<sup>1</sup>Excludes canning and preserving.  
<sup>2</sup>Less than 0.05.  
<sup>3</sup>Excludes agricultural chemicals and miscellaneous manufacturing.  
<sup>4</sup>Excludes canned fruits, vegetables, preserves, jams and jellies.  
<sup>5</sup>Excludes canning and preserving, and sugar.  
<sup>6</sup>Excludes canning and preserving, and newspapers.  
<sup>7</sup>Excludes printing and publishing.  
<sup>8</sup>Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>9</sup>Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup>Excludes new-hire rate for transportation equipment.  
<sup>11</sup>Excludes canning and preserving, printing and publishing.

\*Not available.  
**NOTE:** Data for the current month are preliminary.  
**SOURCE:** Cooperating State agencies listed on inside back cover.

# UNEMPLOYMENT INSURANCE DATA

100

## E-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	Sept. 1968	Aug. 1968	Sept. 1967	Change to Sept. 1968 from <sup>1</sup>		Sept. 1968	Aug. 1968	Sept. 1967
				Aug. 1968	Sept. 1967			
<b>TOTAL<sup>2</sup></b> .....	804.9	994.2	891.4	-189.3	-86.5	1.6	2.0	1.8
<b>SEASONALLY ADJUSTED</b> .....	1081.7	1148.8	1188.8	-67.0	-107.1	2.2	2.3	2.5
Alabama.....								
Alaska <sup>*</sup> .....	14.9	14.7	15.0	.2	.1	2.2	2.2	2.3
Arizona.....	1.3	1.3	1.4	--	1	2.9	2.9	3.4
Arkansas.....	5.0	5.4	6.8	1.4	1.8	1.6	1.8	2.2
California.....	5.6	6.2	7.8	2.2	2.2	1.5	1.7	2.1
Colorado.....	131.5	149.5	141.2	-18.0	-9.6	2.7	3.1	3.0
Connecticut.....	2.6	3.1	3.4	-.5	-.7	6	.7	.8
Delaware.....	18.3	26.3	14.0	-8.0	4.3	2.0	2.8	1.5
District of Columbia.....	1.6	4.3	1.6	-2.7	--	1.0	2.7	1.0
Florida.....	3.4	4.2	3.2	-.8	.2	1.0	1.2	1.0
Georgia.....	24.7	25.3	25.7	-.6	-1.0	2.0	2.0	2.1
Hawaii.....	9.0	13.9	13.4	-.4	-.4	9	1.4	1.4
Idaho.....	3.6	3.1	5.4	2.3	2.3	1.8	1.5	2.7
Illinois.....	2.2	3.5	2.5	-1.3	-.3	1.6	2.5	1.8
Indiana.....	31.4	38.3	33.3	-6.9	-1.9	1.0	1.2	1.1
Iowa.....	12.4	14.5	14.4	-.2	-2.0	9	1.1	1.1
Kansas.....	4.2	5.8	4.3	-1.6	-.1	8	1.0	.8
Kentucky.....	4.4	7.5	4.0	-3.1	.4	1.1	1.8	1.0
Louisiana.....	8.8	11.6	9.9	-2.8	-1.1	1.5	2.0	1.8
Maine.....	13.5	14.2	15.9	1.7	2.4	1.9	2.0	2.3
Maryland.....	4.3	4.2	3.7	-.6	-.7	2.0	1.9	1.7
Massachusetts.....	12.0	13.9	9.7	-2.0	2.3	1.4	1.6	1.1
Michigan.....	35.8	41.0	39.7	-5.2	-3.9	2.1	2.4	2.4
Minnesota.....	37.6	104.8	36.6	-67.2	1.0	1.6	4.5	1.6
Mississippi.....	5.6	8.6	5.9	-3.0	-.4	6	1.0	.7
Missouri.....	5.1	4.8	6.1	1.3	-1.0	1.4	1.4	1.8
Montana.....	14.7	24.1	16.3	-9.4	-1.6	1.3	2.1	1.5
Nebraska.....	1.4	1.7	1.7	-.2	-.2	12	1.4	1.4
Nevada.....	2.0	2.5	2.0	-.5	--	.7	.9	.7
New Hampshire.....	3.2	3.5	3.4	-.3	-.3	2.5	2.7	2.7
New Jersey.....	1.3	1.2	1.7	.4	-.4	.7	.7	1.0
New Mexico.....	44.7	57.3	41.8	-12.6	2.9	2.4	3.1	2.3
New York.....	2.9	3.3	3.4	1.4	-.5	1.7	1.9	2.0
North Carolina.....	94.4	104.5	113.4	19.0	-19.0	1.7	1.9	2.1
North Dakota.....	10.5	12.5	15.1	4.6	-4.6	9	1.0	1.3
Ohio.....	5	7	4	-2	1	6	.8	.5
Oklahoma.....	24.4	31.0	27.6	-6.6	-3.1	9	1.1	1.0
Oregon.....	7.8	8.3	8.9	1.1	-1.1	1.8	1.9	2.1
Pennsylvania.....	8.4	9.3	12.9	4.5	-4.4	1.7	1.9	2.6
Puerto Rico <sup>3</sup> .....	53.3	55.3	58.2	2.9	-4.8	1.6	1.7	1.8
Rhode Island.....	44.9	39.0	52.9	7.0	-8.0	6.4	6.5	6.6
South Carolina.....	6.4	8.9	5.7	-2.5	.7	2.3	3.3	2.1
South Dakota.....	7.6	8.2	11.2	3.6	-3.7	1.3	1.4	2.0
Tennessee.....	5	9	4	-.4	1	.5	1.0	.5
Texas.....	15.6	14.7	19.6	4.0	-4.0	1.8	1.7	2.3
Utah.....	14.0	17.4	17.0	-.4	-3.0	.6	.8	.8
Vermont.....	4.0	4.0	4.5	.5	-.6	1.9	1.9	2.2
Virginia.....	1.1	1.2	1.6	.5	-.5	1.2	1.3	1.7
Washington.....	3.9	5.3	5.2	-.1	-1.3	.4	.6	.6
West Virginia.....	19.7	20.9	21.2	1.5	-1.6	2.5	2.7	2.9
Wisconsin.....	6.7	8.1	8.1	1.4	-1.3	1.9	2.3	2.3
Wyoming.....	11.5	19.7	11.6	-8.2	1	1.1	1.8	1.1
	.4	.4	.4	-.1	--	.6	.7	.6

<sup>1</sup>Based on unrounded data; changes of less than .50 not shown.

<sup>2</sup>Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.

<sup>3</sup>Excludes insured unemployment under extended duration provisions of regular State laws.

E-2: Insured unemployment<sup>1</sup> in 150 major labor areas<sup>2</sup>

(In thousands, for week including the 12th of the month)

State and area	Sept. 1968	Aug. 1968	State and area	Sept. 1968	Aug. 1968	State and area	Sept. 1968	Aug. 1968	State and area	Sept. 1968	Aug. 1968
<b>ALABAMA</b>			<b>INDIANA</b>			<b>NEW HAMPSHIRE</b>			<b>Pennsylvania--</b>		
Birmingham.....	4.1	3.9	Evansville.....	.8	1.0	Manchester.....	5	3	continued		
Mobile.....	1.5	1.8	Ft. Wayne.....	.4	.7				York.....	.8	1.0
			Gary-Hammond..	2.4	2.3						
<b>ARIZONA</b>			Indianapolis....	2.0	2.4	<b>NEW JERSEY</b>			<b>PUERTO RICO*</b>		
Phoenix.....	2.7	3.0	South Bend.....	.7	.8	Atlantic City....	.9	1.0	Mayaguez.....	1.1	1.3
			Terre Haute.....	.5	.6	Jersey City.....	7.3	8.5	Ponce.....	1.7	1.9
						Newark.....	12.6	16.3	San Juan.....	3.5	3.8
						New Brunswick..	4.5	7.8			
<b>ARKANSAS</b>			<b>IOWA</b>			Paterson.....	9.2	11.2			
Little Rock.....	.5	.6	Cedar Rapids....	1	.2	Trenton.....	1.7	2.0			
			Des Moines.....	.4	.4				<b>RHODE ISLAND</b>		
									Providence.....	7.0	10.0
<b>CALIFORNIA</b>			<b>KANSAS</b>			<b>NEW MEXICO</b>					
Anaheim-S. Ana-			Wichita.....	1.2	1.4	Albuquerque....	1.3	1.5			
Garden Grove..	6.9	7.8							<b>SOUTH CAROLINA</b>		
Fresno.....	2.5	3.0	<b>KENTUCKY</b>						Charleston.....	.8	.8
Los Angeles....	61.5	68.5	Louisville.....	1.8	1.1	<b>NEW YORK</b>			Greenville.....	.7	.8
Sacramento.....	4.4	5.3				Albany.....	2.3	2.5			
San Bernardino..	9.0	9.0	<b>LOUISIANA</b>			Binghamton....	.6	.7			
San Diego.....	7.5	7.5	Baton Rouge....	.8	.9	Buffalo.....	7.7	7.2			
San Francisco..	22.1	26.2	New Orleans....	4.4	4.4	New York.....	72.5	79.6			
San Jose.....	4.9	7.7	Shreveport.....	.8	.9	Rochester.....	2.3	2.8			
Stockton.....	1.3	1.8				Syracuse.....	1.7	2.4	<b>TENNESSEE</b>		
						Utica.....	1.5	1.9	Chattanooga....	1.0	1.1
			<b>MAINE</b>						Knoxville.....	1.2	1.3
<b>COLORADO</b>			Portland.....	.3	.4	<b>NORTH CAROLINA</b>			Memphis.....	1.7	2.0
Denver.....	1.4	1.7				Asheville.....	.4	.5	Nashville.....	2.0	1.5
			<b>MARYLAND</b>			Charlotte.....	.6	.8			
			Baltimore.....	8.9	10.6	Durham.....	.3	.5	<b>TEXAS</b>		
						Greensboro-			Austin.....	.2	.2
<b>CONNECTICUT</b>			<b>MASSACHUSETTS</b>			Winston-Salem..	.9	1.1	Beaumont.....	1.4	1.3
Bridgeport.....	3.3	4.8	Boston.....	16.5	17.8				Corpus Christi..	.4	.4
Hartford.....	4.1	4.7	Brockton.....	1.0	1.3	<b>OHIO</b>			Dallas.....	1.4	3.2
New Britain.....	1.0	1.9	Fall River.....	1.7	1.5	Akron.....	1.3	1.5	El Paso.....	.9	1.0
New Haven.....	2.2	4.1	Lawrence.....	2.9	2.7	Canton.....	1.4	1.5	Ft. Worth.....	.6	1.2
Stamford.....	.7	.8	Lowell.....	1.4	1.4	Cincinnati.....	2.7	5.7	Houston.....	1.7	1.8
Waterbury.....	1.9	2.8	New Bedford....	1.6	1.5	Cleveland.....	4.6	4.6	San Antonio....	.9	1.1
			Springfield....	4.0	5.1	Columbus.....	.8	1.0			
<b>DELAWARE</b>			Worcester.....	2.1	2.9	Dayton.....	1.2	1.4	<b>UTAH</b>		
Wilmington.....	1.6	4.4				Hamilton.....	.5	.8	Salt Lake City..	2.1	2.3
			<b>MICHIGAN</b>			Lorain.....	.7	1.0			
<b>DIST. OF COL.</b>			Battle Creek....	.8	1.3	Stuebenville...	.6	.8	<b>VIRGINIA</b>		
Washington.....	5.1	6.0	Detroit.....	20.7	53.9	Toledo.....	1.4	1.9	Hampton.....	.4	.5
			Flint.....	1.4	1.6	Youngstown....	4.1	4.4	Norfolk.....	.7	1.5
<b>FLORIDA</b>			Grand Rapids...	2.0	3.4				Richmond.....	.2	.3
Jacksonville....	.6	.8	Kalamazoo.....	.6	.9	<b>OKLAHOMA</b>			Roanoke.....	1	1
Miami.....	6.2	5.8	Lansing.....	1.0	8.9	Oklahoma City..	1.6	1.8			
Tampa.....	2.9	3.3	Muskegon.....	1.3	1.4	Tulsa.....	1.5	1.4	<b>WASHINGTON</b>		
			Saginaw.....	.7	1.8				Seattle.....	6.7	6.4
						<b>OREGON</b>			Spokane.....	2.2	2.2
<b>GEORGIA</b>			<b>MINNESOTA</b>			Portland.....	4.0	4.3	Tacoma.....	1.9	1.9
Atlanta.....	2.2	6.4	Duluth.....	.6	.7						
Augusta.....	.5	.5	Minneapolis....	2.0	4.4	<b>PENNSYLVANIA</b>			<b>WEST VIRGINIA</b>		
Columbus.....	.5	.6				Allentown.....	2.5	2.1	Charleston.....	.9	1.0
Macon.....	.5	.5	<b>MISSISSIPPI</b>			Altoona.....	.6	.7	Huntington....	1.2	1.2
Savannah.....	.4	.4	Jackson.....	.3	.5	Erie.....	.9	1.0	Wheeling.....	1.2	1.2
						Harrisburg.....	1.3	1.4			
<b>HAWAII</b>			<b>MISSOURI</b>			Johnstown.....	2.8	2.2	<b>WISCONSIN</b>		
Honolulu.....	2.9	2.5	Kansas City....	3.5	8.9	Lancaster.....	.9	.7	Kenosha.....	.8	2.3
			St. Louis.....	9.1	14.5	Philadelphia....	20.7	24.3	Madison.....	.3	.4
						Pittsburgh.....	13.5	11.6	Milwaukee.....	4.6	5.6
<b>ILLINOIS</b>			<b>NEBRASKA</b>			Reading.....	.9	1.2	Racine.....	.9	1.9
Chicago.....	17.8	22.2	Omaha.....	1.4	1.6	Scranton.....	2.3	2.2			
Davenport.....	2.0	2.2				Wilkes-Barre...	3.1	3.4			
Peoria.....	.8	1.0									
Rockford.....	.6	1.0									

<sup>1</sup>Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs.<sup>2</sup>For full name of labor area, see Area Trends in Employment and Unemployment published by the Bureau of Employment Security.

\*Excludes insured unemployed under extended duration provisions of regular State laws.



# QUARTERLY AVERAGE TABLES

## CONTENTS

	Page
1: Employment status of the noninstitutional population by age and sex, seasonally adjusted .....	109
2: Employment status by color, sex, and age, seasonally adjusted .....	110
3: Major unemployment indicators, seasonally adjusted .....	111
4: Unemployed persons by duration of unemployment, seasonally adjusted .....	112
5: Rates of unemployment by age and sex, seasonally adjusted .....	112
6: Employed persons by age and sex, seasonally adjusted .....	113
7: Employed persons by major occupation group, seasonally adjusted .....	113

# HOUSEHOLD DATA SEASONALLY ADJUSTED QUARTERLY AVERAGES

**I: Employment status of the noninstitutional population by age and sex, seasonally adjusted**

Quarterly Averages  
(In thousands)

Employment status, age, and sex	1968				1967				1966				1965
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>Total</b>													
Total labor force .....	82,424	82,194	81,891	81,645	81,088	80,293	80,257	79,798	79,129	78,516	78,116	77,684	77,306
Civilian labor force .....	78,835	78,658	78,418	78,178	77,633	76,843	76,843	76,466	75,948	75,465	75,185	74,886	74,603
Employed .....	75,975	75,838	75,567	75,106	74,593	73,886	73,993	73,640	73,057	72,585	72,308	71,799	71,324
Agriculture .....	3,724	3,908	4,048	3,924	3,833	3,770	3,908	3,887	3,911	4,040	4,123	4,197	4,325
Nonagricultural industries .....	72,251	71,930	71,519	71,181	70,760	70,116	70,085	69,753	69,146	68,545	68,185	67,602	66,999
On part time for economic reasons .....	1,798	1,690	1,685	1,874	1,939	1,830	1,988	1,639	1,667	1,672	1,680	1,824	1,935
Usually work full time .....	990	895	832	1,009	1,055	1,048	1,121	878	890	867	850	835	917
Usually work part time .....	808	796	853	865	883	782	867	760	777	805	830	989	1,017
Unemployed .....	2,861	2,820	2,851	3,072	3,040	2,957	2,850	2,826	2,891	2,880	2,877	3,087	3,279
<b>Men, 20 years and over</b>													
Total labor force .....	48,991	48,744	48,616	48,424	48,278	48,061	47,998	47,670	47,439	47,363	47,275	47,098	47,079
Civilian labor force .....	45,891	45,784	45,824	45,653	45,475	45,169	45,140	44,860	44,752	44,770	44,764	44,688	44,800
Employed .....	44,888	44,786	44,788	44,580	44,412	44,072	44,115	43,784	43,637	43,671	43,596	43,451	43,417
Agriculture .....	2,771	2,859	2,926	2,859	2,805	2,784	2,843	2,833	2,855	2,926	2,968	3,036	3,154
Nonagricultural industries .....	42,116	41,927	41,862	41,721	41,606	41,288	41,272	40,951	40,782	40,745	40,628	40,415	40,263
Unemployed .....	1,003	998	1,035	1,073	1,063	1,097	1,025	1,076	1,115	1,099	1,168	1,237	1,383
<b>Women, 20 years and over</b>													
Civilian labor force .....	26,333	26,138	25,991	26,160	25,673	25,079	25,051	25,005	24,562	24,181	24,013	23,895	23,783
Employed .....	25,317	25,172	24,989	25,040	24,551	24,043	24,014	24,066	23,631	23,254	23,121	22,910	22,754
Agriculture .....	557	620	685	675	610	590	648	654	657	687	738	727	735
Nonagricultural industries .....	24,761	24,552	24,304	24,365	23,941	23,453	23,366	23,412	22,973	22,567	22,383	22,183	22,019
Unemployed .....	1,016	966	1,003	1,120	1,122	1,036	1,037	939	932	927	892	987	1,030
<b>Both sexes, 16-19 years</b>													
Civilian labor force .....	6,611	6,736	6,603	6,365	6,485	6,595	6,653	6,601	6,633	6,514	6,408	6,301	6,020
Employed .....	5,770	5,880	5,790	5,485	5,631	5,771	5,864	5,790	5,789	5,660	5,591	5,438	5,153
Agriculture .....	396	429	437	390	418	396	417	400	399	427	417	435	436
Nonagricultural industries .....	5,374	5,451	5,352	5,095	5,213	5,376	5,447	5,390	5,390	5,233	5,175	5,004	4,717
Unemployed .....	841	856	813	880	855	824	789	811	844	854	816	863	866

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables 1 through 7 will not necessarily add to totals.

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**2: Employment status by color, sex, and age, seasonally adjusted**  
**Quarterly Averages**  
(In thousands)

Characteristics	1968			1967				1966				1965	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>WHITE</b>													
Total:													
Civilian labor force.....	69,996	69,758	69,735	69,455	68,894	68,030	68,351	67,957	67,287	66,966	66,812	66,525	66,217
Employed.....	67,711	67,538	67,488	67,047	66,486	65,723	66,115	65,752	65,051	64,701	64,534	64,059	63,610
Unemployed.....	2,285	2,220	2,248	2,408	2,408	2,306	2,235	2,205	2,236	2,265	2,278	2,466	2,607
Unemployment rate.....	3.3	3.2	3.2	3.5	3.5	3.4	3.3	3.2	3.3	3.4	3.4	3.7	3.9
Males, 20 years and over:													
Civilian labor force.....	41,359	41,176	41,316	41,170	40,956	40,514	40,682	40,380	40,222	40,305	40,335	40,243	40,369
Employed.....	40,527	40,352	40,471	40,287	40,074	39,619	39,856	39,525	39,334	39,420	39,380	39,221	39,254
Unemployed.....	832	824	844	883	882	895	826	855	888	885	955	1,022	1,115
Unemployment rate.....	2.0	2.0	2.0	2.1	2.2	2.2	2.0	2.1	2.2	2.2	2.4	2.5	2.8
Females, 20 years and over:													
Civilian labor force.....	22,833	22,663	22,578	22,698	22,259	21,720	21,716	21,681	21,220	20,885	20,741	20,638	20,500
Employed.....	22,028	21,922	21,799	21,838	21,372	20,921	20,916	20,970	20,519	20,172	20,049	19,877	19,709
Unemployed.....	805	741	799	860	887	799	800	711	701	713	692	761	791
Unemployment rate.....	3.5	3.3	3.5	3.8	4.0	3.7	3.7	3.3	3.3	3.4	3.3	3.7	3.9
Both sexes, 16 to 19 years:													
Civilian labor force.....	5,805	5,919	5,841	5,588	5,680	5,796	5,953	5,896	5,845	5,776	5,736	5,644	5,348
Employed.....	5,156	5,264	5,217	4,922	5,040	5,184	5,343	5,257	5,198	5,109	5,105	4,960	4,647
Unemployed.....	649	655	624	665	640	612	610	639	647	667	631	684	701
Unemployment rate.....	11.2	11.1	10.7	11.9	11.3	10.6	10.2	10.8	11.1	11.5	11.0	12.1	13.1
<b>NONWHITE</b>													
Total:													
Civilian labor force.....	8,699	8,818	8,792	8,728	8,627	8,628	8,618	8,534	8,530	8,443	8,475	8,402	8,337
Employed.....	8,124	8,221	8,191	8,061	7,995	7,980	8,004	7,913	7,883	7,826	7,876	7,776	7,668
Unemployed.....	575	597	601	667	632	649	614	621	647	616	599	625	669
Unemployment rate.....	6.6	6.8	6.8	7.6	7.3	7.5	7.1	7.3	7.6	7.3	7.1	7.4	8.0
Males, 20 years and over:													
Civilian labor force.....	4,513	4,563	4,553	4,494	4,502	4,506	4,507	4,491	4,480	4,428	4,477	4,463	4,425
Employed.....	4,343	4,390	4,360	4,303	4,322	4,304	4,305	4,269	4,259	4,213	4,261	4,248	4,164
Unemployed.....	170	174	193	191	180	202	202	222	221	215	216	215	261
Unemployment rate.....	3.8	3.8	4.2	4.3	4.0	4.5	4.5	4.9	4.9	4.9	4.8	4.8	5.9
Females, 20 years and over:													
Civilian labor force.....	3,407	3,457	3,450	3,446	3,343	3,342	3,374	3,322	3,294	3,297	3,288	3,265	3,250
Employed.....	3,190	3,241	3,226	3,189	3,100	4,113	3,138	3,095	3,058	3,088	3,089	3,041	3,006
Unemployed.....	217	216	224	258	243	229	237	227	236	209	199	224	244
Unemployment rate.....	6.4	6.2	6.5	7.5	7.3	6.9	7.0	6.8	7.2	6.3	6.1	6.9	7.5
Both sexes, 16 to 19 years:													
Civilian labor force.....	778	798	789	788	782	781	737	722	756	717	710	673	662
Employed.....	590	591	604	569	573	563	562	549	566	525	526	487	498
Unemployed.....	188	207	185	218	209	218	175	173	190	192	184	186	164
Unemployment rate.....	24.2	25.9	23.4	27.7	26.7	27.9	23.7	24.0	25.1	26.8	25.9	27.6	24.8

# HOUSEHOLD DATA SEASONALLY ADJUSTED QUARTERLY AVERAGES

## 3: Major unemployment indicators, seasonally adjusted

### Quarterly Averages

(Unemployment rates)

Selected categories	1968			1967			1966			1965			
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
Total (all civilian workers).....	3.6	3.6	3.6	3.9	3.9	3.8	3.7	3.7	3.8	3.8	3.8	4.1	4.4
Men, 20 years and over.....	2.2	2.2	2.3	2.3	2.3	2.4	2.3	2.4	2.5	2.5	2.6	2.8	3.1
Women, 20 years and over.....	3.9	3.7	3.9	4.3	4.4	4.1	4.1	3.8	3.8	3.8	3.7	4.1	4.3
Both sexes, 16-19 years.....	12.7	12.7	12.3	13.8	13.2	12.5	11.9	12.3	12.7	13.1	12.7	13.7	14.4
White workers.....	3.3	3.2	3.2	3.5	3.5	3.4	3.3	3.2	3.3	3.4	3.4	3.7	3.9
Nonwhite workers.....	6.6	6.8	6.8	7.6	7.3	7.5	7.1	7.3	7.6	7.3	7.1	7.4	8.0
Married men.....	1.6	1.6	1.7	1.8	1.8	1.9	1.7	1.8	1.9	1.8	1.9	2.0	2.3
Full-time workers.....	3.3	3.2	3.3	3.6	3.6	3.5	3.2	3.5	3.5	3.5	3.3	3.4	3.4
Unemployed 15 weeks and over.....	.5	.5	.6	.6	.6	.6	.6	.6	.6	.7	.8	.9	1.0
State insured <sup>1</sup> .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Labor force time lost <sup>2</sup> .....	4.1	3.9	4.1	4.3	4.4	4.1	4.1	4.0	4.3	4.4	4.2	4.5	4.9
<b>OCCUPATION</b>													
White-collar workers.....	2.1	1.9	2.0	2.2	2.3	2.0	2.1	2.0	2.1	2.0	2.0	2.2	2.1
Professional and technical.....	1.4	1.2	1.1	1.3	1.4	1.4	1.3	1.3	1.4	1.2	1.3	1.5	1.3
Managers, officials, and proprietors.....	1.1	.9	.9	1.0	.9	.9	.8	.9	1.0	1.1	1.1	1.1	1.1
Clerical workers.....	3.1	2.9	3.1	3.4	3.4	2.7	3.0	3.0	3.0	2.7	2.8	2.9	3.1
Sales workers.....	2.6	2.6	3.0	3.2	3.6	2.9	3.3	2.4	2.7	3.1	2.9	3.4	3.3
Blue-collar workers.....	4.2	3.9	4.3	4.5	4.5	4.6	4.2	4.1	4.3	4.2	4.2	4.6	5.2
Craftsmen and foremen.....	2.4	2.4	2.6	2.5	2.3	2.7	2.4	2.8	2.7	2.6	3.1	2.8	3.7
Operatives.....	4.5	4.3	4.7	5.1	5.2	5.0	4.7	4.2	4.5	4.4	4.3	4.9	5.4
Nonfarm laborers.....	7.7	6.8	7.6	7.9	7.9	7.8	7.1	7.5	7.8	7.5	7.1	7.6	8.3
Service workers.....	4.5	4.7	4.2	5.0	4.5	4.2	4.4	4.6	4.6	4.9	4.5	4.7	5.1
Farm workers.....	2.6	2.4	1.7	2.4	2.6	2.4	2.1	2.0	1.9	2.6	2.2	2.9	2.6
<b>INDUSTRY</b>													
Private wage and salary workers <sup>3</sup> .....	3.7	3.6	3.7	4.0	4.0	3.8	3.8	3.7	3.8	3.8	3.8	4.1	4.4
Construction.....	6.5	6.7	7.9	6.7	6.7	8.1	7.6	8.6	7.9	7.8	7.9	8.1	10.4
Manufacturing.....	3.3	3.2	3.4	3.7	3.9	3.8	3.4	3.0	3.3	3.2	3.3	3.6	3.7
Durable goods.....	3.1	2.8	3.1	3.5	3.7	3.6	3.0	2.6	2.9	2.7	2.9	3.1	3.2
Nondurable goods.....	3.7	3.8	3.9	4.1	4.3	4.1	4.1	3.6	3.8	3.9	3.9	4.2	4.5
Transportation and public utilities.....	2.5	1.6	1.9	2.5	2.5	2.4	2.2	1.9	2.1	2.4	2.2	2.6	2.6
Wholesale and retail trade.....	4.0	3.9	4.1	4.6	4.6	3.8	4.0	4.3	4.5	4.5	4.4	4.5	4.7
Finance and service industries.....	3.5	3.5	3.2	3.7	3.7	3.5	3.6	3.6	3.4	3.5	3.4	3.8	3.9
Government wage and salary workers.....	1.9	1.8	1.8	2.1	1.7	1.9	1.7	1.8	2.1	1.9	1.5	1.9	1.9
Agricultural wage and salary workers.....	8.4	6.5	5.1	6.8	8.2	6.9	5.7	6.2	6.5	6.7	6.8	7.3	7.1

<sup>1</sup>Insured unemployment under State programs as a percent of average covered employment.

<sup>2</sup>Man-hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force man-hours.

<sup>3</sup>Includes mining, not shown separately.

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**4: Unemployed persons by duration of unemployment, seasonally adjusted**  
 Quarterly Averages  
 (In thousands)

Duration of unemployment	1968			1967				1966				1965	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
Less than 5 weeks .....	1,644	1,652	1,590	1,605	1,672	1,678	1,577	1,541	1,606	1,614	1,517	1,500	1,631
5 to 14 weeks .....	815	796	790	1,001	922	884	805	791	818	750	761	912	925
15 weeks and over .....	407	410	464	468	440	436	453	477	462	533	596	657	717
15 to 26 weeks .....	249	261	286	290	259	277	263	267	253	283	319	343	379
27 weeks and over .....	158	149	178	178	181	159	190	210	209	250	277	314	338

**5: Rates of unemployment by age and sex, seasonally adjusted**  
 Quarterly Averages

Age and sex	1968				1967				1966				1965	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	
<b>Total, 16 years and over .....</b>	3.6	3.6	3.6	3.9	3.9	3.8	3.7	3.6	3.8	3.8	3.8	4.1	4.4	
16 to 19 years .....	12.7	12.7	12.3	13.8	13.2	12.5	11.9	12.3	12.7	13.1	12.7	13.7	14.4	
16 and 17 years .....	14.5	14.3	14.9	15.7	15.0	13.9	14.3	13.9	14.7	15.5	15.0	15.9	16.5	
18 and 19 years .....	11.5	11.5	10.7	12.3	12.0	11.6	10.3	10.9	11.4	11.7	11.1	12.1	12.7	
20 to 24 years .....	5.9	5.7	6.0	5.9	6.1	5.4	5.4	5.3	5.1	5.4	5.3	6.0	6.3	
25 years and over .....	2.3	2.2	2.4	2.7	2.6	2.7	2.6	2.6	2.7	2.6	2.7	2.9	3.1	
25 to 54 years .....	2.4	2.3	2.4	2.7	2.7	2.7	2.6	2.6	2.7	2.6	2.7	2.9	3.1	
55 years and over .....	2.1	2.1	2.4	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.8	2.9	3.1	
<b>Males, 16 years and over .....</b>	2.8	2.9	3.0	3.2	3.1	3.2	3.0	3.0	3.2	3.2	3.3	3.5	3.9	
16 to 19 years .....	11.1	11.3	11.8	13.6	12.1	12.3	11.4	11.6	11.5	11.9	11.9	13.2	14.0	
16 and 17 years .....	13.2	14.1	13.5	15.9	14.5	14.5	13.4	13.1	13.4	13.9	14.1	16.1	16.5	
18 and 19 years .....	9.3	9.1	10.2	11.3	10.2	10.9	9.6	10.2	10.1	10.4	10.1	10.7	12.0	
20 to 24 years .....	5.1	5.2	5.2	5.1	4.9	4.6	4.1	4.8	4.2	4.7	4.6	5.4	5.8	
25 years and over .....	1.8	1.8	1.9	2.0	2.0	2.1	2.0	2.1	2.3	2.2	2.4	2.5	2.8	
25 to 54 years .....	1.7	1.7	1.8	1.8	1.9	2.0	1.9	2.0	2.1	2.0	2.2	2.3	2.6	
55 years and over .....	2.1	2.1	2.3	2.6	2.3	2.6	2.4	2.4	2.8	2.7	2.9	3.1	3.4	
<b>Females, 16 years and over .....</b>	5.0	4.8	4.8	5.2	5.4	5.0	5.0	4.6	4.9	5.0	4.8	5.2	5.4	
16 to 19 years .....	14.8	14.5	12.9	14.1	14.5	12.7	12.5	13.1	14.3	14.7	13.9	14.4	14.9	
16 and 17 years .....	16.4	14.6	17.0	15.3	15.7	13.1	15.7	15.1	16.5	17.9	16.5	15.4	16.5	
18 and 19 years .....	13.8	14.1	11.3	13.2	13.9	12.4	11.2	11.9	12.8	13.1	12.4	13.8	13.7	
20 to 24 years .....	6.8	6.3	7.0	6.8	7.6	6.4	7.1	6.1	6.4	6.4	6.2	6.8	6.9	
25 years and over .....	3.3	3.1	3.3	3.8	3.8	3.7	3.6	3.4	3.4	3.3	3.3	3.7	3.9	
25 to 54 years .....	3.6	3.4	3.5	4.3	4.1	4.1	3.9	3.6	3.6	3.7	3.5	4.1	4.3	
55 years and over .....	2.2	2.1	2.5	2.3	2.6	2.3	2.7	2.7	2.3	2.2	2.4	2.5	2.5	

# HOUSEHOLD DATA SEASONALLY ADJUSTED QUARTERLY AVERAGES

## 6: Employed persons by age and sex, seasonally adjusted

Quarterly Averages  
(In thousands)

Age and sex	1968				1967				1966				1965
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>TOTAL</b>													
16 years and over .....	75,975	75,838	75,567	75,106	74,593	73,886	73,993	73,640	73,057	72,585	72,308	71,799	71,324
16 to 19 years .....	5,770	5,880	5,790	5,485	5,631	5,771	5,864	5,790	5,789	5,660	5,591	5,438	5,153
16 and 17 years .....	2,382	2,443	2,418	2,308	2,308	2,311	2,414	2,334	2,277	2,214	2,236	2,201	2,110
18 and 19 years .....	3,360	3,411	3,399	3,175	3,306	3,438	3,484	3,470	3,497	3,424	3,381	3,240	3,042
20 to 24 years .....	8,835	8,665	8,670	8,669	8,588	8,445	8,297	8,088	7,931	7,967	7,877	7,741	7,759
25 years and over .....	61,370	61,290	61,100	60,958	60,375	59,716	59,818	59,761	59,335	58,944	58,856	58,613	58,415
25 to 54 years .....	47,454	47,480	47,506	47,170	46,691	46,215	46,506	46,327	45,924	45,770	45,743	45,542	45,377
55 years and over .....	13,827	13,780	13,679	13,725	13,615	13,419	13,397	13,412	13,340	13,173	13,160	13,067	13,006
<b>MALE</b>													
16 years and over .....	48,152	48,070	47,968	47,657	47,590	47,274	47,398	47,018	46,920	46,913	46,819	46,569	46,408
16 to 19 years .....	3,264	3,284	3,180	3,076	3,178	3,202	3,283	3,235	3,283	3,242	3,223	3,119	2,991
16 and 17 years .....	1,441	1,456	1,471	1,428	1,413	1,371	1,468	1,421	1,383	1,370	1,381	1,352	1,308
18 and 19 years .....	1,810	1,809	1,740	1,659	1,756	1,814	1,846	1,826	1,886	1,857	1,866	1,776	1,680
20 to 24 years .....	4,825	4,764	4,826	4,824	4,870	4,789	4,748	4,616	4,582	4,595	4,606	4,547	4,593
25 years and over .....	40,073	40,018	39,965	39,764	39,547	39,329	39,366	39,172	39,055	39,063	39,002	38,899	38,826
25 to 54 years .....	31,029	31,010	31,079	30,833	30,661	30,468	30,650	30,408	30,309	30,384	30,401	30,330	30,252
55 years and over .....	9,028	8,977	8,918	8,923	8,874	8,779	8,748	8,757	8,728	8,670	8,617	8,568	8,570
<b>FEMALE</b>													
16 years and over .....	27,823	27,767	27,598	27,449	27,003	26,612	26,595	26,622	26,136	25,672	25,489	25,230	24,916
16 to 19 years .....	2,506	2,595	2,610	2,409	2,452	2,569	2,581	2,556	2,506	2,418	2,368	2,320	2,163
16 and 17 years .....	941	987	947	890	895	940	946	913	894	844	855	849	802
18 and 19 years .....	1,550	1,602	1,659	1,516	1,549	1,624	1,637	1,644	1,611	1,567	1,515	1,464	1,362
20 to 24 years .....	4,010	3,901	3,844	3,845	3,718	3,656	3,550	3,472	3,349	3,372	3,271	3,194	3,166
25 years and over .....	21,298	21,272	21,135	21,193	20,828	20,386	20,452	20,589	20,280	19,881	19,854	19,714	19,589
25 to 54 years .....	16,425	16,470	16,427	16,337	16,030	15,747	15,856	15,919	15,615	15,386	15,342	15,212	15,125
55 years and over .....	4,799	4,803	4,761	4,829	4,741	4,640	4,649	4,655	4,612	4,503	4,543	4,499	4,436

## 7: Employed persons by major occupation group, seasonally adjusted

Quarterly Averages  
(In thousands)

Occupation group	1968				1967				1966				1965
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>White-collar workers</b> .....	35,780	35,438	35,049	34,921	34,484	33,961	33,568	33,715	33,426	32,805	32,340	32,104	32,008
Professional and technical .....	10,404	10,340	10,116	10,050	9,956	9,803	9,709	9,586	9,452	9,244	8,961	8,908	8,990
Managers, officials, and proprietors .....	7,882	7,643	7,691	7,628	7,666	7,435	7,249	7,429	7,527	7,374	7,291	7,157	7,354
Clerical workers .....	12,794	12,808	12,668	12,675	12,323	12,242	12,099	12,195	11,938	11,638	11,479	11,453	11,168
Sales workers .....	4,700	4,647	4,574	4,567	4,540	4,481	4,511	4,504	4,508	4,549	4,609	4,586	4,495
<b>Blue-collar workers</b> .....	27,502	27,460	27,389	27,244	27,354	27,146	27,293	26,935	26,946	26,966	26,958	26,637	26,272
Craftsmen and foremen .....	9,931	9,973	10,013	9,828	9,755	9,834	9,973	9,700	9,656	9,553	9,422	9,418	9,300
Operatives .....	13,938	13,932	13,934	13,886	14,026	13,773	13,846	13,804	13,733	13,903	13,893	13,516	13,336
Nonfarm laborers .....	3,633	3,554	3,443	3,530	3,573	3,539	3,474	3,491	3,557	3,510	3,643	3,703	3,635
<b>Service workers</b> .....	9,349	9,362	9,315	9,362	9,246	9,260	9,437	9,426	9,209	9,041	9,174	9,157	9,049
Farmers and farm laborers .....	3,380	3,554	3,715	3,617	3,539	3,486	3,636	3,584	3,576	3,756	3,804	3,888	4,003

# Technical Note

Additional information concerning the preparation of the labor force, employment, hours and earnings, and labor turnover series--concepts and scope, survey methods, and limitations--is contained in technical notes for each of these series, available from the Bureau of Labor Statistics free of charge.

## INTRODUCTION

The statistics in this periodical are compiled from three major sources: (1) household interviews, (2) payroll reports from employers, and (3) administrative statistics of unemployment insurance systems.

*Data based on household interviews* are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, color, marital status, occupations, hours of work, and duration of unemployment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 50,000 households, representing 449 areas in 863 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

*Data based on establishment payroll records* are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The payroll survey provides detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The figures are based on payroll reports from a sample of establishments employing about 25 million nonagriculture wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month.

*Data based on administrative records of unemployment insurance systems* furnish a complete count of insured unemployment among the two-thirds of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-servicemen, and railroad workers. These statistics are published by the Bureau of Employment Security, U.S. Department of Labor, in "Unemployment Insurance Claims."

## Relation between the household and payroll series

The household and payroll data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows:

### Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and non-agricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

*Multiple jobholding.* The household approach provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

*Unpaid absences from jobs.* The household survey includes among the employed all persons who had jobs but were not at work during the survey week--that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In

the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

#### Hours of Work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

#### Comparability of the household interview data with other series

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Bureau of Employment Security of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self employment, unpaid family work, nonprofit organizations, and firms below a minimum size).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage

are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they worked on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

#### Comparability of the payroll employment data with other series

*Statistics on manufactures and business, Bureau of the Census.* BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes contract construction, professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

*County Business Patterns.* Data in County Business Patterns, published jointly by the U.S. Departments of Commerce and Health, Education, and Welfare, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Not all nonagricultural wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in 31 States. In general, these are establishments with less than four employees.

## Labor Force Data

### COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in "*Concepts and Methods Used in Manpower Statistics from the Current Population Survey*" (BLS Re-

port. 313). This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 16 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week,



Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 50,000 occupied units are designated for interview. About 2,250 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4.5 percent. In addition to the 50,000 occupied units, there are 8,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

## CONCEPTS

*Employed persons* comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but who were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

*The civilian labor force* comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

*The unemployment rate* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, color, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

*Not in labor force* includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. The detailed questions for persons not in the labor force are asked only in those households that are new entrants to the sample and in those that are reentering the sample after 8 months' absence.

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Per-

sons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their latest full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1960 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Veterans Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Persons who worked 35 hours or more in the survey week are designated as working "full time"; persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for non-economic reasons but usually work full time.

*Full- and part-time labor force.* The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (because full-time work is not available), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified ac-

ording to whether they usually work full or part time.

*Labor force time lost* is a measure of man-hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available man-hours. It is computed by assuming: (1) that unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

## ESTIMATING METHODS

Under the estimation methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability for other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups--color (white and non-white) within the three residence categories (urban, rural nonfarm, and rural farm). The proportion of sample households not interviewed varies from 4 to 6 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, color, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* This is a procedure in which the sample proportions are weighted by the known 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample proportions are weighted by independent current estimates of the population by age, sex, and color. These estimates are prepared by carrying forward the most recent census data (1960) to take account of subsequent aging of the population, mortality, and migra-

tion between the United States and other countries.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

#### Rounding of Estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

#### Reliability of the Estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should

Table A. Average standard error of major employment status categories

Employment status and sex	Average standard error of--	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force and total employment.....	190	145
Agriculture.....	120	100
Nonagricultural employment	200	150
Unemployment.....	75	80
MALE		
Labor force and total employment.....	100	75
Agriculture.....	95	80
Nonagricultural employment	120	95
Unemployment.....	60	60
FEMALE		
Labor force and total employment.....	150	115
Agriculture.....	50	40
Nonagricultural employment	150	115
Unemployment.....	50	55

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Male		Female	
	Total or white	Non-white	Total or white	Non-white	Total or white	Non-white
10.....	4	4	6	4	6	4
50.....	9	9	11	9	11	9
100.....	12	12	16	12	16	12
250.....	20	17	25	17	25	17
500.....	30	25	34	25	34	25
1,000....	40	35	50	35	50	35
2,500....	60	40	75	40	75	40
5,000....	85	45	90	...	90	...
10,000...	115	...	115	...	115	...
20,000...	150	...	125	...	125	...
30,000...	170	...	...	...	...	...
40,000...	180	...	...	...	...	...

be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

*Illustration:* Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

Table C. Standard error of estimates of month-to-month change  
(In thousands)

Standard error of monthly level	Standard error of month-to-month change
10.....	12
25.....	28
50.....	55
100.....	100
150.....	140
200.....	155
250.....	160
300.....	190

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentage

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
150 . . .	.8	1.2	1.8	2.5	2.9	3.3	3.4	3.9	4.0
250 . . .	.7	.8	1.4	1.9	2.3	2.5	2.8	3.0	3.2
500 . . .	.5	.7	1.0	1.4	1.6	1.8	1.9	2.1	2.3
1,000 . .	.3	.4	.7	1.0	1.2	1.4	1.4	1.6	1.6
2,000 . .	.3	.3	.5	.7	.7	.8	1.0	1.1	1.2
3,000 . .	.2	.3	.4	.7	.7	.7	.8	.8	1.0
5,000 . .	.2	.2	.3	.4	.5	.7	.7	.7	.7
10,000 .	.1	.2	.3	.3	.3	.4	.4	.5	.5
25,000 .	.1	.1	.2	.2	.3	.3	.3	.3	.3
50,000 .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 .	.1	.1	.1	.1	.2	.2	.2	.2	.2

## Establishment Data

### COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonagricultural establishments, by industry and geographic location.

#### Federal-State Cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare

State and area series and then send the establishment data to the BLS for use in preparing the national series.

#### Shuttle Schedules

Two types of data collection schedules are used: Form BLS 790--Monthly Report on Employment, Payroll, and Hours; and Form DL 1219--Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collecting agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of non-

agricultural establishments and, for most industries, payroll and man-hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. The labor turnover schedule provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

## CONCEPTS

### Industrial Classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1957, as amended by the 1963 Supplement.

### Industry Employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer, or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period, or who are hired but have not reported to work during the period.

### Industry Hours and Earnings

Hours and earnings data are derived from reports of payrolls and man-hours for production and related workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in the remaining nonagriculture components. For Federal

Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

*Production and related workers* include working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

*Construction workers* include the following employees in the contract construction division: working foremen, journeymen, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

*Nonsupervisory employees* include employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

*Payroll* covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

*Man-hours* cover man-hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. The man-hours include hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours* cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime

premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

#### Gross Average Hourly and Weekly Earnings

Average hourly earnings are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amounts stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker, construction worker, or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

#### Average Weekly Hours

The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

#### Average Overtime Hours

The overtime hours represent that portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change

in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

#### Hours and Earnings For Total Private Nonagricultural Industries

This series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as *Employment and Wages* (Bureau of Employment Security), *County Business Patterns* (Bureau of the Census), and additional supporting information such as *The Hospital Guide*, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*.

#### Railroad Hours and Earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

#### Spendable Average Weekly Earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from gross weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status; as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or non-supervisory workers in the industry division excluding other income and income earned by other family members.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. The level of earnings is thus adjusted for changes in purchasing power since the base period (1957-59).

## Average Hourly Earnings Excluding Overtime

Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at  $1\frac{1}{2}$  times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

## Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

## Labor Turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

*Accessions* are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

*New hires* are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

*Other accessions*, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from another establishment of the company.

*Separations* are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, are defined as follows:

*Quits* are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

*Layoffs* are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

*Other separations*, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

## Relationship to Employment Series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

## ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

### The "Link Relative" Technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives. In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in the table, Summary of Methods for Computing Industry Statistics on Employment, Hours, Earnings, and Labor Turnover. Further details are given in the technical notes on *Measurement of Employment, Hours, and Earnings in Non-agricultural Industries* and on *Measurement of Labor Turnover*, which are available upon request.

### Size and Regional Stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified produc-

tion- or nonsupervisory-worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

#### Benchmark Adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1967 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations, covering three-fourths of the total nonagricultural employment in the United States, are prepared under the direction of the Bureau of Employment Security. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made in the last 3 benchmark years follows:

Nonagricultural payroll employment estimates, by industry division, as a percentage of the benchmark for 1965-67

Industry division	1965	1966	1967
Total . . . . .	99.5	99.9	100.0
Mining . . . . .	99.5	100.5	99.5
Contract construction . . . . .	100.9	99.7	101.6
Manufacturing . . . . .	99.8	99.4	99.5
Transportation and public utilities . . . . .	100.1	99.7	99.8
Wholesale and retail trade . . . . .	98.4	100.1	100.7
Finance, insurance, and real estate . . . . .	100.7	99.5	100.2
Services . . . . .	97.9	100.3	99.8
Government . . . . .	99.8	100.0	100.0

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics.

#### THE SAMPLE

##### Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each non-certainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the samples for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the larger establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the smaller ones. Many industries in the trade and service divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on pro-



ducing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

#### Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. The table that follows shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Approximate size and coverage of BLS employment and payrolls sample, March 1967<sup>1</sup>

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Mining . . . . .	2,300	294,000	48
Contract construction . . . .	15,400	674,000	23
Manufacturing . . . . .	44,200	12,285,000	63
Transportation and public utilities:			
Railroad transportation (ICC) . . . . .	100	661,000	95
Other transportation and public utilities . . . . .	7,000	1,943,000	55
Wholesale and retail trade . . . .	39,300	2,585,000	20
Finance, insurance and real estate . . . . .	9,100	1,129,000	36
Services . . . . .	20,800	2,064,000	21
Government:			
Federal (Civil Service Commission) <sup>2</sup> . . . . .	3,100	2,669,000	100
State and local . . . . .	9,000	4,749,000	53

<sup>1</sup> Since a few establishments do not report payroll and man-hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> State and area estimates of Federal employment are based on reports from a sample of Federal establishments, collected through the BLS-State cooperative program.

The table below shows the approximate coverage, in terms of employment, of the labor turnover sample.

Approximate size and coverage of BLS labor turnover sample, March 1967

Industry	Employees	
	Number reported	Percent of total
Manufacturing . . . . .	11,497,100	59
Metal mining . . . . .	60,400	70
Coal mining . . . . .	64,400	46
Communication:		
Telephone . . . . .	639,000	80
Telegraph . . . . .	23,100	70

#### Reliability of the Employment Estimates

The estimates derived from the establishment survey may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures. The relatively large size of the BLS establishment sample assures a high degree of accuracy. However, since the link relative technique requires the use of the previous month's estimate as the base in computing the current month's estimate, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to the sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences, generally minor, arises from improvements in the quality of the benchmark data. (A detailed description of the March 1967 benchmark is available from the Bureau upon request.)

One measure of the reliability of ratio estimates is the root mean square error (RMSE). This measure is the standard deviation adjusted for the bias in ratio estimates ( $RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$ ). If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root mean square error. The chances are about 19 out of 20 that the difference would be less than twice the root mean square error.

Approximations of the root mean square errors (based on the experience of the last several years) of differences between final estimates and benchmarks are presented in the following table.

**Root-mean-square errors of differences  
between benchmarks and estimates**

Size of employment estimate	Root-mean-square error <sup>1</sup>
50,000	2,200
100,000	2,400
200,000	4,300
500,000	7,000
1,000,000	11,800
2,000,000	19,600

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

For the most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. The table below presents root-mean-square-errors of the amounts of

**Errors of preliminary employment estimates**

Size of empl. estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	500
100,000	1,100	1,000
200,000	1,800	1,500
500,000	2,500	2,400
1,000,000	3,700	3,500
2,000,000	7,000	7,000
10,000,000	24,900	23,500
Total Nonag. empl.	78,000	68,000

revision that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than .1 of an hour for weekly hours or 1 cent for hourly earnings.

**STATISTICS FOR STATES AND AREAS**

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings and Monthly Report on the Labor Force* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

**UNEMPLOYMENT INSURANCE DATA**

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self-employment, unpaid family work, nonprofit organizations, and firms below a minimum size). The rate of insured unemployment is the number of insured unemployed expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial

claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continues to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Bureau of Employment Security, Washington, D.C.

## SEASONAL ADJUSTMENT

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern--that is, changes in a seasonally adjusted series--it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but, in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings and Monthly Report on the Labor Force*.

The seasonal adjustment method used for these series is an adaptation of the standard ratio-to-moving average method, with a provision for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the booklet, *The BLS Seasonal Factor Method* (1966), which may be obtained from the Bureau on request.

For establishment data, the seasonally adjusted series on weekly hours and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Indexes of aggregate weekly man-hours, seasonally adjusted, for mining, contract construction, and the major industries in manufacturing are obtained by multiplying average weekly hours, seasonally adjusted, by production workers, seasonally adjusted, and dividing by the 1957-59 base. For total, manufacturing, and durable and nondurable goods, the indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries and dividing by the 1957-59 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Post Office Department in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Post Office Department. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based. Factors currently in use for the establishment data are shown in the June 1968 *Employment and Earnings and Monthly Report on the Labor Force*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

For each of the three major labor force components--agricultural and nonagricultural employment and unemployment--data for four age-sex groups (male and female workers under age 20 and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are aggregated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1967 are published in the February 1968 *Employment and Earnings and Monthly Report on the Labor Force*. Revisions will be made annually as each additional year's data become available.

## ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours and earnings series because employment levels are used as weights. Industry data for all national series shown in this report have been adjusted to March 1967 benchmarks. Data from April 1967 forward are subject to revision at the time of the next benchmark.

Beginning with the June 1968 and subsequent issues of Employment and Earnings and Monthly Report on the Labor Force, the national data in sections B, C, and D supersede those published in previous issues, as well as those appearing in the Handbook of Labor Statistics, 1968. Comparable data are published in Employment and Earnings Statistics for the United States, 1909-68, BLS Bulletin 1312-6.

**Summary of Methods for Computing Industry Statistics  
on Employment, Hours, Earnings, and Labor Turnover**

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly Data</b>		
All employees . . . . .	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers; women employees . . . . .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours . . . . .	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . . . .	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings . . . . .	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component cells.
Gross average weekly earnings . . . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates (total, men, and women) . . . . .	The number of particular actions (e.g., quits) in reporting firms divided by total employment in those firms. The result is multiplied by 100. For men (or women), the number of men (women) who quit is divided by the total number of men (women) employed.	Average, weighted by employment, of the rates for component cells.
<b>Annual Average Data</b>		
All employees and production or non-supervisory workers . . . . .	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours . . . . .	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for <u>production</u> or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . . . .	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings . . . . .	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings . . . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates . . . . .	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

**Articles Published in Employment and Earnings and Monthly Report on the Labor Force  
January 1966 to present**

NOTE: This is a cumulative listing of articles that were published since January 1966. In addition each issue contains timely analyses of current employment and unemployment developments.

	Title	Author	Issue
Surveys of Recent Developments	The Unemployed in a Tightening Labor Market	Susan Holland	Vol. 12, No. 9 - Mar. 1966
	Recent Labor Force Developments Contrasted With the Early 1950's	James Wetzel Paul Ryscavage	Vol. 12, No. 11 - May 1966
	The Employment Situation in 1966	Paul Ryscavage	Vol. 13, No. 7 - Jan. 1967
	Employment and Unemployment in 1967	Paul Ryscavage Hazel Willacy	Vol. 14, No. 7 - Jan. 1968
	Recent Developments in Manufacturing	Paul Ryscavage Hazel Willacy	Vol. 14, No. 9 - Mar. 1968
Special Studies	<u>Hours and Earnings</u>		
	The Spendable Earnings of Factory Workers	James Wetzel	Vol. 12, No. 8 - Feb. 1966
	Hours and Earnings Trends in Private Industry, 1947-1966	Carol Utter	Vol. 14, No. 6 - Dec. 1967
	<u>Teenagers</u>		
	The Teenage Labor Force in Early 1966	Tom Swanstrom	Vol. 12, No. 9 - Mar. 1966
	The Outlook for Youth Employment: Summer 1967		Vol. 13, No. 12 - June 1967
	Summer Employment of Youth	John Hambleton	Vol. 15, No. 2 - Aug. 1968
	<u>Miscellaneous</u>		
	Trends in Full - and Part-time Employment	Susan Holland	Vol. 12, No. 12 - June 1966
	The Unemployed: Why They Started Looking for Work	Kathryn Hoyle	Vol. 13, No. 1 - July 1966
	Household Characteristics of the Unemployed		Vol. 14, No. 3 - Sept. 1967
	Unemployment in 15 Metropolitan Areas	Paul Flaim	Vol. 14, No. 7 - Jan. 1968
	<u>Industry</u>		
	Employment and Unemployment in the Construction Industry	James Wetzel Lyle Ryter	Vol. 13, No. 4 - Oct. 1966
	<u>Women</u>		
	Women on Nonagricultural Payrolls	Carol Utter	Vol. 13, No. 5 - Nov. 1966
	<u>Nonwhites</u>		
The Employment Situation for Negroes	Susan Holland	Vol. 14, No. 3 - Sept. 1967	
Technical Articles	Industry Employment Statistics in the United States -- Fifty Years of Development	John Wymer	Vol. 12, No. 7 - Jan. 1966
	New Definitions for Employment and Unemployment	Robert Stein	Vol. 13, No. 8 - Feb. 1967
	Hours and Earnings for Workers in Private Nonagricultural Industries	Arthur Spinks	Vol. 13, No. 11 - May 1967
	BLS Establishment Employment Estimates Revised to March 1967 Benchmark Levels	Carol Utter	Vol. 14, No. 12 - June 1968
	Technical Note on Area Data from The Current Population Survey		Vol. 14, No. 7 - Jan. 1968
	The Method of Seasonal Adjustment for Labor Force Series		Vol. 14, No. 8 - Feb. 1968
	BLS Earnings Statistics for Use in Escalation Agreements	Darrell Nelson	Vol. 14, No. 9 - Mar. 1968

U. S. GOVERNMENT PRINTING OFFICE : 1968 O - 322-508

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
Single copies are 65 cents. Subscription Price: \$7.50 per year; \$2 additional for foreign mailing.

# UNITED STATES DEPARTMENT OF LABOR

## Bureau of Labor Statistics

### Regional Offices

<p>REGION I - BOSTON BLS Regional Director John Fitzgerald Kennedy Federal Bldg. Government Center - Room 1603 A Boston, Mass. 02203</p>	<p>REGION II - NEW YORK BLS Regional Director 341 Ninth Avenue New York, N. Y. 10001</p>	<p>REGION III - PHILADELPHIA BLS Regional Director P. O. Box 1784 William Penn Annex Philadelphia, Pa. 19105</p>	<p>REGION IV - ATLANTA BLS Regional Director 1371 Peachtree Street, N. E. Atlanta, Ga. 30309</p>
<p>REGION V - CHICAGO BLS Regional Director 219 South Dearborn Street Chicago, Ill. 60604</p>	<p>REGION VI - KANSAS CITY BLS Regional Director 911 Walnut Street Kansas City, Mo. 64106</p>	<p>REGION VII - DALLAS BLS Regional Director 411 North Akard Street Dallas, Tex. 75201</p>	<p>REGION VIII - SAN FRANCISCO BLS Regional Director 450 Golden Gate Avenue, Box 36017 San Francisco, Calif. 94102</p>

### COOPERATING STATE AGENCIES

#### *Employment and Labor Turnover Statistics Programs*

BLS Region	
IV	ALABAMA - Department of Industrial Relations, Montgomery 36104
VII	ALASKA - Employment Security Division, Department of Labor, Juneau 99801
VIII	ARIZONA - Unemployment Compensation Division, Employment Security Commission, Phoenix 85005
VII	ARKANSAS - Employment Security Commission, Department of Labor, Little Rock 72203
VIII	CALIFORNIA - Division of Labor Statistics and Research, Department of Industrial Relations, San Francisco 94101 (Employment). Research and Statistics, Department of Employment, Sacramento 95814 (Turnover).
VI	COLORADO - Department of Employment, Denver 80203
I	CONNECTICUT - Employment Security Division, Department of Labor, Hartford 06115
III	DELAWARE - Employment Security Commission, Wilmington 19801
III	DIST. OF COL. - U. S. Employment Service for D. C., Washington 20212
IV	FLORIDA - Industrial Commission, Tallahassee 32304
IV	GEORGIA - Employment Security Agency, Department of Labor, Atlanta 30303
VIII	HAWAII - Department of Labor and Industrial Relations, Honolulu 96811
VIII	IDAHO - Department of Employment, Boise 83707
V	ILLINOIS - Division of Research and Statistics, Department of Labor, Chicago 60606
V	INDIANA - Employment Security Division, Indianapolis 46204
VI	IOWA - Employment Security Commission, Des Moines 50319
VI	KANSAS - Employment Security Division, Department of Labor, Topeka 66603
V	KENTUCKY - Bureau of Employment Security, Department of Economic Security, Frankfort 40601
VII	LOUISIANA - Division of Employment Security, Department of Labor, Baton Rouge 70804
I	MAINE - Employment Security Commission, Augusta 04330
III	MARYLAND - Department of Employment Security, Baltimore 21201
I	MASSACHUSETTS - Division of Statistics, Department of Labor and Industries, Boston 02202 (Employment). Division of Employment Security, Boston 02215 (Turnover).
V	MICHIGAN - Employment Security Commission, Detroit 48202
V	MINNESOTA - Department of Employment Security, St. Paul 55101
IV	MISSISSIPPI - Employment Security Commission, Jackson 39205
VI	MISSOURI - Division of Employment Security, Jefferson City 65102
VI	MONTANA - Unemployment Compensation Commission, Helena 59601
VI	NEBRASKA - Division of Employment, Department of Labor, Lincoln 68501
VII	NEVADA - Employment Security Department, Carson City 89701
I	NEW HAMPSHIRE - Department of Employment Security, Concord 03301
II	NEW JERSEY - Department of Labor and Industry: Bureau of Statistics and Records (Employment); Division of Employment Security (Turnover), Trenton 08625
VII	NEW MEXICO - Employment Security Commission, Albuquerque 87103
II	NEW YORK - Research and Statistics Office, Division of Employment, N. Y. State Department of Labor, State Campus Building 12, Albany 12201
III	NORTH CAROLINA - Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
VI	NORTH DAKOTA - Unemployment Compensation Division, Workmen's Compensation Bureau, Bismarck 58502
V	OHIO - Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43211
VII	OKLAHOMA - Employment Security Commission, Oklahoma City 73105
VIII	OREGON - Department of Employment, Salem 97310
III	PENNSYLVANIA - Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121
I	RHODE ISLAND - Division of Statistics and Census, Department of Labor, Providence 02908 (Employment). Department of Employment Security, Providence 02903 (Turnover).
IV	SOUTH CAROLINA - Employment Security Commission, Columbia 29202
VI	SOUTH DAKOTA - Employment Security Department, Aberdeen 57401
IV	TENNESSEE - Department of Employment Security, Nashville 37219
VII	TEXAS - Employment Commission, Austin 78701
VI	UTAH - Department of Employment Security, Salt Lake City 84111
I	VERMONT - Department of Employment Security, Montpelier 05602
III	VIRGINIA - Division of Research and Statistics, Department of Labor and Industry, Richmond 23214 (Employment). Employment Commission, Richmond 23211 (Turnover).
VIII	WASHINGTON - Employment Security Department, Olympia 98501
III	WEST VIRGINIA - Department of Employment Security, Charleston 25305
V	WISCONSIN - Unemployment Compensation Department, Madison 53701
VI	WYOMING - Employment Security Commission, Casper 82601