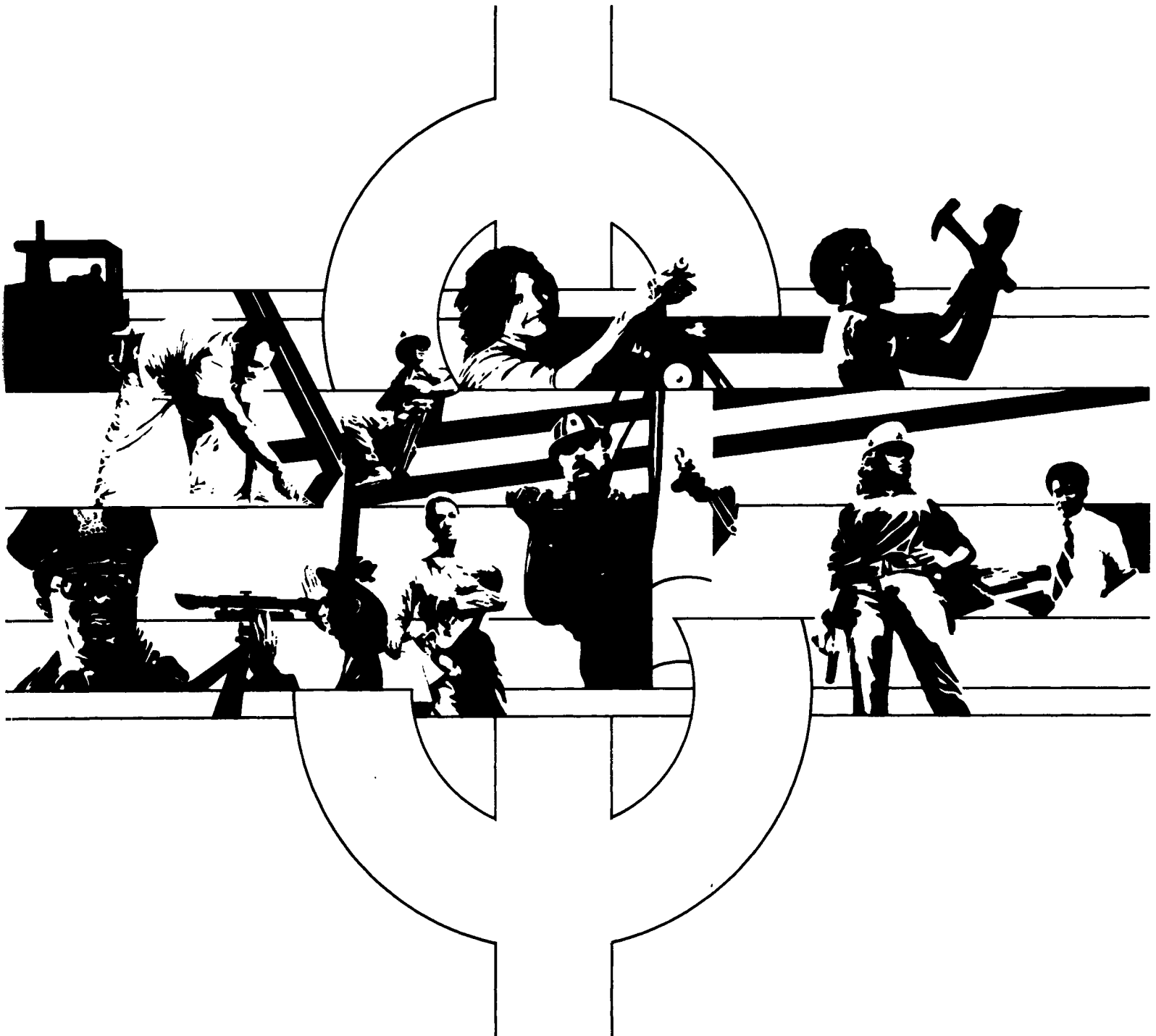


Employment and Earnings

July 1982



U.S. Department of Labor
Bureau of Labor Statistics





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Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings* special features appear in most of the issues as shown below:

Household data

Annual averages	Jan.
Revised seasonally adjusted series	Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, poverty-nonpoverty area data, family relationship data, weekly earnings data	Jan., Apr., July, Oct.

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Women employment detail (final)	Mar.
National data adjusted to new benchmarks	June ¹
Revised historical national data adjusted to new benchmarks	Supplement ²
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State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	June
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¹ The issue that introduces new benchmark varies. The June 1982 issue introduced March 1981 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in June 1982.

³ Issue varies. Latest revised data introduced June 1982.

Employment and Earnings

Vol. 29 No. 7 July 1982

Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

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Employment and Unemployment Developments, June 1982

The Nation's unemployment rate held steady in June, and employment declined after seasonal adjustment. The jobless rate was 9.5 percent in June, the same as in May and little different from April's 9.4 percent rate.

Total employment—as derived from the monthly survey of households—declined by 350,000 over the month to 99.8 million; this followed an increase of 780,000 in May. Nonfarm payroll employment—as derived from the monthly survey of establishments—fell by 140,000 in June to 90.0 million. Since last July's pre-recession peak, employment in the household and establishment series have declined by 1.1 and 1.4 million, respectively.

Unemployment

Unemployment always rises markedly in June with the summer entrance of school-age youth into the labor market. This June, the jobless total increased by over 900,000 persons, which was about in line with seasonal expectations. After adjustment for seasonality, the number of unemployed workers was 10.4 million in June, approximating the May level. Despite this stability in total unemployment, the number of job losers—persons on layoff and those permanently separated from their jobs—rose in June; job losers accounted for three-fifths of the June unemployed total. (See tables A-33 and A-39.)

The Nation's unemployment rate of 9.5 percent in June was about unchanged from the rates of the prior 2 months but was substantially above the levels which prevailed a year ago. Although the overall jobless rate was unchanged, there were contrasting movements among some worker groups. The rate for adult men rose 0.3 percentage point to a new high of 8.7 percent, while the rates for adult women (8.1 percent) and teenagers (22.3 percent) edged down over the month. The increase among adult men was also reflected in higher unemployment rates for married men, full-time workers, and workers in manufacturing industries. Rates for white, black, and Hispanic workers were little different from those of the prior month; however, the rate for black teenagers was at a high of 52.6 percent. (See tables A-33, A-35, and A-36.)

Long-term unemployment (joblessness of 15 weeks or more) increased substantially in June. The average (mean) duration of unemployment rose almost 2 full

weeks to 16.5 weeks, and the median duration increased by nearly a week. (See table A-37.)

The number of persons involuntarily working less than full time on nonfarm jobs declined by 320,000 in June to 5.4 million; the size of this group had been increasing sharply since the recession began last summer. (See table A-42.)

The labor force and total employment

Typically, the civilian labor force swells in June with the summertime entrance of students. This June, the increase of nearly 1.7 million was somewhat less than seasonally expected, and, after seasonal adjustment, the labor force decreased by 475,000. This followed an increase of 1.0 million persons in the previous month, as some of the summer job market expansion took place earlier than usual, and the May increase and the June decrease may have been overstated. (See table A-33.)

Over the past year, the labor force has risen by 1.7 million. Adult women accounted for 1.3 million of this increase, and the number of adult men rose by nearly 900,000. In part because of declines in their population and labor force participation, the teenage labor force was down by 500,000 over the year.

Employment fell by 350,000 in June to 99.8 million, seasonally adjusted. This decline partially offset the unusually large job gain which had occurred in the previous month. The proportion of the population that is employed was 57.2 percent in June, about the same as in April.

Discouraged workers

The number of discouraged workers rose by 160,000 in the second quarter to a high of 1.5 million, continuing an upward trend that began prior to the 1980 recession. Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they cannot find any. As has been typically the case, women and blacks accounted for disproportionately large shares of the discouraged total. (See table A-53.)

Industry payroll employment

Total nonagricultural payroll employment rose less than seasonally in June and, after adjustment for seasonality, declined by 140,000 to 90.0 million. The

number of nonfarm jobs had been unchanged in May but otherwise has dropped steadily since last July. June employment declines were widespread, as employment gains occurred in only one-third of the 186 industries comprising the BLS diffusion index of private nonagricultural payroll employment. (See tables B-4 and B-7.)

The largest over-the-month decline occurred in manufacturing, where employment fell by 140,000. In the durable goods sector, almost half of the 80,000 decrease was in machinery. Job losses in that industry have totaled 200,000 since last September. Employment in fabricated metal products and primary metal industries also continued to decline. Among the non-durable goods industries, the largest job cutback took place in textiles, continuing its long-term downtrend; there was also a sizeable over-the-month decline in food processing. Elsewhere in the goods-producing sector, construction employment fell by 40,000, in part the result of a strike; mining was down by 25,000, the result of further reductions in oil and gas extraction.

In the service-producing sector, State and local government employment rose by 85,000, seasonally adjusted, as an early survey reference week served to limit the extent of summer reductions in local education employment. Transportation and public utilities fell by 25,000, centered in the airline industry. Employment in trade; services; and finance, insurance, and real estate were all about unchanged in June; trade had risen sharply in May, while services and finance have shown little growth in recent months.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls

edged down 0.1 hour in June to 34.8 hours, seasonally adjusted. The manufacturing workweek was unchanged at 39.1 hours, while factory overtime edged up to 2.4 hours. (See table C-6.) The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls declined by 0.6 percent to 105.0 (1977 = 100). The manufacturing index fell by 0.4 percent to 88.8 and was about 11 percent below last July's index. (See table C-7.)

Hourly and weekly earnings

Although average hourly earnings edged up by 0.1 percent in June, the small decline in the workweek caused weekly earnings to fall 0.2 percent, seasonally adjusted. Before adjustment for seasonality, average hourly earnings were down one cent over the month to \$7.62, 42 cents above a year earlier. Weekly earnings were up \$1.18 in June and \$11.82 over the past year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 147.9 (1977 = 100) in June, seasonally adjusted, 0.2 percent higher than in May. For the 12 months ended in June, the increase (before seasonal adjustment) was 6.9 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.8 percent during the 12-month period ended in May. (See table C-8.)

New Seasonal Adjustment Factors for Household Data Series

*Robert J. McIntire

In 1980, the Bureau of Labor Statistics initiated the practice of extrapolating and publishing the seasonal adjustment factors for the major labor force series on a semiannual basis, instead of annually. These factors are used in the computation of the seasonally adjusted overall unemployment rate and the underlying measures of employment, unemployment, and the civilian labor force. Table 1 accompanying this article presents the seasonal factors to be used during the last 6 months of 1982 for the 12 major labor force components. The factors used during the first 6 months of 1982 were published in the February 1982 issue in the article entitled "Revision of Seasonally Adjusted Labor Force Series." That same article also included a discussion of the adjustment method and the procedures for aggregation.

The new seasonal factors have been extrapolated by applying the X-11 ARIMA program to data through June 1982 for each series. The ARIMA models used were the same as those used at the beginning of the year for the

extrapolation of the factors for January through June. The historical seasonally adjusted data, including the first 6 months of 1982, will not be revised until the beginning of 1983.

Data for any of the several hundred seasonally adjusted labor force series, plus the July-December 1982 factors for any of the 210 other independently adjusted series (in addition to the 12 components displayed here), may be obtained from the BLS upon request. Inquiries should be addressed to the Division of Employment and Unemployment Analysis, Bureau of Labor Statistics, Washington, D.C. 20212. Other inquiries concerning seasonal adjustment methodology or the availability of machine-readable files of labor force data should be addressed to the Data Services Group, Bureau of Labor Statistics, Washington, D.C. 20212.

*Robert J. McIntire is an economist and Chief of the Data Services Group in the Office of Current Employment Analysis, Bureau of Labor Statistics.

Table 1. Current seasonal adjustment factors for the 12 major labor force components, July-December 1982

Procedure and series	July	August	September	October	November	December
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Males, 20 years and over	1.068	1.072	1.054	1.053	1.006	0.948
Females, 20 years and over	1.248	1.169	1.134	1.116	.971	.816
Males, 16-19 years	1.596	1.461	1.108	1.000	.775	.665
Females, 16-19 years	1.851	1.705	1.069	.951	.719	.567
Nonagricultural employment:						
Males, 20 years and over	1.009	1.009	1.005	1.006	1.002	.999
Females, 20 years and over	.978	.981	1.001	1.012	1.015	1.013
Unemployment:						
Males, 20 years and over	.971	.949	.885	.896	.933	.979
Females, 20 years and over	1.023	1.053	1.045	1.025	.984	.940
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Males, 16-19 years	917	646	-226	-142	-189	-182
Females, 16-19 years	699	516	-79	-93	-47	30
Unemployment:						
Males, 16-19 years	159	-48	-101	-96	-12	-33
Females, 16-19 years	149	22	13	-10	-39	-154

HOUSEHOLD DATA HISTORICAL

A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

(Numbers in thousands)

Year and month	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	
Annual average										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,847
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,709
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,533	53,749	1,883	3.0	43,093
1953.....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,453	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,585	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 ¹	146,574	89,484	61.1	87,034	82,153	3,488	78,669	4,882	5.6	57,091
1973.....	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978.....	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,460
Monthly data, seasonally adjusted ²										
1981:										
June.....	172,172	110,565	64.2	108,434	100,430	3,348	97,082	8,004	7.4	61,608
July.....	172,385	110,827	64.3	108,688	100,864	3,342	97,522	7,824	7.2	61,558
August....	172,559	110,978	64.3	108,818	100,840	3,404	97,436	7,978	7.3	61,581
September..	172,758	110,659	64.1	108,494	100,258	3,358	96,900	8,236	7.6	62,099
October....	172,966	111,170	64.3	109,012	100,343	3,378	96,965	8,669	8.0	61,797
November..	173,155	111,430	64.4	109,272	100,172	3,372	96,800	9,100	8.3	61,724
December..	173,330	111,348	64.2	109,184	99,613	3,209	96,404	9,571	8.8	61,982
1982:										
January....	173,495	111,038	64.0	108,879	99,581	3,411	96,170	9,298	8.5	62,456
February...	173,657	111,333	64.1	109,165	99,590	3,373	96,217	9,575	8.8	62,324
March.....	173,843	111,521	64.2	109,346	99,492	3,349	96,144	9,854	9.0	62,321
April.....	174,020	111,824	64.3	109,648	99,340	3,309	96,032	10,307	9.4	62,197
May.....	174,201	112,841	64.8	110,666	100,117	3,488	96,629	10,549	9.5	61,360
June.....	174,364	112,364	64.4	110,191	99,764	3,357	96,406	10,427	9.5	61,999

¹ Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

HOUSEHOLD DATA HISTORICAL

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 to date

(Numbers in thousands)

Sex, year, and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural Indus- tries	Number	Percent of labor force	
MALES										
Annual averages										
1972 ¹	70,241	55,961	79.7	53,555	50,896	2,843	49,047	2,659	5.0	14,283
1973 ¹	71,567	56,900	79.5	54,624	52,349	2,847	49,502	2,275	4.2	14,667
1974	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978 ¹	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,955
1979	79,968	62,676	78.4	60,726	57,607	2,686	54,921	3,120	5.1	17,293
1980	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
Monthly data, seasonally adjusted ²										
1981:										
June	82,428	63,647	77.2	61,694	57,279	2,704	54,575	4,415	7.2	18,761
July	82,529	63,771	77.3	61,811	57,640	2,695	54,944	4,171	6.7	18,758
August	82,613	63,916	77.4	61,936	57,551	2,738	54,813	4,385	7.1	18,697
September	82,707	63,960	77.3	61,977	57,471	2,687	54,784	4,506	7.3	18,747
October	82,807	64,040	77.3	62,064	57,266	2,715	54,551	4,798	7.7	18,767
November	82,895	64,158	77.4	62,184	57,051	2,668	54,383	5,133	8.3	18,737
December	82,978	64,283	77.5	62,303	56,725	2,590	54,135	5,578	9.0	18,696
1982:										
January	83,054	63,941	77.0	61,966	56,629	2,698	53,931	5,338	8.6	19,113
February	83,129	64,025	77.0	62,042	56,658	2,693	53,965	5,384	8.7	19,104
March	83,218	64,069	77.0	62,082	56,472	2,667	53,805	5,610	9.0	19,149
April	83,303	64,234	77.1	62,247	56,401	2,661	53,739	5,846	9.4	19,068
May	83,389	64,835	77.8	62,849	56,820	2,797	54,023	6,029	9.6	18,553
June	83,464	64,270	77.0	62,287	56,223	2,724	53,498	6,065	9.7	19,193
FEMALES										
Annual averages										
1972 ¹	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,000
1974	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,111
1975	80,949	37,565	45.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922
Monthly data, seasonally adjusted ²										
1981:										
June	89,744	46,918	52.3	46,740	43,151	644	42,507	3,589	7.7	42,827
July	89,856	47,056	52.4	46,877	43,224	646	42,578	3,653	7.8	42,800
August	89,946	47,062	52.3	46,882	43,289	666	42,623	3,593	7.7	42,884
September	90,051	46,699	51.9	46,517	42,787	671	42,116	3,730	8.0	43,352
October	90,159	47,129	52.3	46,948	43,077	663	42,414	3,871	8.2	43,030
November	90,259	47,272	52.4	47,088	43,121	704	42,417	3,967	8.4	42,987
December	90,352	47,066	52.1	46,881	42,888	619	42,269	3,993	8.5	43,286
1982:										
January	90,441	47,097	52.1	46,513	42,952	713	42,239	3,960	8.4	43,343
February	90,528	47,308	52.3	47,123	42,932	680	42,251	4,191	8.9	43,220
March	90,625	47,452	52.4	47,264	43,020	682	42,339	4,243	9.0	43,173
April	90,718	47,589	52.5	47,401	42,940	647	42,292	4,461	9.4	43,128
May	90,813	48,005	52.9	47,817	43,297	691	42,606	4,520	9.5	42,807
June	90,900	48,094	52.9	47,904	43,541	633	42,908	4,362	9.1	42,806

¹ Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race

(Numbers in thousands)

Sex, age, and race	June 1982										
	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					
MALES											
16 years and over	65,557	78.5	63,573	57,362	6,211	9.8	17,907	447	2,550	1,429	13,482
16 to 21 years	9,199	73.6	8,579	6,659	1,921	22.4	3,308	40	1,958	34	1,277
16 to 19 years	5,424	66.6	5,179	3,873	1,306	25.2	2,717	31	1,658	17	1,010
16 to 17 years	2,187	55.7	2,177	1,578	599	27.5	1,742	15	1,098	5	623
18 to 19 years	3,238	76.9	3,002	2,296	706	23.5	975	17	560	11	387
20 to 64 years	58,235	89.6	56,497	51,634	4,863	8.6	6,731	212	891	995	4,633
20 to 24 years	8,674	88.7	8,904	7,515	1,389	15.6	1,234	25	581	50	578
25 to 54 years	41,368	94.4	40,401	37,324	3,077	7.6	2,476	104	305	504	1,562
25 to 29 years	9,644	94.5	9,256	8,162	1,094	11.8	560	27	178	47	308
30 to 34 years	8,851	96.0	8,588	7,873	715	8.3	367	11	69	68	219
35 to 39 years	7,284	95.9	7,092	6,615	476	6.7	311	22	24	68	197
40 to 44 years	5,761	94.9	5,673	5,348	325	5.7	307	14	20	88	186
45 to 49 years	4,980	93.1	4,952	4,707	244	4.9	370	17	12	102	240
50 to 54 years	4,849	89.6	4,842	4,619	223	4.6	561	14	3	131	413
55 to 64 years	7,193	70.4	7,192	6,795	397	5.5	3,022	82	5	441	2,494
55 to 59 years	4,439	82.3	4,438	4,178	260	5.9	953	40	4	207	703
60 to 64 years	2,754	57.1	2,754	2,617	137	5.0	2,068	42	1	234	1,791
65 years and over	1,897	18.3	1,897	1,855	42	2.2	8,460	204	--	417	7,838
65 to 69 years	1,093	27.9	1,093	1,067	27	2.5	2,823	49	--	142	2,632
70 years and over	804	12.5	804	789	15	1.9	5,637	155	--	276	5,206
White											
16 years and over	57,688	79.3	56,164	51,341	4,823	8.6	15,046	348	1,873	1,131	11,693
16 to 21 years	7,955	76.4	7,478	6,050	1,428	19.1	2,459	27	1,451	23	957
16 to 19 years	4,745	70.2	4,550	3,568	982	21.6	2,016	22	1,218	10	766
16 to 17 years	1,960	60.1	1,951	1,481	470	24.1	1,299	7	808	4	480
18 to 19 years	2,785	79.5	2,599	2,087	512	19.7	717	15	410	6	286
20 to 64 years	51,200	90.4	49,871	46,063	3,808	7.6	5,424	159	655	772	3,838
20 to 24 years	8,264	90.0	7,694	6,660	1,034	13.4	920	22	448	38	413
25 to 54 years	36,399	95.2	35,641	33,224	2,418	6.8	1,852	71	206	377	1,197
25 to 29 years	16,138	96.1	15,644	14,242	1,402	9.0	647	22	166	81	379
30 to 34 years	11,495	96.0	11,263	10,643	620	5.5	473	26	30	116	301
35 to 44 years	8,766	92.3	8,734	8,339	395	4.5	731	24	10	180	517
55 to 64 years	6,537	71.1	6,536	6,179	357	5.5	2,652	66	2	356	2,228
55 to 59 years	4,018	83.1	4,017	3,792	224	5.6	817	35	2	164	616
60 to 64 years	2,520	57.9	2,519	2,387	132	5.3	1,835	31	--	192	1,612
65 years and over	1,743	18.6	1,743	1,710	33	1.9	7,605	168	--	349	7,088
Black and other											
16 years and over	7,869	73.3	7,409	6,021	1,388	18.7	2,862	99	676	298	1,789
16 to 21 years	1,244	59.4	1,101	608	493	44.8	850	13	506	10	320
16 to 19 years	679	49.2	629	305	324	51.5	700	10	440	7	244
16 to 17 years	227	33.8	226	96	129	57.3	443	8	291	1	143
18 to 19 years	453	63.7	403	209	194	48.2	258	2	149	6	101
20 to 64 years	7,034	84.3	6,625	5,570	1,056	15.9	1,307	52	236	223	795
20 to 24 years	1,410	81.8	1,210	855	355	29.4	313	3	134	12	164
25 to 54 years	4,969	88.8	4,760	4,100	661	13.9	624	33	100	126	365
25 to 29 years	2,356	89.4	2,199	1,792	407	18.5	279	16	81	34	148
30 to 34 years	1,549	91.5	1,502	1,320	181	12.1	145	10	14	40	81
35 to 44 years	1,064	84.1	1,059	987	72	6.8	201	7	5	53	136
55 to 64 years	656	64.0	656	616	40	6.1	369	16	3	85	266
55 to 59 years	421	75.6	421	386	35	8.4	136	5	2	43	86
60 to 64 years	235	50.1	235	230	5	2.2	233	11	1	42	179
65 years and over	155	15.3	155	146	9	5.7	854	37	--	68	750

A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

(Numbers in thousands)

Sex, age, and race	June 1982										
	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					
FEMALES											
18 years and over	48,185	53.0	47,995	43,320	4,675	9.7	42,714	32,200	2,514	1,009	6,991
18 to 21 years	7,660	62.7	7,593	5,965	1,628	21.4	4,554	1,430	1,934	10	1,180
18 to 19 years	4,616	58.3	4,591	3,481	1,110	24.2	3,308	708	1,620	7	973
16 to 17 years	1,798	47.2	1,798	1,296	502	27.9	2,012	277	1,116	2	618
18 to 19 years	2,818	68.5	2,793	2,185	608	21.8	1,295	431	504	5	355
20 to 64 years	42,379	62.3	42,214	38,681	3,533	8.4	25,595	21,479	887	449	2,781
20 to 24 years	7,807	72.3	7,715	6,610	1,105	14.3	2,998	2,050	503	20	425
25 to 54 years	29,746	65.4	29,674	27,504	2,170	7.3	15,729	13,806	368	214	1,341
25 to 29 years	7,003	67.8	6,955	6,250	706	10.1	3,330	2,837	145	28	321
30 to 34 years	6,174	65.5	6,157	5,637	519	8.4	3,248	2,905	89	25	229
35 to 39 years	5,189	66.2	5,184	4,864	320	6.2	2,654	2,354	63	31	206
40 to 44 years	4,302	67.9	4,303	4,026	274	5.4	2,036	1,779	37	26	194
45 to 49 years	3,719	65.5	3,718	3,531	187	5.0	1,950	1,744	17	42	147
50 to 54 years	3,360	57.2	3,359	3,197	163	4.8	2,511	2,187	16	62	245
55 to 64 years	4,826	41.3	4,826	4,567	259	5.4	6,868	5,622	16	216	1,015
55 to 59 years	3,005	49.6	3,005	2,835	169	5.6	3,055	2,618	10	87	340
60 to 64 years	1,821	32.3	1,821	1,732	89	4.9	3,813	3,004	6	128	675
65 years and over	1,190	7.9	1,190	1,158	32	2.7	13,812	10,013	7	553	3,238
65 to 69 years	742	15.1	742	723	19	2.6	4,158	3,200	4	97	858
70 years and over	448	4.4	448	435	13	2.8	9,653	6,814	3	456	2,380
White											
18 years and over	41,338	52.8	41,203	37,727	3,476	8.4	37,016	28,399	1,828	786	6,003
18 to 21 years	6,692	66.0	6,646	5,454	1,192	17.9	3,441	1,102	1,399	6	935
18 to 19 years	4,088	62.3	4,070	3,237	833	20.5	2,469	519	1,154	4	792
16 to 17 years	1,621	51.7	1,621	1,226	395	24.3	1,516	196	802	1	518
18 to 19 years	2,467	72.1	2,449	2,011	438	17.9	952	323	352	3	274
20 to 64 years	36,189	62.2	36,072	33,456	2,616	7.3	22,036	18,717	667	344	2,308
20 to 24 years	6,683	74.0	6,619	5,837	782	11.8	2,344	1,640	386	15	303
25 to 54 years	25,216	65.0	25,163	23,565	1,598	6.4	13,581	12,032	268	167	1,116
25 to 34 years	11,084	66.6	11,037	10,169	868	7.9	5,561	4,911	167	45	437
35 to 44 years	8,022	66.1	8,017	7,566	452	5.6	4,113	3,655	74	47	337
45 to 54 years	6,109	61.0	6,108	5,831	278	4.5	3,909	3,466	27	74	341
55 to 64 years	4,290	41.2	4,290	4,053	237	5.5	6,111	5,045	14	163	890
55 to 59 years	2,685	50.1	2,685	2,532	153	5.7	2,679	2,312	8	66	291
60 to 64 years	1,605	31.9	1,605	1,521	84	5.2	3,432	2,733	5	97	598
65 years and over	1,061	7.8	1,061	1,034	27	2.5	12,511	9,163	7	438	2,903
Black and other											
18 years and over	6,848	54.6	6,792	5,594	1,199	17.6	5,698	3,801	687	223	989
18 to 21 years	968	46.5	947	511	436	46.1	1,113	328	535	4	245
18 to 19 years	529	38.7	521	244	277	53.1	839	189	466	3	181
16 to 17 years	178	26.3	177	70	107	60.4	496	81	314	1	100
18 to 19 years	351	50.6	344	174	170	49.3	343	108	153	2	81
20 to 64 years	6,191	63.5	6,143	5,226	917	14.9	3,558	2,760	220	105	473
20 to 24 years	1,124	63.2	1,096	773	323	29.5	654	410	117	5	123
25 to 54 years	4,532	67.9	4,512	3,939	573	12.7	2,147	1,774	100	47	226
25 to 34 years	2,094	67.3	2,075	1,718	357	17.2	1,018	831	67	7	113
35 to 44 years	1,468	71.8	1,467	1,324	143	9.8	577	478	26	10	62
45 to 54 years	970	63.7	970	897	73	7.5	552	465	7	29	50
55 to 64 years	535	41.4	535	514	21	4.0	757	577	3	53	125
55 to 59 years	319	45.9	319	303	16	5.0	376	305	2	21	48
60 to 64 years	216	36.2	216	211	6	2.6	381	272	1	32	77
65 years and over	128	9.0	128	123	5	3.9	1,301	851	--	115	335

HOUSEHOLD DATA

A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
MALES								
16 years and over	64,999	65,557	78.9	78.5	63,045	63,573	78.3	78.0
16 to 19 years	5,791	5,424	69.1	66.6	5,523	5,179	68.1	65.6
16 to 17 years	2,384	2,187	57.9	55.7	2,371	2,177	57.8	55.6
18 to 19 years	3,406	3,238	79.9	76.9	3,152	3,002	78.6	75.5
20 to 24 years	9,711	9,674	89.4	88.7	8,962	8,904	88.6	87.8
25 to 54 years	40,450	41,368	94.3	94.4	39,515	40,401	94.2	94.2
25 to 34 years	18,159	18,494	95.3	95.2	17,528	17,843	95.1	95.1
35 to 44 years	12,364	13,044	95.3	95.5	12,096	12,765	95.2	95.4
45 to 54 years	9,927	9,830	91.6	91.3	9,391	9,793	91.6	91.3
55 to 64 years	7,177	7,193	70.7	70.4	7,175	7,192	70.7	70.4
55 to 59 years	4,409	4,439	81.2	82.3	4,407	4,438	81.2	82.3
60 to 64 years	2,768	2,754	58.6	57.1	2,768	2,754	58.6	57.1
65 years and over	1,870	1,897	18.4	18.3	1,870	1,897	18.4	18.3
White								
16 years and over	57,376	57,688	79.7	79.3	55,870	56,164	79.3	78.9
16 to 19 years	5,057	4,745	72.4	70.2	4,849	4,550	71.6	69.3
16 to 17 years	2,076	1,960	60.6	60.1	2,065	1,951	60.5	60.0
18 to 19 years	2,981	2,785	83.8	79.5	2,784	2,599	82.8	78.4
20 to 24 years	8,348	8,264	90.8	90.0	7,795	7,694	90.3	89.3
25 to 54 years	35,729	36,399	95.4	95.2	34,985	35,641	95.3	95.1
25 to 34 years	15,910	16,138	96.4	96.1	15,422	15,644	96.2	96.0
35 to 44 years	10,920	11,495	96.2	96.0	10,696	11,263	96.1	96.0
45 to 54 years	8,899	8,766	92.7	92.3	8,868	8,734	92.7	92.3
55 to 64 years	6,533	6,537	71.5	71.1	6,532	6,536	71.5	71.1
55 to 59 years	4,009	4,018	82.4	83.1	4,008	4,017	82.3	83.1
60 to 64 years	2,524	2,520	59.2	57.9	2,524	2,519	59.2	57.9
65 years and over	1,709	1,743	18.6	18.6	1,709	1,743	18.6	18.6
Black and other								
16 years and over	7,622	7,869	72.7	73.3	7,176	7,409	71.5	72.1
16 to 19 years	734	679	52.4	49.2	675	629	50.3	47.3
16 to 17 years	308	227	44.4	33.8	306	226	44.3	33.8
18 to 19 years	426	453	60.1	63.7	368	403	56.6	61.0
20 to 24 years	1,363	1,410	81.2	81.8	1,167	1,210	78.7	79.4
25 to 54 years	4,721	4,969	87.2	88.8	4,529	4,760	86.7	88.4
25 to 34 years	2,249	2,356	88.3	89.4	2,106	2,199	87.6	88.7
35 to 44 years	1,444	1,549	88.6	91.5	1,399	1,502	88.3	91.2
45 to 54 years	1,028	1,064	83.1	84.1	1,024	1,059	83.1	84.1
55 to 64 years	644	656	63.4	64.0	643	656	63.4	64.0
55 to 59 years	400	421	71.6	75.6	400	421	71.6	75.6
60 to 64 years	244	235	53.4	50.1	244	235	53.4	50.1
65 years and over	161	155	16.5	15.3	161	155	16.5	15.3

A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
FEMALES								
16 years and over	47,036	48,185	52.4	53.0	46,859	47,995	52.3	52.9
16 to 19 years	4,788	4,616	58.7	58.3	4,760	4,591	58.5	58.1
16 to 17 years	1,977	1,798	49.5	47.2	1,977	1,798	49.5	47.2
18 to 19 years	2,811	2,818	67.5	68.5	2,783	2,793	67.3	68.3
20 to 24 years	7,675	7,807	71.1	72.3	7,589	7,715	70.9	72.0
25 to 54 years	28,619	29,746	64.3	65.4	28,555	29,674	64.2	65.4
25 to 34 years	12,713	13,178	65.5	66.7	12,656	13,112	65.4	66.6
35 to 44 years	8,851	9,490	65.6	66.9	8,846	9,484	65.6	66.9
45 to 54 years	7,054	7,079	60.7	61.3	7,053	7,078	60.7	61.3
55 to 64 years	4,756	4,826	41.0	41.3	4,756	4,826	41.0	41.3
55 to 59 years	2,975	3,005	48.8	49.6	2,975	3,005	48.8	49.6
60 to 64 years	1,781	1,821	32.4	32.3	1,781	1,821	32.4	32.3
65 years and over	1,199	1,190	8.2	7.9	1,199	1,190	8.2	7.9
White								
16 years and over	40,343	41,338	52.1	52.8	40,215	41,203	52.0	52.7
16 to 19 years	4,208	4,088	62.0	62.3	4,188	4,070	61.9	62.2
16 to 17 years	1,752	1,621	52.7	51.7	1,751	1,621	52.7	51.7
18 to 19 years	2,456	2,467	70.9	72.1	2,437	2,449	70.8	72.0
20 to 24 years	6,525	6,683	72.4	74.0	6,464	6,619	72.2	73.8
25 to 54 years	24,339	25,216	63.9	65.0	24,292	25,163	63.9	64.9
25 to 34 years	10,698	11,084	65.2	66.6	10,656	11,037	65.2	66.5
35 to 44 years	7,511	8,022	64.9	66.1	7,507	8,017	64.9	66.1
45 to 54 years	6,129	6,109	60.6	61.0	6,128	6,108	60.6	61.0
55 to 64 years	4,209	4,290	40.7	41.2	4,209	4,290	40.7	41.2
55 to 59 years	2,640	2,685	48.8	50.1	2,640	2,685	48.8	50.1
60 to 64 years	1,569	1,605	31.8	31.9	1,569	1,605	31.8	31.9
65 years and over	1,062	1,061	8.0	7.8	1,062	1,061	8.0	7.8
Black and other								
16 years and over	6,693	6,848	54.6	54.6	6,644	6,792	54.5	54.4
16 to 19 years	580	529	42.2	38.7	571	521	41.8	38.3
16 to 17 years	225	178	33.6	26.3	225	177	33.6	26.3
18 to 19 years	354	351	50.4	50.6	346	344	49.8	50.1
20 to 24 years	1,150	1,124	64.3	63.2	1,125	1,096	63.8	62.6
25 to 54 years	4,280	4,532	66.4	67.9	4,263	4,512	66.3	67.8
25 to 34 years	2,015	2,094	66.9	67.3	2,000	2,075	66.7	67.1
35 to 44 years	1,339	1,468	69.8	71.8	1,338	1,467	69.8	71.8
45 to 54 years	925	970	61.1	63.7	925	970	61.1	63.7
55 to 64 years	547	535	43.6	41.4	547	535	43.6	41.4
55 to 59 years	335	319	48.5	45.9	335	319	48.5	45.9
60 to 64 years	212	216	37.6	36.2	212	216	37.6	36.2
65 years and over	137	128	9.9	9.0	137	128	9.9	9.0

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A-5. Employment status of black workers by sex and age

(Numbers in thousands)

Sex and age	June 1982						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			
TOTAL								
16 years and over	11,471	9,211	188	9,023	2,260	19.7	7,099	
16 to 19 years	946	403	12	391	543	57.4	1,309	
16 to 17 years	323	113	6	107	210	64.9	796	
18 to 19 years	623	290	6	284	333	53.5	513	
20 to 24 years	1,915	1,312	23	1,289	603	31.5	782	
25 to 54 years	7,399	6,348	106	6,243	1,051	14.2	2,175	
25 to 34 years	3,438	2,778	31	2,747	660	19.2	989	
35 to 44 years	2,328	2,057	34	2,022	271	11.7	555	
45 to 54 years	1,633	1,514	40	1,473	119	7.3	631	
55 to 64 years	976	924	29	895	52	5.3	957	
65 to 69 years	598	555	18	537	43	7.1	441	
80 to 84 years	378	369	10	358	9	2.4	516	
85 years and over	236	224	19	205	12	4.9	1,877	
Males								
16 years and over	5,891	4,684	156	4,529	1,206	20.5	2,387	
16 to 19 years	507	210	12	199	297	58.6	592	
16 to 17 years	175	61	4	57	114	65.1	381	
18 to 19 years	332	149	6	142	183	55.1	211	
20 to 24 years	987	680	19	661	306	31.0	238	
25 to 54 years	3,753	3,189	82	3,107	565	15.1	508	
25 to 34 years	1,767	1,414	21	1,393	353	20.0	210	
35 to 44 years	1,160	1,007	26	980	153	13.2	120	
45 to 54 years	826	769	34	734	57	6.9	178	
55 to 64 years	527	494	27	467	33	6.3	321	
65 to 69 years	337	308	16	292	29	8.6	119	
80 to 84 years	189	186	10	176	3	1.6	201	
85 years and over	118	111	17	94	7	5.9	729	
Females								
16 years and over	5,580	4,527	32	4,494	1,054	18.9	4,712	
16 to 19 years	439	193	--	192	246	56.1	717	
16 to 17 years	148	52	2	53	96	65.1	415	
18 to 19 years	291	141	--	142	150	51.5	302	
20 to 24 years	928	632	4	628	297	32.0	544	
25 to 54 years	3,646	3,159	24	3,136	486	13.3	1,667	
25 to 34 years	1,671	1,364	10	1,354	307	18.4	779	
35 to 44 years	1,168	1,050	8	1,042	118	10.1	435	
45 to 54 years	807	745	6	739	62	7.7	453	
55 to 64 years	449	430	2	428	19	4.3	636	
65 to 69 years	261	247	2	245	14	5.3	322	
80 to 84 years	189	183	--	182	6	3.0	315	
85 years and over	118	113	2	111	5	4.1	1,148	

A-6. Employment status of the noninstitutional population by race, sex, and age

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 18-19 years	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
TOTAL								
Total noninstitutional population	172,172	174,364	74,045	75,323	81,583	82,976	16,544	16,065
Total labor force	112,035	113,742	59,208	60,132	42,248	43,569	10,579	10,041
Percent of population	65.1	65.2	80.0	79.8	51.8	52.5	63.9	62.5
Civilian labor force	109,904	111,569	57,522	58,394	42,099	43,404	10,283	9,770
Employed	101,419	100,683	54,130	53,489	39,263	39,839	8,025	7,355
Agriculture	3,831	3,816	2,533	2,574	715	706	584	536
Nonagricultural industries	97,588	96,866	51,598	50,915	38,549	39,133	7,442	6,818
Unemployed	8,485	10,886	3,392	4,905	2,836	3,565	2,258	2,415
Percent of labor force	7.7	9.8	5.9	8.4	6.7	8.2	22.0	24.7
Not in labor force	60,137	60,621	14,837	15,191	39,335	39,407	5,966	6,024
White								
Total noninstitutional population	149,439	151,087	64,964	65,972	70,707	71,797	13,769	13,318
Total labor force	97,719	99,026	52,319	52,943	36,135	37,250	9,265	8,833
Percent of population	65.4	65.5	80.5	80.3	51.1	51.9	67.3	66.3
Civilian labor force	96,084	97,367	51,021	51,614	36,027	37,133	9,037	8,620
Employed	89,720	89,068	48,415	47,773	33,964	34,490	7,341	6,805
Agriculture	3,539	3,548	2,324	2,377	672	652	544	519
Nonagricultural industries	86,180	85,520	46,091	45,396	33,292	33,838	6,797	6,286
Unemployed	6,365	8,299	2,606	3,841	2,063	2,643	1,696	1,815
Percent of labor force	6.6	8.5	5.1	7.4	5.7	7.1	18.8	21.1
Not in labor force	51,720	52,061	12,644	13,029	34,572	34,547	4,504	4,485
Black and other								
Total noninstitutional population	22,733	23,276	9,082	9,351	10,876	11,178	2,776	2,747
Total labor force	14,316	14,716	6,889	7,189	6,113	6,319	1,314	1,208
Percent of population	63.0	63.2	75.9	76.9	56.2	56.5	47.3	44.0
Civilian labor force	13,820	14,201	6,501	6,780	6,072	6,271	1,246	1,150
Employed	11,699	11,614	5,715	5,716	5,299	5,349	685	550
Agriculture	292	268	209	197	43	54	40	17
Nonagricultural industries	11,408	11,346	5,506	5,519	5,256	5,295	645	532
Unemployed	2,121	2,587	786	1,065	773	922	561	600
Percent of labor force	15.3	18.2	12.1	15.7	12.7	14.7	45.0	52.2
Not in labor force	8,418	8,560	2,193	2,161	4,763	4,859	1,462	1,539

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A-7. Employment status of the noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	June 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,721	12,508	12,214	20,547	10,414	10,134	4,174	2,094	2,080
Total labor force	16,859	9,199	7,660	14,647	7,955	6,692	2,212	1,244	968
Percent of population	68.2	73.6	62.7	71.3	76.4	66.0	53.0	59.4	46.5
Civilian labor force	16,173	8,579	7,593	14,124	7,478	6,646	2,049	1,101	947
Employed	12,624	6,659	5,965	11,504	6,050	5,454	1,119	608	511
Agriculture	740	619	121	714	593	121	26	25	--
Nonagricultural industries	11,884	6,040	5,844	10,790	5,457	5,333	1,094	583	511
Unemployed	3,549	1,921	1,628	2,620	1,428	1,192	929	493	436
Looking for full-time work	2,754	1,551	1,203	1,977	1,121	856	777	430	348
Looking for part-time work	794	369	425	643	306	336	152	63	89
Percent of labor force	21.9	22.4	21.4	18.5	19.1	17.9	45.4	44.8	46.1
Not in labor force	7,862	3,308	4,554	5,900	2,459	3,441	1,962	850	1,113
Major activity: going to school									
Civilian labor force	1,933	990	999	1,740	877	863	249	113	136
Employed	1,395	690	705	1,307	643	664	88	47	41
Agriculture	45	36	9	46	37	9	--	--	--
Nonagricultural industries	1,350	654	696	1,261	606	655	89	48	41
Unemployed	593	300	294	432	234	199	161	66	95
Looking for full-time work	287	145	141	185	102	83	101	43	58
Looking for part-time work	307	154	152	247	131	115	60	23	37
Percent of labor force	29.8	30.3	29.4	24.9	26.7	23.0	64.7	58.4	69.9
Not in labor force	3,892	1,958	1,934	2,850	1,451	1,399	1,042	506	535
Major activity: other									
Civilian labor force	14,184	7,590	6,594	12,384	6,601	5,783	1,800	989	811
Employed	11,229	5,969	5,260	10,197	5,407	4,790	1,032	562	470
Agriculture	694	582	112	658	556	112	27	26	--
Nonagricultural industries	10,534	5,386	5,148	9,529	4,851	4,678	1,005	535	470
Unemployed	2,955	1,621	1,334	2,187	1,194	993	768	427	341
Looking for full-time work	2,468	1,436	1,062	1,791	1,019	772	676	387	290
Looking for part-time work	487	215	272	396	175	221	92	40	52
Percent of labor force	20.8	21.4	20.2	17.7	18.1	17.2	42.7	43.2	42.1
Not in labor force	3,970	1,350	2,620	3,050	1,007	2,043	920	343	577

A-8. Full- and part-time status of the civilian labor force by sex, age, and race

(Numbers in thousands)

Sex, age, and race	June 1982								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over.....	96,967	83,702	6,746	9,518	9.8	14,602	13,235	1,368	9.4
16 to 21 years.....	11,635	6,836	2,045	2,754	23.7	4,538	3,743	794	17.5
16 to 19 years.....	6,156	3,011	1,385	1,759	28.6	3,614	2,958	656	18.2
16 to 17 years.....	1,827	627	552	647	35.4	2,148	1,694	454	21.1
18 to 19 years.....	4,329	2,384	832	1,112	25.7	1,466	1,264	202	13.8
20 years and over.....	90,811	77,690	5,361	7,759	8.5	10,988	10,276	712	6.5
20 to 24 years.....	14,757	11,101	1,407	2,250	15.2	1,861	1,617	244	13.1
25 years and over.....	76,053	66,589	3,955	5,509	7.2	9,127	8,659	467	5.1
25 to 54 years.....	63,820	55,682	3,250	4,888	7.7	6,256	5,895	360	5.8
55 years and over.....	12,233	10,907	704	622	5.1	2,872	2,764	107	3.7
Males, 16 years and over.....	59,140	50,049	3,393	5,699	9.6	4,433	3,921	512	11.5
16 to 21 years.....	6,463	3,877	1,035	1,551	24.0	2,116	1,747	369	17.5
16 to 19 years.....	3,421	1,736	710	974	28.5	1,758	1,427	332	18.9
20 years and over.....	55,720	48,312	2,682	4,725	8.5	2,675	2,494	180	6.7
20 to 24 years.....	8,268	6,230	720	1,318	15.9	636	565	70	11.1
25 years and over.....	47,452	42,081	1,963	3,406	7.2	2,040	1,929	111	5.4
25 to 54 years.....	39,582	34,958	1,610	3,013	7.5	820	756	65	7.9
55 years and over.....	7,870	7,123	353	393	5.0	1,220	1,174	46	3.8
Females, 16 years and over.....	37,826	30,653	3,354	3,819	10.1	10,169	9,314	856	8.4
16 to 21 years.....	5,172	2,959	1,009	1,203	23.3	2,421	1,996	425	17.5
16 to 19 years.....	2,735	1,275	675	785	28.7	1,856	1,532	325	17.5
20 years and over.....	35,091	29,378	2,679	3,034	8.6	8,313	7,782	531	6.4
20 to 24 years.....	6,489	4,871	687	931	14.3	1,226	1,052	174	14.2
25 years and over.....	28,603	24,508	1,992	2,103	7.4	7,088	6,730	358	5.1
25 to 54 years.....	24,239	20,724	1,640	1,875	7.7	5,435	5,140	296	5.4
55 years and over.....	4,364	3,783	352	229	5.2	1,652	1,590	62	3.8
White									
Males, 16 years and over.....	52,216	44,915	2,900	4,402	8.4	3,948	3,527	421	10.7
16 to 21 years.....	5,566	3,526	918	1,121	20.1	1,912	1,606	306	16.0
16 to 19 years.....	2,957	1,610	641	706	23.9	1,594	1,317	276	17.3
20 years and over.....	49,259	43,305	2,258	3,696	7.5	2,355	2,210	145	6.1
20 to 24 years.....	7,135	5,551	603	982	13.8	559	507	52	9.3
25 years and over.....	42,123	37,754	1,655	2,714	6.4	1,796	1,704	93	5.2
25 to 54 years.....	34,954	31,229	1,364	2,361	6.8	686	631	56	8.2
55 years and over.....	7,169	6,525	291	353	4.9	1,110	1,073	37	3.3
Females, 16 years and over.....	31,873	26,318	2,790	2,765	8.7	9,331	8,619	711	7.6
16 to 21 years.....	4,428	2,670	903	856	19.3	2,218	1,882	336	15.2
16 to 19 years.....	2,371	1,178	619	574	24.2	1,699	1,440	259	15.2
20 years and over.....	29,502	25,139	2,171	2,191	7.4	7,632	7,179	452	5.9
20 to 24 years.....	5,506	4,291	572	644	11.7	1,113	974	139	12.5
25 years and over.....	23,995	20,849	1,598	1,548	6.5	6,519	6,205	313	4.8
25 to 54 years.....	20,124	17,471	1,314	1,340	6.7	5,038	4,780	258	5.1
55 years and over.....	3,871	3,378	284	209	5.4	1,480	1,425	55	3.7
Black and other									
Males, 16 years and over.....	6,925	5,134	493	1,298	18.7	484	394	91	18.7
16 to 21 years.....	898	351	117	430	47.9	204	141	63	31.0
16 to 19 years.....	464	127	69	269	57.8	165	109	55	33.5
20 years and over.....	6,461	5,007	424	1,029	15.9	320	284	36	11.1
20 to 24 years.....	1,133	679	117	337	29.7	77	59	18	23.7
25 years and over.....	5,328	4,328	307	692	13.0	242	225	18	7.4
25 to 54 years.....	4,627	3,729	246	652	14.1	133	124	9	6.8
55 years and over.....	701	599	61	41	5.8	110	101	9	8.2
Females, 16 years and over.....	5,953	4,335	564	1,054	17.7	839	694	144	17.2
16 to 21 years.....	744	290	107	348	46.7	203	115	89	43.5
16 to 19 years.....	364	97	56	211	58.1	158	92	66	41.7
20 years and over.....	5,590	4,239	508	843	15.1	681	602	79	11.6
20 to 24 years.....	983	580	115	288	29.3	113	78	35	31.1
25 years and over.....	4,607	3,659	393	555	12.0	569	525	43	7.6
25 to 54 years.....	4,115	3,254	326	535	13.0	397	359	37	9.3
55 years and over.....	493	405	68	20	4.1	172	165	7	4.1

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

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A-9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	June 1982									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	111,569	64.8	100,683	10,886	9.8	60,621	32,647	5,064	2,438	20,473
Husbands	39,788	80.2	37,447	2,340	5.9	9,814	167	142	795	8,711
With employed wife	21,543	92.1	20,408	1,134	5.3	1,846	45	80	263	1,457
With unemployed wife	1,588	93.5	1,301	287	18.1	110	4	3	23	80
With wife not in labor force	16,657	67.9	15,738	919	5.5	7,859	118	59	508	7,173
Wives	25,086	50.6	23,388	1,698	6.8	24,516	21,610	249	296	2,361
With employed husband	21,709	58.0	20,408	1,301	6.0	15,738	14,394	208	83	1,053
With unemployed husband	1,421	60.7	1,134	287	20.2	919	841	9	19	50
With husband not in labor force	1,956	19.9	1,846	110	5.6	7,859	6,375	31	194	1,258
Relatives in married-couple families	15,050	68.1	12,160	2,890	19.2	7,066	1,082	2,973	291	2,719
16 to 19 years	6,734	63.4	5,204	1,530	22.7	3,887	266	2,233	11	1,377
20 to 24 years	5,576	80.1	4,620	956	17.1	1,382	183	648	40	510
25 years and over	2,740	60.4	2,336	404	14.7	1,797	633	92	240	832
Females who maintain families	5,789	60.6	5,093	696	12.0	3,771	2,940	107	127	597
Relatives in families maintained by females	5,163	61.0	3,828	1,335	25.9	3,306	893	962	233	1,218
16 to 19 years	1,684	55.4	1,093	591	35.1	1,358	139	783	11	424
20 to 24 years	1,653	77.9	1,231	421	25.5	469	141	140	15	173
25 years and over	1,826	55.2	1,504	323	17.7	1,479	613	39	207	621
Males who maintain families	1,936	76.5	1,769	167	8.6	594	31	29	65	469
Relatives in families maintained by males	1,613	62.3	1,377	237	14.7	978	391	179	56	352
16 to 19 years	323	56.4	247	76	23.6	250	21	140	1	88
20 to 24 years	490	81.5	399	90	18.4	111	36	34	1	40
25 years and over	800	56.4	731	71	8.9	617	334	5	54	224
Persons living alone	10,364	53.8	9,625	739	7.1	8,902	4,900	155	483	3,365
Males	5,428	72.1	4,941	487	9.0	2,098	122	104	204	1,668
Females	4,936	42.0	4,684	252	5.1	6,804	4,778	51	279	1,696
All others ¹	6,780	80.2	5,996	784	11.6	1,674	633	268	92	681

¹ The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

A-10. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
	Total, 16 years and over	4,582	6,211	7.3	9.8	3,903	4,675	8.3	9.7
Married, spouse present	1,598	2,462	3.9	6.0	1,387	1,757	5.6	6.9
Widowed, divorced, or separated	427	672	7.8	12.1	707	878	7.8	9.5
Single (never married)	2,557	3,077	15.1	18.0	1,809	2,040	14.1	15.5
White, 16 years and over	3,506	4,823	6.3	8.6	2,858	3,476	7.1	8.4
Married, spouse present	1,313	2,041	3.6	5.5	1,156	1,449	5.2	6.4
Widowed, divorced, or separated	316	526	7.0	11.4	497	682	6.8	9.1
Single (never married)	1,877	2,256	13.0	15.5	1,204	1,346	11.3	12.4
Black and other, 16 years and over	1,076	1,388	15.0	18.7	1,045	1,199	15.7	17.6
Married, spouse present	285	422	7.6	10.7	231	308	8.5	10.9
Widowed, divorced, or separated	111	145	11.7	15.8	209	197	11.8	11.5
Single (never married)	680	821	27.4	32.3	605	694	27.9	30.9
Total, 20 to 64 years of age	3,339	4,863	6.0	8.6	2,793	3,533	6.8	8.4
Married, spouse present	1,532	2,415	3.9	6.2	1,310	1,681	5.4	6.7
Widowed, divorced, or separated	420	648	8.0	12.3	657	837	7.9	9.8
Single (never married)	1,387	1,800	12.1	14.9	825	1,015	9.9	11.6
White, 20 to 64 years of age	2,569	3,808	5.2	7.6	2,028	2,616	5.8	7.3
Married, spouse present	1,261	2,001	3.6	5.7	1,095	1,379	5.1	6.2
Widowed, divorced, or separated	312	507	7.2	11.5	460	645	6.9	9.4
Single (never married)	996	1,300	10.3	12.8	473	592	7.1	8.4
Black and other, 20 to 64 years of age	770	1,056	12.1	15.9	765	917	12.9	14.9
Married, spouse present	272	414	7.5	10.8	217	302	8.2	10.9
Widowed, divorced, or separated	108	141	11.8	15.9	196	191	11.7	11.7
Single (never married)	390	500	21.5	26.2	352	423	21.7	24.4

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A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
Total, 16 years and over	8,485	10,886	7.7	9.8	7.3	9.8	8.3	9.7
White-collar workers	2,214	2,876	4.3	5.1	2.8	4.1	5.1	6.0
Professional and technical	522	647	3.2	3.8	2.4	3.3	4.1	4.3
Managers and administrators, except farm	299	426	2.5	3.6	2.2	3.2	3.5	4.6
Sales workers	303	418	4.4	6.0	3.2	5.4	5.8	6.6
Clerical workers	1,090	1,385	5.5	7.0	4.6	6.6	5.7	7.1
Blue-collar workers	3,282	4,636	9.2	13.2	8.6	12.7	11.8	15.1
Craft and kindred workers	902	1,303	6.5	9.5	6.6	9.5	5.2	8.5
Carpenters and other construction craft workers	460	564	10.7	12.9	10.7	12.9	(1)	12.7
All other	442	739	4.6	7.9	4.6	7.8	4.6	8.1
Operatives, except transport	1,334	1,918	11.0	16.5	9.5	16.4	13.1	16.6
Transport equipment operatives	279	469	7.3	12.0	6.9	12.1	11.8	10.9
Nonfarm laborers	767	946	13.0	15.0	13.2	16.0	11.0	15.8
Construction laborers	234	248	19.9	23.1	19.8	23.0	(1)	(1)
All other	533	698	11.2	14.4	11.4	14.2	10.6	15.3
Service workers	1,427	1,672	9.7	10.7	10.8	11.6	9.0	10.2
Private household	52	70	4.8	6.4	(1)	(1)	4.7	5.7
All other	1,375	1,602	10.0	11.0	10.8	11.5	9.5	10.7
Farm workers	142	163	4.4	5.1	3.5	4.4	7.8	7.9
No previous work experience	1,420	1,539	--	--	--	--	--	--
16 to 19 years	1,136	1,176	--	--	--	--	--	--
20 to 24 years	204	272	--	--	--	--	--	--
25 years and over	81	91	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
Total, 16 years and over	100.0	100.0	7.7	9.8	7.3	9.8	8.3	9.7
Nonagricultural private wage and salary workers	69.2	74.2	7.3	9.9	7.1	10.3	7.5	9.3
Mining	.7	1.4	5.2	13.2	5.6	14.6	2.4	4.6
Construction	8.9	8.2	14.0	16.9	14.2	17.3	11.3	13.2
Manufacturing	20.0	25.0	7.2	12.0	6.0	11.3	9.8	13.5
Durable goods	11.5	15.9	6.9	12.9	6.2	12.7	8.9	13.5
Lumber and wood products	.8	1.0	9.7	16.9	9.3	17.4	12.6	13.4
Furniture and fixtures	.5	.8	7.6	16.5	6.3	15.3	10.3	19.0
Stone, clay, and glass products	.5	.6	6.4	10.2	6.4	7.6	6.1	18.2
Primary metal industries	1.0	2.3	6.3	21.0	6.7	21.3	7.8	18.9
Fabricated metal products	1.4	2.3	7.5	17.7	7.2	17.1	8.8	19.9
Machinery, except electrical equipment	1.9	2.8	5.5	11.0	4.7	11.3	8.4	9.7
Electrical equipment	1.8	1.8	6.2	8.0	4.5	5.3	8.4	11.4
Transportation equipment	2.3	2.8	8.1	13.8	8.2	13.1	7.9	16.9
Automobiles	1.5	1.7	10.8	17.0	10.5	15.9	12.7	22.7
Other transportation equipment	.8	1.1	5.5	10.7	5.7	10.4	4.6	12.4
Instruments and related products	.3	.6	3.6	10.6	2.4	11.3	5.0	9.5
Other durable goods industries	1.0	.8	10.7	10.9	6.6	9.5	18.0	13.0
Nondurable goods	8.5	9.2	7.7	10.7	5.5	8.6	10.6	13.5
Food and kindred products	2.0	2.1	8.9	11.2	6.2	9.0	15.3	16.2
Textile mill products	.9	1.0	8.5	14.2	8.4	13.1	8.6	15.2
Apparel and other textile products	1.7	1.8	9.3	14.3	5.9	11.5	11.0	15.0
Paper and allied products	.4	.6	4.0	8.0	2.6	6.8	8.4	12.0
Printing and publishing	1.2	1.2	6.3	8.3	5.1	8.7	7.9	7.7
Chemicals and allied products	.9	.9	5.6	7.5	4.3	5.1	8.7	13.9
Rubber and plastics products	.8	.9	9.5	12.9	6.5	10.2	15.1	17.4
Other nondurable goods industries	.6	.6	7.9	10.1	7.0	9.8	9.2	10.3
Transportation and public utilities	3.1	3.4	4.5	6.3	4.5	6.8	4.2	5.0
Railroads and railway express	.4	.6	5.1	12.1	5.1	12.4	(1)	(1)
Other transportation	2.0	2.2	6.4	9.0	6.6	9.0	5.6	8.9
Communication and other public utilities	.7	.6	2.2	2.4	1.6	2.4	3.4	2.2
Wholesale and retail trade	18.9	19.3	8.0	10.0	7.2	9.7	8.9	10.3
Finance, insurance, and real estate	2.3	2.8	3.4	5.3	3.3	4.9	3.5	5.5
Service industries	15.3	14.1	6.9	7.6	7.4	8.1	6.5	7.3
Professional services	6.7	6.0	5.2	5.7	4.9	5.3	5.3	6.0
All other service industries	8.6	8.1	9.2	10.1	9.6	10.3	8.7	9.9
Agricultural wage and salary workers	2.1	2.1	9.6	11.7	8.3	10.2	14.0	17.3
All other classes of workers	11.9	9.6	3.9	4.0	3.3	3.7	4.7	4.4
No previous work experience	16.7	14.1	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

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A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	8,485	10,886	3,392	4,905	2,836	3,565	2,258	2,415	6,365	8,299	2,121	2,587
Job losers.....	3,821	5,804	2,256	3,651	1,263	1,732	302	421	2,917	4,573	904	1,231
On layoff.....	1,156	1,864	692	1,203	408	569	56	93	960	1,547	196	317
Other job losers.....	2,665	3,940	1,564	2,448	855	1,163	246	328	1,957	3,026	708	914
Job leavers.....	872	793	363	309	362	361	147	123	723	654	149	139
Reentrants.....	2,372	2,751	653	814	1,046	1,239	673	698	1,728	2,031	644	720
New entrants.....	1,420	1,538	120	131	164	233	1,136	1,174	997	1,041	423	497
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	45.0	53.3	66.5	74.4	44.6	48.6	13.4	17.4	45.9	55.1	42.7	47.6
On layoff.....	13.6	17.1	20.4	24.5	14.4	16.0	2.5	3.8	15.1	18.6	9.3	12.3
Other job losers.....	31.4	36.2	46.1	49.9	30.2	32.6	10.9	13.6	30.8	36.5	33.4	35.3
Job leavers.....	10.3	7.3	10.7	6.3	12.8	10.1	6.5	5.1	11.4	7.9	7.0	5.4
Reentrants.....	28.0	25.3	119.0	16.6	36.9	34.7	29.8	28.9	27.2	24.5	30.4	27.8
New entrants.....	16.7	14.1	3.5	2.7	5.8	6.5	50.3	48.6	15.7	12.5	20.0	19.2
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.7	9.8	5.9	8.4	6.7	8.2	22.0	24.7	6.6	8.5	15.3	18.2
Job loser rate ¹	3.5	5.2	3.9	6.3	3.0	4.0	2.9	4.3	3.0	4.7	6.5	8.6
Job leaver rate ¹.....	.8	.7	.6	.5	.9	.8	1.4	1.3	.8	.7	1.1	1.0
Reentrant rate ¹	2.2	2.5	1.1	1.4	2.5	2.9	6.5	7.1	1.8	2.1	4.9	5.1
New entrant rate ¹	1.3	1.4	.2	.2	.4	.5	11.1	12.0	1.0	1.1	3.1	3.5

¹ Unemployment rates are calculated as a percent of the civilian labor force.

A-14. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

[Percent distribution]

Reason, sex, and age	June 1982						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	10,886	100.0	41.7	27.0	31.2	15.0	16.2
Job losers.....	5,804	100.0	30.8	27.5	41.7	19.9	21.8
On layoff.....	1,864	100.0	39.7	26.9	33.4	15.0	18.3
Other job losers.....	3,940	100.0	26.7	27.7	45.6	22.2	23.5
Job leavers.....	793	100.0	43.1	28.1	28.8	13.5	15.3
Reentrants.....	2,751	100.0	53.0	27.3	19.8	10.1	9.7
New entrants.....	1,538	100.0	62.1	24.4	13.5	6.3	7.3
Males, 20 years and over.....	4,905	100.0	32.5	26.7	40.9	18.1	22.8
Job losers.....	3,651	100.0	29.3	25.9	44.7	19.7	25.0
On layoff.....	1,203	100.0	38.5	25.6	35.9	15.6	20.4
Other job losers.....	2,448	100.0	24.8	26.1	49.0	21.7	27.3
Job leavers.....	309	100.0	36.7	28.0	35.3	13.0	22.3
Reentrants.....	814	100.0	43.8	28.5	27.7	13.9	13.2
New entrants.....	131	100.0	39.4	32.1	28.5	11.0	17.5
Females, 20 years and over.....	3,565	100.0	40.1	29.5	30.4	15.8	14.7
Job losers.....	1,732	100.0	30.8	30.3	38.9	20.4	18.5
On layoff.....	569	100.0	38.3	30.8	30.9	14.5	16.3
Other job losers.....	1,163	100.0	27.1	30.1	42.8	23.3	19.5
Job leavers.....	361	100.0	39.5	31.8	28.7	15.3	13.5
Reentrants.....	1,239	100.0	52.1	28.3	19.6	9.5	10.1
New entrants.....	233	100.0	46.9	25.8	27.3	15.0	12.3
Both sexes, 16 to 19 years.....	2,415	100.0	62.9	24.2	12.9	7.7	5.2
Job losers.....	421	100.0	44.0	28.8	27.2	19.5	7.7
On layoff.....	93	100.0	63.3	20.9	15.8	11.4	4.4
Other job losers.....	328	100.0	38.5	31.1	30.4	21.8	8.6
Job leavers.....	123	100.0	69.8	17.7	12.6	9.7	2.8
Reentrants.....	698	100.0	65.2	24.1	10.7	6.6	4.2
New entrants.....	1,174	100.0	67.6	23.3	9.1	4.0	5.1

A-15. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	June 1982								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	10,886	8,824	23.8	6.6	77.8	33.7	16.1	4.4	1.62
16 to 19 years	2,415	2,279	15.9	3.4	81.4	25.5	15.5	4.3	1.46
20 to 24 years	2,494	2,087	26.6	7.1	79.3	35.1	15.6	3.3	1.67
25 to 34 years	3,034	2,267	27.4	8.1	75.9	38.7	15.6	4.0	1.70
35 to 44 years	1,396	1,059	29.6	7.6	72.1	34.4	17.6	6.4	1.68
45 to 54 years	818	609	24.1	7.4	80.3	36.6	17.1	3.6	1.69
55 to 64 years	656	462	18.6	9.3	75.3	39.3	17.5	5.2	1.64
65 years and over	74	61	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	6,211	4,825	26.3	7.0	79.2	31.5	18.1	4.4	1.66
16 to 19 years	1,306	1,214	16.4	3.5	83.0	23.7	17.6	2.7	1.47
20 to 24 years	1,389	1,126	29.2	7.9	80.2	32.1	18.0	2.9	1.70
25 to 34 years	1,809	1,264	32.1	7.9	78.1	37.3	16.4	3.6	1.75
35 to 44 years	802	576	31.4	7.6	73.6	29.0	22.4	9.7	1.78
45 to 54 years	467	340	26.8	9.7	81.8	37.4	14.7	5.3	1.76
55 to 64 years	397	268	20.9	10.1	74.6	35.8	21.3	10.4	1.73
65 years and over	42	37	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	4,675	3,998	20.6	6.1	76.2	36.4	13.7	4.3	1.57
16 to 19 years	1,110	1,065	15.4	3.3	79.6	27.5	13.1	6.1	1.45
20 to 24 years	1,105	961	23.6	6.3	78.4	38.5	12.8	3.6	1.63
25 to 34 years	1,225	1,003	21.5	8.3	73.2	40.4	14.6	4.5	1.62
35 to 44 years	595	483	27.5	7.5	70.4	40.8	12.0	2.5	1.61
45 to 54 years	350	268	20.9	4.5	78.7	35.8	20.1	1.9	1.62
55 to 64 years	259	194	15.5	8.2	76.3	42.3	12.4	5.7	1.60
65 years and over	32	24	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Whites, 16 years and over	8,299	6,590	21.4	6.7	78.0	36.0	16.4	4.3	1.63
Males	4,823	3,661	23.7	7.5	79.3	33.2	17.8	4.7	1.66
Females	3,476	2,929	18.4	5.8	76.3	39.4	14.6	3.8	1.58
Black and other, 16 years and over	2,587	2,233	30.9	6.2	77.3	27.1	15.3	4.6	1.61
Males	1,388	1,164	34.7	5.3	78.8	25.9	19.0	3.5	1.67
Females	1,199	1,069	26.7	7.1	75.9	28.3	11.2	5.7	1.55

¹ Percent not shown where base is less than 75,000.

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

A-16. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	June 1982								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	10,886	8,824	23.8	6.6	77.8	33.7	16.1	4.4	1.62
Job losers	5,804	3,912	30.3	7.3	78.6	36.2	17.3	4.8	1.78
Job leavers	793	805	23.5	10.8	78.8	37.6	14.0	1.4	1.66
Reentrants	2,751	2,598	18.6	6.1	75.4	33.8	15.7	4.8	1.54
New entrants	1,538	1,509	15.8	3.4	79.6	25.2	14.7	4.2	1.43
Males, 16 years and over	6,211	4,825	26.3	7.0	79.2	31.5	18.1	4.4	1.66
Job losers	3,940	2,645	31.6	7.4	78.6	33.5	18.5	5.6	1.75
Job leavers	362	360	28.6	13.9	78.6	37.5	16.4	1.9	1.77
Reentrants	1,190	1,112	20.5	6.3	77.7	28.9	18.0	4.0	1.55
New entrants	719	708	14.5	3.1	83.8	25.1	17.4	2.1	1.46
Females, 16 years and over	4,675	3,998	20.6	6.1	76.2	36.4	13.7	4.3	1.57
Job losers	1,864	1,267	27.4	7.0	78.4	41.8	14.9	3.1	1.73
Job leavers	432	445	19.3	8.3	79.1	37.8	12.1	1.9	1.58
Reentrants	1,561	1,485	17.2	6.0	73.6	37.6	13.9	5.5	1.54
New entrants	819	801	17.0	3.7	76.0	25.2	12.5	6.1	1.41

NOTE: See notes, table A-15.

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A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
Total, 16 years and over	8,485	10,886	100.0	100.0	7,230	9,518	100.0	100.0
Less than 5 weeks	4,234	4,542	49.9	41.7	3,340	3,680	46.2	38.7
5 to 14 weeks	2,059	2,943	24.3	27.0	1,827	2,617	25.3	27.5
15 to 26 weeks	1,554	2,135	18.3	19.6	1,379	1,887	19.1	19.8
27 to 51 weeks	506	808	6.0	7.4	447	730	6.2	7.7
52 weeks and over	2,192	3,401	25.8	31.2	2,064	3,222	28.5	33.9
Average (mean) duration, in weeks	12.7	14.7	--	--	13.7	15.7	--	--
Median duration, in weeks	5.0	7.3	--	--	6.0	8.2	--	--

A-18. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	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			June 1981	June 1982	June 1981	June 1982
	June 1982										
Total, 16 years and over	10,886	4,542	2,943	1,635	1,766	14.7	7.3	49.9	41.7	25.8	31.2
16 to 21 years	3,549	2,064	907	324	254	8.9	4.3	63.7	58.2	13.4	16.3
18 to 19 years	2,415	1,519	584	187	125	7.6	4.0	68.9	62.9	10.5	12.9
20 to 24 years	2,494	1,097	722	353	321	12.8	6.4	47.0	44.0	24.6	27.0
25 to 34 years	3,034	1,065	822	514	633	17.0	9.7	42.4	35.1	33.0	37.8
35 to 44 years	1,396	426	390	242	338	19.5	11.1	40.2	30.5	35.4	41.6
45 to 54 years	818	236	210	181	191	20.9	12.8	40.0	28.8	37.7	45.5
55 to 64 years	656	177	195	136	148	19.3	11.8	35.0	26.9	38.2	43.3
65 years and over	74	22	20	21	11	19.0	11.1	47.9	(1)	36.1	(1)
Males, 16 years and over	6,211	2,358	1,655	1,000	1,198	16.4	8.6	46.8	38.0	29.4	35.4
16 to 21 years	1,921	1,025	527	206	163	9.9	4.7	61.2	53.4	15.0	19.2
18 to 19 years	1,306	765	346	114	80	8.4	4.3	66.2	58.6	12.1	14.9
20 to 24 years	1,389	548	401	225	214	14.4	7.5	43.6	39.5	28.8	31.6
25 to 34 years	1,809	573	472	313	451	19.0	11.0	39.0	31.7	35.9	42.2
35 to 44 years	802	242	194	156	209	21.0	13.0	39.3	30.2	42.7	45.5
45 to 54 years	467	115	116	98	139	24.2	15.4	35.0	24.6	43.0	50.7
55 to 64 years	397	104	114	80	100	20.1	12.7	34.4	26.1	39.1	45.3
65 years and over	42	10	12	13	6	18.9	13.0	(1)	(1)	(1)	(1)
Females, 16 years and over	4,675	2,185	1,288	634	568	12.4	5.9	53.5	46.7	21.7	25.7
16 to 21 years	1,628	1,040	379	119	90	7.7	3.9	66.5	63.9	11.5	12.8
18 to 19 years	1,110	754	238	72	45	6.8	3.7	72.0	68.0	8.8	10.6
20 to 24 years	1,105	549	321	128	107	10.8	5.1	51.1	49.7	19.6	21.3
25 to 34 years	1,225	492	350	201	182	14.0	7.9	46.5	40.2	29.3	31.3
35 to 44 years	595	184	196	86	129	17.4	9.4	41.1	31.0	28.2	36.2
45 to 54 years	350	121	94	83	52	16.5	10.0	45.8	34.5	31.5	38.7
55 to 64 years	259	73	82	56	48	18.2	10.7	36.2	28.3	36.4	40.1
65 years and over	32	12	8	8	4	19.1	10.2	(1)	(1)	(1)	(1)
White, 16 years and over	8,299	3,457	2,300	1,249	1,293	14.4	7.2	50.6	41.7	25.2	30.6
Males	4,823	1,822	1,316	799	885	16.1	8.5	47.0	37.8	29.3	34.9
Females	3,476	1,634	984	450	408	12.0	5.8	54.9	47.0	20.2	24.7
Black and other, 16 years and over	2,587	1,086	643	385	473	15.9	7.5	47.9	42.0	27.7	33.2
Males	1,388	535	339	201	313	17.6	9.0	46.1	38.6	29.7	37.0
Females	1,199	550	304	184	160	13.8	6.0	49.7	45.9	25.6	28.7
Males, 16 years and over:											
Married, spouse present	2,462	771	685	451	556	18.3	10.7	35.8	31.3	39.8	40.9
Widowed, divorced, or separated	672	198	162	117	193	22.7	13.5	33.2	29.6	45.6	46.3
Single (never married)	3,077	1,388	808	432	449	13.6	6.2	55.9	45.1	20.2	28.6
Females, 16 years and over:											
Married, spouse present	1,757	695	548	264	250	13.8	7.7	48.7	39.6	26.1	29.3
Widowed, divorced, or separated	878	307	246	160	165	16.5	9.2	42.6	35.0	29.4	37.0
Single (never married)	2,040	1,182	495	210	153	9.5	4.3	61.5	58.0	15.3	17.8

¹ Percent not shown where base is less than 75,000.

A-19. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	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			June 1981	June 1982	June 1981	June 1982
	June 1982										
OCCUPATION											
White-collar workers	2,876	1,165	887	436	388	13.8	7.3	46.8	40.5	27.9	28.7
Professional and managerial	1,073	410	335	159	158	14.4	7.8	43.2	38.2	28.5	30.5
Sales workers	418	167	107	80	65	16.2	7.3	54.2	39.9	22.6	34.5
Clerical workers	1,385	588	445	198	155	12.6	7.0	47.5	42.4	29.0	25.5
Blue-collar workers	4,636	1,586	1,203	841	1,007	17.7	10.2	41.0	34.2	34.0	39.9
Craft and kindred workers	1,303	446	362	239	256	16.8	10.4	37.5	34.2	35.2	38.0
Operatives, except transport	1,918	633	502	373	411	17.3	10.5	40.1	33.0	35.4	40.8
Transport equipment operatives	469	161	114	82	112	20.2	10.1	38.9	34.3	34.9	41.4
Nonfarm laborers	946	346	225	147	228	18.7	9.7	47.3	36.6	33.0	39.6
Service workers	1,672	763	424	246	239	13.6	6.3	54.6	45.7	20.7	29.0
INDUSTRY¹											
Agriculture	227	102	68	27	31	11.5	6.1	69.4	44.7	18.8	25.4
Construction	928	343	225	166	194	18.1	10.9	39.9	36.9	35.2	38.8
Manufacturing	2,731	901	682	530	618	18.3	10.9	37.6	33.0	37.6	42.0
Durable goods	1,735	523	431	344	437	19.5	12.2	37.7	30.1	39.8	45.0
Nondurable goods	996	378	251	186	181	16.2	9.1	37.4	38.0	34.7	36.8
Transportation and public utilities	410	130	129	73	79	18.0	9.5	41.0	31.6	26.7	37.0
Wholesale and retail trade	2,120	884	614	341	281	13.6	6.8	49.9	41.7	24.4	29.3
Finance and service industries	2,328	1,010	677	316	327	13.3	6.7	50.1	43.4	24.8	27.6
Public administration	271	100	68	39	65	17.0	9.7	51.8	36.7	28.0	38.3
No previous work experience	1,539	956	375	96	112	9.0	4.0	68.3	62.1	9.9	13.5

¹ Includes wage and salary workers only.

A-20. Employed persons by industry, age, and sex

(In thousands)

Industry and age	Total		Males		Females	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
All industries	101,419	100,683	58,464	57,362	42,955	43,320
16 to 19 years	8,025	7,355	4,333	3,873	3,692	3,481
16 to 17 years	3,201	2,874	1,759	1,578	1,441	1,296
18 to 19 years	4,825	4,481	2,574	2,296	2,251	2,185
20 to 24 years	14,468	14,125	7,827	7,515	6,641	6,610
25 to 54 years	64,394	64,828	37,555	37,324	26,840	27,504
25 to 34 years	28,122	27,922	16,395	16,035	11,727	11,887
35 to 44 years	19,995	20,853	11,626	11,963	8,369	8,889
45 to 54 years	16,278	16,054	9,534	9,326	6,744	6,728
55 to 64 years	11,558	11,362	5,932	6,795	4,627	4,567
55 to 59 years	7,134	7,013	4,242	4,178	2,891	2,835
60 to 64 years	4,424	4,349	2,689	2,617	1,735	1,732
65 years and over	2,973	3,013	1,817	1,855	1,156	1,158
Nonagricultural industries	97,588	96,866	55,443	54,337	42,145	42,530
16 to 19 years	7,442	6,818	3,845	3,422	3,597	3,397
16 to 17 years	2,904	2,587	1,511	1,338	1,392	1,249
18 to 19 years	4,538	4,231	2,334	2,084	2,204	2,147
20 to 24 years	13,952	13,608	7,405	7,108	6,547	6,500
25 to 54 years	62,537	62,891	36,159	35,852	26,378	27,040
25 to 34 years	27,375	27,083	15,814	15,382	11,562	11,701
35 to 44 years	19,405	20,275	11,206	11,545	8,199	8,729
45 to 54 years	15,757	15,534	9,140	8,925	6,618	6,609
55 to 64 years	11,030	10,868	6,516	6,397	4,514	4,471
55 to 59 years	6,836	6,744	4,017	3,962	2,818	2,782
60 to 64 years	4,194	4,124	2,499	2,435	1,695	1,689
65 years and over	2,628	2,680	1,518	1,557	1,110	1,123
Agriculture	3,831	3,816	3,021	3,026	810	791
16 to 19 years	584	536	488	452	95	85
16 to 17 years	297	287	248	240	49	47
18 to 19 years	287	250	240	212	46	38
20 to 24 years	516	516	422	407	94	110
25 to 54 years	1,857	1,936	1,395	1,472	462	465
25 to 34 years	747	839	581	653	165	186
35 to 44 years	590	578	420	418	170	160
45 to 54 years	521	520	395	401	126	118
55 to 64 years	528	494	415	398	113	96
55 to 59 years	298	270	225	216	73	53
60 to 64 years	230	225	193	181	40	43
65 years and over	346	333	299	298	46	35

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A-21. Employed persons by occupation, sex, and age
 [In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 18-19 years		Females, 18-19 years	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
	TOTAL	101,419	100,683	54,130	53,489	39,263	39,839	4,333	3,873	3,692	3,481
White-collar workers	52,490	53,124	23,777	23,956	26,046	26,782	690	636	1,977	1,750
Professional and technical	15,960	16,593	8,873	9,232	6,888	7,200	88	92	111	69
Health workers	3,057	3,237	931	1,052	2,100	2,176	2	3	22	6
Teachers, except college	2,841	2,977	866	887	1,961	2,076	2	5	11	8
Other professional and technical	10,062	10,379	7,076	7,293	2,827	2,948	84	84	78	55
Managers and administrators, except farm	11,362	11,458	8,189	8,103	3,056	3,259	53	59	63	37
Salaried workers	9,401	9,575	6,726	5,722	2,562	2,763	52	58	63	33
Self-employed workers in retail trade	852	858	549	539	299	317	3	--	1	3
Self-employed workers, except retail trade	1,108	1,024	914	842	196	178	--	2	--	2
Sales workers	6,540	6,573	3,360	3,315	2,524	2,544	236	252	420	462
Retail trade	3,330	3,275	1,099	1,020	1,689	1,643	170	188	372	425
Other industries	3,210	3,298	2,261	2,296	834	901	67	64	48	37
Clerical workers	18,628	18,500	3,355	3,306	13,578	13,779	313	232	1,382	1,182
Stenographers, typists, and secretaries	5,079	4,778	73	52	4,637	4,465	10	9	359	252
Other clerical workers	13,549	13,722	3,282	3,254	8,941	9,314	303	223	1,023	930
Blue-collar workers	32,475	30,598	24,204	23,074	5,655	5,317	2,283	1,885	333	322
Craft and kindred workers	13,011	12,451	11,727	11,198	803	819	448	398	34	36
Carpenters	1,191	1,113	1,102	1,032	20	15	64	65	5	--
Construction craft workers, except carpenters	2,653	2,681	2,474	2,499	44	47	128	128	7	7
Mechanics and repairers	3,522	3,372	3,300	3,191	76	59	145	120	--	2
Metal craft workers	1,325	1,193	1,244	1,147	53	26	28	20	--	--
Blue-collar worker supervisors, not elsewhere classified	1,851	1,649	1,633	1,443	210	202	6	3	2	1
All other	2,471	2,444	1,974	1,887	400	470	77	61	19	26
Operatives, except transport	10,793	9,732	5,954	5,392	4,074	3,766	584	399	182	175
Durable goods manufacturing	4,788	4,054	3,017	2,529	1,552	1,401	154	86	55	39
Nondurable goods manufacturing	3,405	3,176	1,335	1,265	1,870	1,760	115	62	85	89
Other industries	2,600	2,502	1,602	1,597	652	605	305	253	42	47
Transport equipment operatives	3,519	3,438	3,091	3,047	271	255	144	123	12	12
Drivers, motor vehicles	2,963	2,970	2,585	2,615	245	236	120	107	13	12
All other	556	468	506	432	26	20	24	15	--	1
Nonfarm laborers	5,151	4,978	3,432	3,436	507	477	1,107	966	105	99
Construction	943	826	761	671	16	15	163	135	3	5
Manufacturing	1,137	894	841	692	149	136	113	57	5	9
Other industries	3,131	3,258	1,830	2,073	342	327	832	773	97	85
Service workers	13,356	13,934	4,041	4,382	7,011	7,216	985	984	1,320	1,351
Private household workers	1,030	1,028	28	15	779	752	11	9	212	252
Service workers, except private household	12,327	12,905	4,013	4,367	6,232	6,464	974	975	1,107	1,100
Food service workers	4,675	4,881	957	1,031	2,341	2,451	637	619	740	780
Protective service workers	1,451	1,550	1,283	1,364	137	154	25	30	6	1
All other	6,201	6,474	1,773	1,972	3,754	3,859	312	326	361	319
Farm workers	3,098	3,027	2,108	2,078	551	523	375	368	63	58
Farmers and farm managers	1,527	1,531	1,306	1,314	193	190	24	25	4	3
Farm laborers and supervisors	1,571	1,496	802	764	358	333	351	343	60	55
Paid workers	1,226	1,176	755	729	170	148	266	264	35	36
Unpaid family workers	345	319	48	35	188	186	85	79	24	20

A-22. Employed persons by occupation, race, and sex

[Percent distribution]

Occupation and race	Total		Males		Females	
	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982
TOTAL						
Total, 16 years and over (thousands)	131,419	100,683	58,464	57,362	42,955	43,320
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.8	52.8	41.9	42.9	65.2	65.9
Professional and technical	15.7	16.5	15.3	16.3	16.3	16.8
Managers and administrators, except farm	11.2	11.4	14.1	14.2	7.3	7.6
Sales workers	6.4	6.5	6.2	6.2	6.9	6.9
Clerical workers	18.4	18.4	6.3	6.2	34.8	34.5
Blue-collar workers	32.0	30.4	45.3	43.5	13.9	13.0
Craft and kindred workers	12.8	12.4	20.8	20.2	1.9	2.0
Operatives, except transport	10.6	9.7	11.2	10.1	9.9	9.1
Transport equipment operatives	3.5	3.4	5.5	5.5	.7	.6
Nonfarm laborers	5.1	4.9	7.8	7.7	1.4	1.3
Service workers	13.2	13.8	8.6	9.4	19.4	19.8
Private household workers	1.0	1.0	.1	(1)	2.3	2.3
Other service workers	12.2	12.8	8.5	9.3	17.1	17.5
Farm workers	3.1	3.0	4.2	4.3	1.4	1.3
Farmers and farm managers	1.5	1.5	2.3	2.3	.5	.4
Farm laborers and supervisors	1.5	1.5	2.0	1.9	1.0	.9
White						
Total, 16 years and over (thousands)	89,720	89,068	52,363	51,341	37,356	37,727
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.2	54.2	43.2	44.3	67.2	67.8
Professional and technical	16.0	16.8	15.6	16.7	16.4	16.9
Managers and administrators, except farm	12.0	12.2	14.9	15.1	7.8	8.1
Sales workers	6.9	7.0	6.6	6.6	7.4	7.5
Clerical workers	18.3	18.3	6.0	5.9	35.6	35.3
Blue-collar workers	31.6	30.0	44.7	42.9	13.3	12.4
Craft and kindred workers	13.3	12.9	21.3	20.8	2.0	2.1
Operatives, except transport	10.1	9.2	10.7	9.7	9.3	8.5
Transport equipment operatives	3.3	3.3	5.2	5.2	.7	.6
Nonfarm laborers	4.9	4.7	7.4	7.2	1.4	1.3
Service workers	12.0	12.6	7.7	8.4	17.9	18.4
Private household workers	.7	.8	.1	(1)	1.7	1.9
Other service workers	11.2	11.8	7.7	8.3	16.2	16.5
Farm workers	3.2	3.2	4.4	4.4	1.5	1.4
Farmers and farm managers	1.7	1.7	2.5	2.6	.5	.5
Farm laborers and supervisors	1.6	1.5	1.9	1.9	1.0	.9
Black and other						
Total, 16 years and over (thousands)	11,699	11,614	6,100	6,021	5,599	5,594
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	40.7	41.7	30.4	31.1	52.0	53.0
Professional and technical	14.1	14.3	12.6	12.5	15.6	16.2
Managers and administrators, except farm	5.3	5.5	6.9	6.8	3.6	4.0
Sales workers	2.8	3.2	2.6	3.1	3.0	3.3
Clerical workers	18.5	18.7	8.3	8.6	29.7	29.6
Blue-collar workers	35.0	33.3	50.7	48.4	17.9	17.0
Craft and kindred workers	9.3	8.3	16.4	14.9	1.6	1.2
Operatives, except transport	14.6	13.6	15.0	13.9	14.2	13.3
Transport equipment operatives	4.5	4.5	8.0	8.1	.7	.8
Nonfarm laborers	6.6	6.9	11.3	11.6	1.4	1.8
Service workers	22.5	23.3	16.2	17.8	29.3	29.1
Private household workers	3.1	2.4	.2	.1	6.2	5.0
Other service workers	19.4	20.8	16.0	17.7	23.1	24.2
Farm workers	1.8	1.8	2.7	2.7	.7	.8
Farmers and farm managers	.2	.2	.5	.4	(1)	.1
Farm laborers and supervisors	1.5	1.5	2.2	2.3	.7	.8

¹ Less than 0.05 percent.

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A-23. Employed persons by age, sex, and class of worker

[In thousands]

Age and sex	June 1982								
	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					
Total, 16 years and over	89,108	1,261	15,260	72,587	7,334	424	1,710	1,768	338
16 to 19 years	6,665	388	391	5,886	101	52	379	59	98
16 to 17 years	2,517	248	114	2,155	35	36	192	32	63
18 to 19 years	4,149	140	278	3,731	67	16	187	27	35
20 to 24 years	13,206	121	1,300	11,784	365	38	378	104	34
25 to 34 years	25,279	153	4,229	20,897	1,731	73	418	361	60
35 to 44 years	18,344	136	3,797	14,412	1,843	88	239	281	58
45 to 54 years	13,897	151	3,062	10,684	1,539	98	145	340	35
55 to 64 years	9,636	172	2,134	7,330	1,175	57	103	353	39
65 to 64 years	6,027	94	1,333	4,601	676	41	54	195	21
80 to 84 years	3,608	78	802	2,729	499	17	49	158	17
85 years and over	2,081	140	346	1,596	581	18	49	269	15
Males, 16 years and over	49,202	261	7,570	41,371	5,073	62	1,365	1,546	115
16 to 19 years	3,330	135	199	2,996	62	29	318	55	78
16 to 17 years	1,293	71	62	1,160	20	24	159	30	50
18 to 19 years	2,037	64	137	1,836	42	5	158	26	28
20 to 24 years	6,854	27	551	6,276	243	11	292	96	18
25 to 34 years	14,202	26	2,063	12,112	1,171	9	327	316	9
35 to 44 years	10,284	24	1,889	8,372	1,257	4	185	229	3
45 to 54 years	7,860	10	1,592	6,258	1,063	1	121	279	1
55 to 64 years	5,511	9	1,068	4,434	881	5	77	320	1
65 to 64 years	3,454	4	658	2,792	503	4	40	176	--
80 to 84 years	2,057	5	409	1,642	378	1	36	144	1
85 years and over	1,161	30	209	922	394	2	45	249	4
Females, 16 years and over	39,906	1,000	7,689	31,217	2,262	362	345	223	224
16 to 19 years	3,335	253	193	2,889	39	22	61	4	20
16 to 17 years	1,223	177	52	994	14	12	33	2	13
18 to 19 years	2,112	76	140	1,895	25	11	29	2	7
20 to 24 years	6,352	94	749	5,508	121	27	86	8	16
25 to 34 years	11,077	127	2,166	8,784	560	64	90	45	51
35 to 44 years	8,060	112	1,908	6,040	585	84	53	52	55
45 to 54 years	6,037	141	1,471	4,425	476	96	24	61	33
55 to 64 years	4,125	162	1,067	2,896	294	52	26	33	37
65 to 64 years	2,573	90	675	1,809	172	37	13	18	21
80 to 84 years	1,552	73	392	1,087	121	16	13	14	16
85 years and over	920	110	136	674	186	16	3	20	11

A-24. Employed persons by industry and occupation

[In thousands]

Industry	June 1982											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,816	100	33	11	85	78	16	39	413	--	8	3,027
Mining	1,061	221	125	4	123	219	294	48	16	--	10	--
Construction	6,082	202	753	27	493	3,321	253	176	826	--	32	--
Manufacturing	20,468	2,586	1,654	549	2,558	3,914	7,230	679	894	--	403	--
Durable goods	11,944	1,754	974	187	1,493	2,464	4,054	296	520	--	203	--
Nondurable goods	8,523	832	680	362	1,065	1,451	3,176	383	374	--	200	--
Transportation and public utilities	6,633	674	743	108	1,484	1,380	171	1,412	472	--	182	--
Wholesale and retail trade	21,084	469	3,987	4,289	3,730	1,487	904	810	1,277	--	4,131	--
Wholesale trade	4,219	159	923	1,014	834	381	193	407	278	--	30	--
Retail trade	16,864	310	3,064	3,275	2,896	1,106	711	403	998	--	4,101	--
Finance, insurance, and real estate	6,197	426	1,212	1,320	2,719	109	6	12	112	--	281	--
Services	29,969	10,851	2,247	259	5,440	1,656	793	212	792	1,028	6,692	--
Private households	1,351	9	--	--	10	16	7	4	235	1,028	42	--
Other service industries	28,618	10,842	2,247	259	5,430	1,640	786	208	557	--	6,650	--
Public administration	5,372	1,065	691	5	1,868	286	65	49	176	--	1,166	--

A-25. Employed persons with a job but not at work by reason, sex, and pay status

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	June 1981				June 1982		Paid absence ²		Unpaid absence^{2}
			June 1981	June 1982			June 1981	June 1982	June 1981	June 1982
Total, 16 years and over	6,889	6,373	6,763	6,257	3,567	3,517	2,611	2,204
Vacation	4,402	4,058	4,363	4,035	2,783	2,748	1,320	1,053
Illness	1,302	1,285	1,275	1,261	538	568	638	587
Bad weather	106	79	66	46	--	--	--	--
Industrial dispute	98	37	98	37	--	--	--	--
All other reasons	982	914	961	888	246	201	654	564
Males, 16 years and over	3,249	3,103	3,155	3,020	1,863	1,874	967	854
Vacation	1,921	1,865	1,889	1,847	1,411	1,434	341	304
Illness	744	710	730	695	330	347	337	293
All other reasons ³	584	529	536	478	122	92	289	257
Females, 16 years and over	3,640	3,271	3,608	3,247	1,704	1,642	1,644	1,350
Vacation	2,481	2,193	2,474	2,188	1,372	1,312	979	749
Illness	558	576	546	566	208	221	300	293
All other reasons ³	602	501	589	492	123	109	365	308

¹ Excludes private household workers.³ Includes bad weather and industrial dispute, not shown separately.² Pay status not available separately for bad weather and industrial disputes; these categories are included in "all other reasons."

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

A-26. Persons at work by hours of work and industry

Hours of work	June 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	94,309	90,599	3,710	100.0	100.0	100.0
1-34 hours	23,538	22,491	1,045	25.0	24.8	28.2
1-4 hours	746	694	52	.8	.8	1.4
5-14 hours	4,152	3,882	270	4.4	4.3	7.3
15-29 hours	11,531	11,062	468	12.2	12.2	12.6
30-34 hours	7,109	6,853	255	7.5	7.6	6.9
35 hours and over	70,772	68,109	2,664	75.0	75.2	71.8
35-39 hours	6,995	6,846	149	7.4	7.6	4.0
40 hours	41,384	40,798	587	43.9	45.0	15.8
41 hours and over	22,393	20,465	1,928	23.7	22.6	52.0
41 to 48 hours	8,370	8,139	231	8.9	9.0	6.2
49 to 60 hours	7,535	7,062	473	8.0	7.8	12.8
60 hours and over	6,488	5,264	1,224	6.9	5.8	33.0
Average hours, total at work	38.5	38.1	47.0	--	--	--
Average hours, workers on full-time schedules	43.0	42.5	55.6	--	--	--

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A-27. Persons at work 1 to 34 hours by reason for working less than 35 hours and usual status

(Numbers in thousands)

Reason for working less than 35 hours	June 1982					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	23,538	7,361	16,176	22,491	7,075	15,417
Economic reasons	6,746	2,472	4,274	6,415	2,376	4,039
Slack work	3,299	1,989	1,310	3,125	1,914	1,211
Material shortages or repairs to plant and equipment	73	73	--	69	69	--
New job started during week	286	286	--	277	277	--
Job terminated during week	125	125	--	117	117	--
Could find only part-time work	2,965	--	2,965	2,829	--	2,829
Other reasons	16,792	4,891	11,901	16,077	4,700	11,377
Does not want, or unavailable for, full-time work	9,685	--	9,685	9,304	--	9,304
Vacation	1,615	1,615	--	1,598	1,598	--
Illness	1,414	1,232	182	1,373	1,214	159
Bad weather	362	362	--	252	252	--
Industrial dispute	11	11	--	11	11	--
Legal or religious holiday	196	196	--	191	191	--
Full time for this job	1,520	--	1,520	1,447	--	1,447
All other reasons	1,989	1,474	515	1,903	1,435	468
Average hours:						
Economic reasons	21.7	24.8	19.9	21.8	24.9	20.0
Other reasons	21.4	26.3	19.4	21.5	26.4	19.4
Worked 30 to 34 hours:						
Economic reasons	2,092	1,152	940	2,015	1,111	904
Other reasons	5,017	2,709	2,308	4,838	2,635	2,203

A-28. Nonagricultural workers by industry and full- or part-time status

(Numbers in thousands)

Industry	June 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status						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, 16 years and over ¹	90,599	6,415	11,377	72,807	52,342	8,139	12,326	38.1	42.5	
Wage and salary workers	83,350	5,735	10,046	67,569	49,994	7,566	10,009	37.9	42.0	
Construction	4,635	443	169	4,023	3,016	431	576	39.0	41.7	
Manufacturing	18,975	1,066	558	17,351	13,103	2,203	2,045	40.2	41.7	
Durable goods	11,062	498	223	10,341	8,009	1,198	1,134	40.4	41.5	
Non-durable goods	7,914	568	336	7,010	5,094	1,005	911	39.8	41.9	
Transportation and public utilities	5,801	211	288	5,302	3,882	542	878	40.9	42.8	
Wholesale and retail trade	18,151	1,969	3,867	12,315	8,264	1,720	2,331	35.8	42.9	
Finance, insurance, and real estate	5,467	148	446	4,873	3,818	481	574	38.7	40.9	
Service industries	24,292	1,731	4,410	18,151	13,763	1,628	2,760	36.0	41.6	
Private households	1,224	304	519	401	270	34	97	23.9	45.2	
All other industries	23,058	1,427	3,891	17,750	13,493	1,594	2,663	36.6	41.5	
Public administration	5,070	114	298	4,658	3,626	446	586	40.0	41.8	
Self-employed workers	6,825	655	1,174	4,996	2,208	556	2,232	40.4	48.6	
Unpaid family workers	424	25	158	241	140	17	84	35.7	46.4	

¹ Includes mining, not shown separately.

A-29. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status

(Numbers in thousands)

Sex, age, race, and marital status	June 1982							
	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		
TOTAL								
Both sexes, 16 years and over	90,599	6,415	11,377	72,807	52,342	20,465	38.1	42.5
16 to 21 years	11,375	1,918	3,337	6,120	4,889	1,231	30.7	40.8
16 to 19 years	6,528	1,288	2,620	2,620	2,142	478	26.9	40.4
16 to 17 years	2,459	492	1,497	470	371	99	20.6	39.6
18 to 19 years	4,069	797	1,123	2,149	1,769	380	30.8	40.5
20 years and over	84,071	5,126	8,757	70,188	50,202	19,986	39.0	42.5
20 to 24 years	12,928	1,338	1,455	10,135	7,786	2,349	37.2	41.4
25 years and over	71,143	3,788	7,303	60,052	42,415	17,637	39.3	42.8
25 to 44 years	44,255	2,370	3,801	38,084	26,521	11,563	39.8	42.9
45 to 64 years	24,413	1,278	2,378	20,757	15,063	5,694	39.2	42.5
65 years and over	2,476	138	1,123	1,215	835	380	29.9	43.0
Males, 16 years and over	51,317	3,144	3,240	44,933	29,450	15,483	40.9	43.8
16 to 21 years	5,796	935	1,514	3,347	2,521	826	32.1	41.9
16 to 19 years	3,278	631	1,217	1,430	1,115	315	27.9	41.3
16 to 17 years	1,270	265	724	281	224	57	21.5	40.1
18 to 19 years	2,008	367	493	1,148	889	259	32.0	41.6
20 years and over	48,038	2,513	2,023	43,502	29,335	15,167	41.7	43.8
20 to 24 years	6,820	668	516	5,636	3,986	1,650	39.0	42.5
25 years and over	41,219	1,847	1,508	37,864	24,348	13,516	42.1	44.0
25 to 44 years	25,472	1,142	465	23,865	14,996	8,869	42.9	44.3
45 to 64 years	14,294	628	429	13,237	8,859	4,378	42.0	43.6
65 years and over	1,453	75	614	764	494	270	31.0	43.5
Females, 16 years and over	39,283	3,271	8,137	27,875	22,893	4,982	34.5	40.4
16 to 21 years	5,579	983	1,824	2,772	2,365	407	29.2	39.6
16 to 19 years	3,250	657	1,403	1,190	1,027	163	25.9	39.3
16 to 17 years	1,189	226	773	190	149	41	19.6	38.9
18 to 19 years	2,061	430	630	1,001	879	122	29.6	39.4
20 years and over	36,033	2,614	6,734	26,685	21,867	4,818	35.3	40.4
20 to 24 years	6,108	672	939	4,497	3,798	699	35.1	40.0
25 years and over	29,924	1,943	5,795	22,186	18,066	4,120	35.3	40.5
25 to 44 years	18,783	1,230	3,337	14,216	11,521	2,695	35.7	40.5
45 to 64 years	10,119	650	1,950	7,519	6,204	1,315	35.4	40.5
65 years and over	1,023	64	509	450	341	109	28.3	42.1
RACE								
White	80,043	5,420	10,463	64,160	45,133	19,027	38.2	42.7
Males	45,858	2,694	2,933	40,231	25,772	14,459	41.1	44.0
Females	34,185	2,725	7,530	23,930	19,361	4,569	34.4	40.5
Black and other	10,556	995	914	8,647	7,209	1,438	37.4	41.0
Males	5,458	450	307	4,701	3,677	1,024	39.0	41.9
Females	5,098	546	607	3,945	3,532	413	35.7	39.9
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,365	1,409	1,121	31,835	20,173	11,662	42.5	44.1
Widowed, divorced, or separated	4,407	297	232	3,878	2,541	1,337	41.3	44.1
Single (never married)	12,544	1,438	1,887	9,219	6,737	2,482	36.2	42.3
Females, 16 years and over:								
Married, spouse present	21,204	1,397	4,926	14,881	12,427	2,454	34.2	40.1
Widowed, divorced, or separated	7,703	597	978	6,128	4,802	1,326	37.0	41.0
Single (never married)	10,376	1,277	2,233	6,866	5,663	1,203	33.4	40.4

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A-30. Persons at work in nonfarm occupations by sex and full- or part-time status

[Numbers in thousands]

Occupation and sex	June 1982								
	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 40 hours	40 hours or more		
Total, 16 years and over	91,352	6,507	11,501	73,344	52,622	8,199	12,523	38.1	42.5
White-collar workers	49,520	1,955	6,309	41,256	28,923	4,400	7,933	38.9	42.7
Professional and technical	14,940	438	1,551	12,951	9,029	1,367	2,555	39.5	42.5
Managers and administrators, except farm	10,914	194	474	10,246	5,525	1,246	3,475	44.6	46.1
Sales workers	5,234	419	1,377	4,438	2,786	506	1,146	36.7	43.7
Clerical workers	17,431	902	2,908	13,621	11,583	1,281	757	35.7	39.9
Blue-collar workers	28,778	2,688	1,742	24,348	17,789	3,032	3,527	39.1	42.3
Craft and kindred workers	11,731	782	409	10,540	7,539	1,400	1,601	40.3	42.3
Operatives, except transport	9,191	899	419	7,873	6,202	905	766	38.8	41.3
Transport equipment operatives	3,100	243	204	2,653	1,536	368	749	41.9	45.6
Nonfarm laborers	4,756	764	710	3,282	2,512	358	412	34.6	41.8
Service workers	13,054	1,864	3,450	7,740	5,910	767	1,063	32.9	42.0
Private household	993	197	429	367	234	34	99	25.8	45.4
Other service workers	12,061	1,667	3,021	7,373	5,677	733	963	33.5	41.8
Males, 16 years and over	51,871	3,219	3,307	45,345	29,641	5,606	10,098	40.8	43.8
White-collar workers	23,313	599	1,218	21,496	12,710	2,606	6,180	42.9	44.9
Professional and technical	8,737	216	404	8,117	5,200	921	1,996	42.2	43.9
Managers and administrators, except farm	7,809	135	201	7,473	3,642	918	2,913	46.1	47.2
Sales workers	3,428	130	328	2,970	1,630	385	955	41.7	45.3
Clerical workers	3,339	117	285	2,937	2,240	381	316	39.0	41.4
Blue-collar workers	23,479	2,076	1,235	20,168	14,298	2,613	3,257	39.6	42.7
Craft and kindred workers	10,930	735	315	9,880	7,013	1,341	1,526	40.5	42.4
Operatives, except transport	5,453	433	193	4,827	3,603	602	622	40.0	42.2
Transport equipment operatives	2,891	218	134	2,539	1,461	355	723	42.6	45.8
Nonfarm laborers	4,205	690	593	2,922	2,222	315	385	34.8	41.9
Service workers	5,079	544	854	3,681	2,633	387	661	36.8	43.2
Private household	24	2	8	14	9	--	5	31.4	48.8
Other service workers	5,055	542	846	3,667	2,623	387	657	36.8	43.2
Females, 16 years and over	39,481	3,289	8,194	27,998	22,979	2,594	2,425	34.5	40.4
White-collar workers	26,207	1,356	5,091	19,760	16,211	1,795	1,754	35.3	40.3
Professional and technical	6,203	222	1,148	4,833	3,829	446	558	35.7	40.3
Managers and administrators, except farm	3,106	60	272	2,774	1,883	328	563	40.9	43.3
Sales workers	2,807	289	1,048	1,470	1,157	122	191	30.5	40.6
Clerical workers	14,092	786	2,623	10,683	9,342	900	441	34.9	39.5
Blue-collar workers	5,299	613	507	4,179	3,489	419	271	36.6	40.2
Craft and kindred workers	801	48	94	659	524	60	75	37.5	41.1
Operatives, except transport	3,738	466	226	3,046	2,599	303	144	37.2	39.9
Transport equipment operatives	209	25	70	114	74	14	26	32.1	42.6
Nonfarm laborers	551	74	118	359	290	43	26	33.3	41.0
Service workers	7,975	1,320	2,596	4,059	3,279	380	400	30.5	40.9
Private household	963	194	421	354	226	34	94	25.7	45.2
Other service workers	7,006	1,125	2,175	3,706	3,054	346	306	31.1	40.4

A-31. Employment status of 14- and 15-year-olds by sex and race

[Numbers in thousands]

Employment status	June 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,155	3,643	3,512	5,903	3,016	2,887	1,252	627	626
Civilian labor force	1,753	1,007	746	1,606	922	684	147	85	63
Employed	1,332	743	589	1,278	718	560	54	25	29
Agriculture	195	161	33	188	158	30	7	3	3
Nonagricultural industries	1,137	582	555	1,090	560	530	47	22	26
Unemployed	422	264	158	328	204	124	94	60	34
Unemployment rate	24.1	26.2	21.2	20.4	22.1	18.1	64.0	70.6	(1)
Not in labor force	5,402	2,636	2,766	4,297	2,094	2,203	1,105	542	563
Keeping house	190	23	167	157	19	138	33	4	29
Going to school	3,071	1,542	1,528	2,372	1,178	1,194	699	364	335
Unable to work	12	7	5	10	6	4	2	1	1
All other reasons	2,129	1,063	1,065	1,758	891	867	371	172	199

¹ Percent not shown where base is less than 75,000.

A-32. Employed 14- and 15-year-olds by class of worker, occupation, and sex

Class of worker and occupation	June 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,332	743	589	100.0	100.0	100.0
Nonagricultural industries	1,137	582	555	85.4	78.3	94.4
Wage and salary workers	1,024	498	526	76.9	67.0	89.5
Private household workers	485	154	331	36.4	20.7	56.3
Government workers	47	29	-18	3.5	3.9	3.1
Other wage and salary workers	492	315	177	37.0	42.4	30.1
Self-employed workers	88	69	19	6.6	9.3	3.2
Unpaid family workers	25	15	10	1.9	2.0	1.7
Agriculture	195	161	33	14.7	21.7	5.6
Wage and salary workers	96	81	15	7.2	10.9	2.6
Self-employed workers	31	29	2	2.3	3.9	.3
Unpaid family workers	67	51	16	5.0	6.9	2.7
OCCUPATION						
Total	1,332	743	589	100.0	100.0	100.0
White-collar workers	268	174	94	20.1	23.5	15.9
Professional and technical	17	9	8	1.3	1.2	1.4
Managers and administrators, except farm	1	--	2	.1	--	.3
Sales workers	184	138	46	13.8	18.6	7.8
Clerical workers	66	27	39	5.0	3.6	6.6
Blue-collar workers	347	319	28	26.1	43.0	4.7
Craft and kindred workers	21	18	3	1.6	2.4	.5
Operatives, except transport	19	15	3	1.4	2.0	.5
Transport equipment operatives	6	6	--	.5	.8	--
Nonfarm laborers	301	279	22	22.6	37.7	3.7
Service workers	567	129	438	42.6	17.4	74.2
Private household workers	343	18	325	25.8	2.4	55.1
Other service workers	224	110	114	16.8	14.8	19.3
Farm workers	150	122	28	11.3	16.5	4.7
Farmers and farm managers	3	1	2	.2	.1	.3
Farm laborers and supervisors	147	120	26	11.0	16.2	4.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted

[Numbers in thousands]

Employment status, sex, and age	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TOTAL													
Total noninstitutional population ¹	172,172	172,385	172,559	172,758	172,966	173,155	173,330	173,495	173,657	173,843	174,020	174,201	174,364
Armed Forces ¹	2,131	2,139	2,160	2,165	2,158	2,158	2,164	2,159	2,168	2,175	2,176	2,175	2,173
Civilian noninstitutional population ¹	170,042	170,246	170,399	170,593	170,809	170,996	171,166	171,335	171,489	171,667	171,844	172,026	172,190
Civilian labor force	108,434	108,688	108,818	108,494	109,012	109,272	109,184	108,879	109,165	109,346	109,648	110,666	110,191
Percent of civilian population	63.8	63.8	63.9	63.6	63.8	63.9	63.8	63.5	63.7	63.7	63.8	64.3	64.0
Employed	100,430	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764
Percent of total population	58.3	58.5	58.4	58.0	58.0	57.9	57.5	57.4	57.3	57.2	57.1	57.5	57.2
Agriculture	3,348	3,342	3,404	3,358	3,378	3,372	3,209	3,411	3,373	3,349	3,309	3,488	3,357
Nonagricultural industries	97,082	97,522	97,436	96,900	96,965	96,800	96,404	96,170	96,217	96,144	96,032	96,629	96,405
Unemployed	8,004	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427
Unemployment rate	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5
Not in labor force	61,608	61,558	61,581	62,099	61,797	61,724	61,982	62,456	62,324	62,321	62,197	61,360	61,999
Males, 20 years and over													
Total noninstitutional population ¹	74,045	74,164	74,268	74,382	74,502	74,610	74,714	74,810	74,906	75,015	75,121	75,227	75,323
Civilian noninstitutional population ¹	72,359	72,472	72,559	72,670	72,795	72,921	73,020	73,120	73,209	73,287	73,392	73,499	73,585
Civilian labor force	57,094	57,172	57,250	57,262	57,355	57,459	57,665	57,368	57,448	57,554	57,730	58,164	58,016
Percent of civilian population	78.9	78.9	78.9	78.8	78.8	78.8	79.0	78.5	78.5	78.5	78.7	79.1	78.8
Employed	53,597	53,874	53,791	53,693	53,504	53,354	53,122	53,047	53,097	53,006	52,988	53,260	52,985
Percent of total population	72.4	72.6	72.4	72.2	71.8	71.5	71.1	70.9	70.9	70.7	70.5	70.8	70.3
Agriculture	2,379	2,383	2,422	2,383	2,413	2,382	2,311	2,393	2,386	2,377	2,382	2,464	2,424
Nonagricultural industries	51,218	51,491	51,369	51,310	51,091	50,972	50,811	50,657	50,711	50,629	50,606	50,796	50,561
Unemployed	3,497	3,298	3,459	3,569	3,851	4,105	4,543	4,322	4,351	4,548	4,742	4,904	5,031
Unemployment rate	6.1	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7
Not in labor force	15,265	15,300	15,309	15,408	15,440	15,462	15,355	15,752	15,761	15,733	15,662	15,335	15,569
Females, 20 years and over													
Total noninstitutional population ¹	81,583	81,711	81,822	81,946	82,074	82,193	82,306	82,415	82,523	82,640	82,753	82,868	82,976
Civilian noninstitutional population ¹	81,434	81,561	81,671	81,792	81,920	82,038	82,151	82,260	82,367	82,478	82,591	82,707	82,811
Civilian labor force	42,581	42,682	42,666	42,344	42,831	42,987	42,888	42,868	43,031	43,243	43,301	43,683	43,904
Percent of civilian population	52.3	52.3	52.2	51.8	52.3	52.4	52.2	52.1	52.2	52.4	52.4	52.8	53.0
Employed	39,757	39,810	39,841	39,426	39,814	39,878	39,713	39,764	39,744	39,807	39,715	40,075	40,350
Percent of total population	48.7	48.7	48.7	48.1	48.5	48.5	48.3	48.2	48.2	48.2	48.0	48.4	48.6
Agriculture	585	590	609	608	596	635	572	649	628	636	601	634	581
Nonagricultural industries	39,172	39,220	39,232	38,818	39,218	39,243	39,141	39,115	39,116	39,172	39,114	39,441	39,769
Unemployed	2,824	2,872	2,825	2,918	3,017	3,109	3,175	3,104	3,286	3,435	3,586	3,608	3,554
Unemployment rate	6.6	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1
Not in labor force	38,853	38,879	39,005	39,448	39,089	39,051	39,263	39,392	39,336	39,235	39,290	39,024	38,907
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,544	16,510	16,469	16,429	16,390	16,351	16,310	16,269	16,228	16,188	16,146	16,106	16,065
Civilian noninstitutional population ¹	16,249	16,213	16,169	16,131	16,093	16,037	15,995	15,955	15,913	15,902	15,861	15,820	15,794
Civilian labor force	8,759	8,834	8,902	8,888	8,826	8,826	8,631	8,643	8,686	8,549	8,616	8,819	8,271
Percent of civilian population	53.9	54.5	55.1	55.1	54.8	55.0	54.0	54.2	54.6	53.8	54.3	55.7	52.4
Employed	7,076	7,180	7,208	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429
Percent of total population	42.8	43.5	43.8	43.5	42.9	42.4	41.6	41.6	41.6	41.3	41.1	42.1	40.0
Agriculture	384	369	373	367	369	355	326	373	359	336	326	390	353
Nonagricultural industries	6,692	6,811	6,835	6,772	6,656	6,585	6,452	6,398	6,389	6,343	6,311	6,392	6,076
Unemployed	1,683	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842
Unemployment rate	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3
Not in labor force	7,490	7,379	7,267	7,243	7,267	7,211	7,364	7,312	7,227	7,353	7,245	7,001	7,523

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

(Numbers in thousands)

Full- and part-time status	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FULL TIME													
Total, 16 years and over:													
Civilian labor force	92,526	92,971	92,778	92,801	93,359	93,607	93,856	93,129	93,421	93,860	93,890	94,619	93,984
Employed	85,949	86,606	86,378	86,044	86,155	86,062	85,729	85,324	85,523	85,505	85,289	85,903	85,112
Unemployed	6,577	6,365	6,400	6,757	7,204	7,545	8,127	7,805	7,897	8,355	8,601	8,717	8,873
Unemployment rate	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,924	15,808	16,071	15,662	15,690	15,721	15,399	15,853	15,632	15,470	15,836	15,911	16,167
Employed	14,462	14,337	14,525	14,160	14,198	14,125	13,982	14,337	13,951	13,926	14,112	14,237	14,584
Unemployed	1,462	1,471	1,546	1,502	1,492	1,596	1,417	1,515	1,681	1,544	1,724	1,674	1,583
Unemployment rate	9.2	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

A-35. Employment status by race, sex, and age, seasonally adjusted

(Numbers in thousands)

Race, sex, and age	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
WHITE													
Total, 16 years and over:													
Civilian labor force	94,887	95,126	95,163	94,884	95,365	95,535	95,329	95,120	95,333	95,508	96,015	96,641	96,223
Employed	88,799	89,170	89,221	88,628	88,734	88,498	88,310	87,955	87,990	87,956	87,988	88,450	88,173
Unemployed	6,088	5,956	5,942	6,256	6,631	7,037	7,319	7,165	7,344	7,552	8,026	8,191	8,050
Unemployment rate	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4
Males, 20 years and over:													
Civilian labor force	50,633	50,598	50,701	50,712	50,811	50,881	50,948	50,757	50,812	50,903	51,124	51,394	51,252
Employed	47,939	48,157	48,050	47,948	47,790	47,649	47,449	47,410	47,430	47,351	47,393	47,535	47,300
Unemployed	2,694	2,541	2,651	2,764	3,021	3,232	3,499	3,347	3,382	3,552	3,731	3,859	3,952
Unemployment rate	5.3	5.0	5.2	5.5	5.9	6.4	6.9	6.6	6.7	7.0	7.3	7.5	7.7
Females, 20 years and over:													
Civilian labor force	36,490	35,612	36,554	36,294	36,742	36,832	36,733	36,698	36,860	37,038	37,179	37,428	37,619
Employed	34,404	34,481	34,534	34,155	34,517	34,513	34,368	34,380	34,427	34,475	34,489	34,682	34,944
Unemployed	2,086	2,131	2,020	2,139	2,225	2,319	2,365	2,319	2,433	2,564	2,690	2,746	2,675
Unemployment rate	5.7	5.8	5.5	5.9	6.1	6.3	6.4	6.3	6.6	6.9	7.2	7.3	7.1
Both sexes, 16 to 19 years:													
Civilian labor force	7,764	7,816	7,908	7,878	7,812	7,822	7,648	7,665	7,662	7,567	7,712	7,819	7,352
Employed	6,456	6,532	6,637	6,525	6,427	6,336	6,193	6,166	6,133	6,130	6,106	6,233	5,929
Unemployed	1,308	1,284	1,271	1,353	1,385	1,486	1,455	1,499	1,529	1,437	1,606	1,586	1,423
Unemployment rate	16.8	16.4	16.1	17.2	17.7	19.0	19.0	19.6	20.0	19.0	20.8	20.3	19.4
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	13,565	13,539	13,632	13,617	13,697	13,757	13,773	13,704	13,857	13,810	13,768	14,097	13,947
Employed	11,643	11,672	11,624	11,607	11,611	11,561	11,610	11,632	11,653	11,515	11,446	11,669	11,560
Unemployed	1,922	1,867	2,008	2,010	2,086	2,096	2,163	2,072	2,204	2,294	2,322	2,429	2,387
Unemployment rate	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1
Males, 20 years and over:													
Civilian labor force	6,479	6,484	6,556	6,551	6,573	6,595	6,614	6,563	6,649	6,620	6,704	6,759	6,762
Employed	5,682	5,722	5,745	5,715	5,711	5,694	5,647	5,630	5,688	5,622	5,667	5,709	5,688
Unemployed	797	762	811	836	862	901	967	933	961	998	1,037	1,050	1,075
Unemployment rate	12.3	11.8	12.4	12.8	13.1	13.7	14.6	14.2	14.5	15.1	15.5	15.5	15.9
Females, 20 years and over:													
Civilian labor force	6,081	6,062	6,087	6,085	6,096	6,147	6,163	6,152	6,163	6,199	6,145	6,324	6,273
Employed	5,340	5,321	5,313	5,281	5,301	5,359	5,355	5,388	5,338	5,321	5,248	5,407	5,387
Unemployed	741	741	774	804	795	788	808	764	826	878	897	917	887
Unemployment rate	12.2	12.2	12.7	13.2	13.0	12.8	13.1	12.4	13.4	14.2	14.6	14.5	14.1
Both sexes, 16 to 19 years:													
Civilian labor force	1,005	993	989	981	1,028	1,015	996	989	1,044	991	919	1,014	912
Employed	621	629	566	611	599	608	608	614	627	573	531	553	486
Unemployed	384	364	423	370	429	407	388	375	417	418	388	461	426
Unemployment rate	38.2	36.7	42.8	37.7	41.7	40.1	39.0	37.9	39.9	42.2	42.2	45.5	46.7

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTIC													
Total (all civilian workers)	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5
Males, 20 years and over	6.1	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7
Females, 20 years and over	6.6	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1
Both sexes, 16-18 years	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3
White	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4
Black and other	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1
Married men, spouse present	4.2	3.9	4.0	4.4	4.8	5.2	5.7	5.3	5.3	5.5	6.0	6.1	6.5
Married women, spouse present	5.7	5.7	5.5	6.0	6.1	6.5	6.6	6.2	7.0	7.1	7.8	7.4	7.0
Women who maintain families	10.7	11.2	10.1	10.7	10.6	10.8	10.5	10.4	10.2	10.6	11.5	11.8	12.4
Full-time workers	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4
Part-time workers	9.2	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8
Unemployed 15 weeks and over ¹	2.2	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.5	2.7	2.7	3.0	3.3
Labor force time lost ²	7.9	7.9	7.9	8.5	9.1	9.5	10.1	10.0	9.8	10.4	10.4	11.1	10.2
OCCUPATION													
White-collar workers	3.9	4.0	3.9	4.1	4.1	4.2	4.5	4.2	4.6	4.8	4.9	4.8	5.0
Professional and technical	2.8	2.8	2.5	2.8	2.6	2.7	3.4	2.9	3.1	3.2	3.2	3.3	3.3
Managers and administrators, except farm	2.7	2.6	2.7	2.7	2.8	3.0	3.1	2.7	3.1	3.0	3.3	3.5	3.8
Sales workers	4.3	4.9	4.7	5.0	4.9	5.0	4.9	4.5	4.8	5.8	5.6	5.2	5.8
Clerical workers	5.4	5.7	5.7	5.8	6.0	6.0	6.2	6.3	6.7	6.9	7.2	6.8	6.9
Blue-collar workers	9.8	9.5	9.5	10.2	10.9	11.8	12.7	12.5	12.5	12.9	13.7	13.5	13.9
Craft and kindred workers	7.1	6.9	7.0	7.7	8.3	8.5	9.3	9.0	8.4	9.1	9.6	9.4	10.3
Operatives, except transport	11.1	11.1	11.1	11.6	12.8	14.1	15.5	15.4	15.4	15.9	16.9	16.5	16.7
Transport equipment operatives	8.1	7.3	8.0	8.7	8.0	10.4	10.5	10.2	10.3	10.4	10.7	11.8	13.0
Nonfarm laborers	14.7	14.4	13.2	14.6	15.6	16.0	16.9	16.9	17.9	17.9	19.2	18.3	17.9
Service workers	8.9	8.0	8.9	9.0	9.3	9.7	9.6	9.2	9.8	10.2	11.1	11.3	9.9
Farm workers	6.2	4.8	5.4	4.0	6.2	6.2	6.4	6.9	4.9	5.4	5.8	8.3	7.2
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.4	7.2	7.3	7.7	8.1	8.4	9.1	8.8	9.0	9.5	9.9	9.9	10.0
Construction	16.1	15.2	16.2	16.3	17.6	17.8	18.1	18.7	18.1	17.9	19.4	18.8	19.2
Manufacturing	7.4	7.3	7.0	7.9	8.6	9.4	11.0	10.4	10.6	10.8	11.3	11.6	12.3
Durable goods	7.1	7.1	6.5	7.7	8.6	9.5	11.8	11.0	11.3	10.8	11.9	12.2	13.2
Nondurable goods	7.9	7.6	7.9	8.3	8.6	9.3	9.6	9.5	9.5	10.8	10.5	10.7	11.0
Transportation	4.9	4.1	4.8	4.2	4.8	5.5	6.0	6.4	5.9	5.6	7.0	6.5	6.9
Wholesale and retail trade	7.7	7.9	7.9	8.5	8.4	8.6	8.9	8.7	9.0	10.3	10.1	10.6	9.7
Finance and service industries	5.8	5.7	5.7	6.0	6.2	6.1	6.4	5.9	6.5	6.9	7.0	6.9	6.8
Government workers	4.6	4.6	4.5	4.7	4.7	5.2	5.0	4.8	5.2	4.9	5.3	5.0	4.6
Agricultural wage and salary workers	13.3	10.7	12.0	11.0	13.4	14.1	14.8	16.2	12.8	14.0	14.6	18.2	16.3

¹ Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

A-37. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
DURATION													
Less than 5 weeks	3,303	3,323	3,326	3,529	3,707	3,852	4,037	3,852	3,789	3,825	3,958	3,874	3,543
5 to 14 weeks	2,423	2,312	2,469	2,585	2,686	2,882	3,016	3,068	3,052	3,078	3,304	3,320	3,458
15 weeks and over	2,363	2,170	2,217	2,248	2,292	2,364	2,372	2,399	2,724	2,954	3,015	3,286	3,673
15 to 26 weeks	1,227	1,096	1,078	1,146	1,166	1,229	1,189	1,210	1,445	1,605	1,508	1,634	1,826
27 weeks and over	1,136	1,074	1,139	1,102	1,126	1,135	1,183	1,190	1,278	1,349	1,507	1,652	1,847
Average (mean) duration, in weeks	14.3	14.1	14.3	13.7	13.6	13.1	12.8	13.5	14.1	13.9	14.2	14.6	16.5
Median duration, in weeks	6.7	7.0	7.0	6.9	6.8	6.9	6.7	7.2	7.3	7.6	8.5	9.0	9.8
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	40.8	42.6	41.5	42.2	42.7	42.3	42.8	41.3	39.6	38.8	38.5	37.0	33.2
5 to 14 weeks	30.0	29.6	30.8	30.9	30.9	31.7	32.0	32.9	31.9	31.2	32.1	31.7	32.4
15 weeks and over	29.2	27.8	27.7	26.9	26.4	26.0	25.2	25.7	28.5	30.0	29.3	31.4	34.4
15 to 26 weeks	15.2	14.0	13.5	13.7	13.4	13.5	12.6	13.0	15.1	16.3	14.7	15.6	17.1
27 weeks and over	14.0	13.8	14.2	13.2	13.0	12.5	12.6	12.8	13.4	13.7	14.7	15.8	17.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-38. Unemployment rates by sex and age, seasonally adjusted

Sex and age	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5
16 to 19 years	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3
16 to 17 years	22.6	19.8	20.8	21.4	21.5	22.6	21.9	21.9	22.7	22.7	24.6	25.3	23.7
18 to 19 years	17.5	17.8	17.6	18.5	20.0	20.5	21.2	21.3	22.0	21.3	21.9	21.3	21.9
20 to 24 years	12.1	11.5	12.1	12.3	12.7	13.0	13.5	13.5	14.1	14.2	14.7	14.3	14.4
25 years and over	5.3	5.2	5.2	5.4	5.7	5.0	6.5	6.3	6.4	6.8	7.0	7.1	7.4
25 to 54 years	5.6	5.5	5.5	5.8	6.2	6.5	6.9	6.7	6.8	7.3	7.4	7.7	7.7
55 years and over	3.5	3.5	3.5	3.8	3.8	3.8	4.1	4.2	4.3	4.6	5.0	4.8	5.4
Males, 16 years and over	7.2	6.7	7.1	7.3	7.7	8.3	9.0	8.6	8.7	9.0	9.4	9.6	9.7
16 to 19 years	20.0	18.8	19.8	19.9	20.1	21.8	22.3	22.1	22.5	23.5	24.4	24.0	24.2
16 to 17 years	24.0	19.9	21.5	21.5	21.1	22.7	22.6	23.0	23.0	24.3	24.7	26.3	25.8
18 to 19 years	18.2	17.9	18.3	18.7	19.3	21.0	22.2	21.4	22.1	22.9	24.3	21.9	24.0
20 to 24 years	12.9	11.6	12.9	13.1	13.8	14.4	14.8	14.9	15.4	15.7	16.0	15.5	15.8
25 years and over	5.0	4.7	4.9	5.0	5.5	5.8	6.5	6.3	6.3	6.6	6.9	6.9	7.5
25 to 54 years	5.2	5.0	5.2	5.5	5.9	6.3	6.9	6.7	6.7	7.1	7.2	7.5	8.0
55 years and over	3.4	3.4	3.4	3.5	3.7	3.7	4.4	4.3	4.2	4.8	5.1	4.7	5.0
Females, 16 years and over	7.7	7.8	7.7	8.0	8.2	8.4	8.5	8.4	8.9	9.0	9.4	9.5	9.1
16 to 19 years	18.4	18.6	18.2	19.5	20.7	20.9	20.5	21.2	22.1	20.1	21.3	22.1	20.2
16 to 17 years	21.1	19.7	20.0	21.2	21.9	22.5	21.1	20.6	22.5	20.8	24.5	24.1	21.4
18 to 19 years	16.8	17.7	16.9	18.3	20.6	19.9	20.0	21.1	21.9	19.6	19.4	20.6	19.7
20 to 24 years	11.2	11.3	11.1	11.4	11.5	11.3	12.0	11.9	12.7	12.6	13.3	12.9	12.9
25 years and over	5.7	5.8	5.6	6.0	6.1	6.4	6.4	6.3	6.5	7.0	7.2	7.4	7.2
25 to 54 years	6.1	6.1	6.0	6.3	6.5	6.8	6.9	6.7	7.0	7.6	7.7	8.0	7.4
55 years and over	3.5	3.7	3.7	4.3	4.0	3.8	3.7	4.1	4.3	4.3	4.8	5.0	6.0

A-39. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason for unemployment	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEEMPLOYED													
Both sexes, 16 years and over:													
Job losers	4,173	3,867	4,106	4,426	4,573	4,905	5,343	5,205	5,153	5,622	5,906	5,901	6,302
On layoff	1,302	1,225	1,276	1,452	1,631	1,826	2,042	1,860	1,740	1,828	1,946	1,969	2,071
Other job losers	2,871	2,642	2,830	2,974	2,942	3,079	3,301	3,345	3,413	3,794	3,959	3,932	4,231
Job leavers	896	926	879	921	976	916	923	835	964	885	937	874	813
Reentrants	2,039	2,078	2,034	2,058	2,178	2,339	2,244	2,079	2,277	2,249	2,365	2,438	2,372
New entrants	973	940	971	977	1,002	996	1,021	1,055	1,100	1,044	1,081	1,154	1,088
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	51.6	49.5	51.4	52.8	52.4	53.6	56.1	56.7	54.3	57.4	57.4	56.9	59.6
On layoff	16.1	15.7	16.0	17.3	18.7	19.9	21.4	20.3	18.3	18.7	18.9	19.0	19.6
Other job losers	35.5	33.8	35.4	35.5	33.7	33.6	34.6	36.5	35.9	38.7	38.5	37.9	40.0
Job leavers	11.1	11.9	11.0	11.0	11.2	10.0	9.7	9.1	10.2	9.0	9.1	8.4	7.7
Reentrants	25.2	26.6	25.5	24.6	25.0	25.5	23.5	22.7	24.0	22.9	23.0	23.5	22.4
New entrants	12.0	12.0	12.2	11.7	11.5	10.9	10.7	11.5	11.6	10.7	10.5	11.1	10.3
UNEEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.8	3.6	3.8	4.1	4.2	4.5	4.9	4.8	4.7	5.1	5.4	5.3	5.7
Job leavers .....	.8	.9	.8	.8	.9	.8	.8	.8	.9	.8	.9	.8	.7
Reentrants	1.9	1.9	1.9	1.9	2.0	2.1	2.1	1.9	2.1	2.1	2.2	2.2	2.2
New entrants .....	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-40. Employed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	100,430	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764
16 to 19 years	7,076	7,180	7,208	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429
16 to 17 years	2,709	2,835	2,840	2,836	2,769	2,768	2,703	2,705	2,690	2,642	2,610	2,629	2,389
18 to 19 years	4,350	4,326	4,345	4,326	4,260	4,192	4,088	4,065	4,067	4,060	4,027	4,167	4,013
20 to 24 years	14,094	14,264	14,194	14,086	14,078	13,970	13,935	13,816	13,788	13,811	13,730	13,820	13,778
25 years and over	79,330	79,464	79,453	79,028	79,228	79,202	78,881	78,960	79,045	78,978	78,973	79,509	79,598
25 to 54 years	64,754	64,930	65,014	64,676	64,829	64,868	64,567	64,722	64,853	64,648	64,670	65,069	65,197
55 years and over	14,542	14,535	14,471	14,372	14,377	14,337	14,332	14,282	14,158	14,299	14,298	14,449	14,379
Males, 16 years and over	57,279	57,640	57,551	57,471	57,266	57,051	56,725	56,629	56,658	56,472	56,401	56,820	56,223
16 to 19 years	3,682	3,766	3,760	3,778	3,762	3,697	3,603	3,582	3,561	3,466	3,412	3,560	3,238
16 to 17 years	1,412	1,498	1,501	1,533	1,522	1,495	1,448	1,446	1,439	1,387	1,385	1,417	1,237
18 to 19 years	2,260	2,261	2,257	2,266	2,241	2,208	2,163	2,134	2,123	2,094	2,020	2,158	1,985
20 to 24 years	7,483	7,646	7,562	7,523	7,449	7,373	7,380	7,321	7,288	7,246	7,208	7,281	7,194
25 years and over	46,168	46,253	46,244	46,160	46,046	45,940	45,709	45,686	45,786	45,762	45,782	45,967	45,838
25 to 54 years	37,448	37,507	37,565	37,519	37,406	37,364	37,092	37,127	37,235	37,173	37,194	37,351	37,227
55 years and over	8,729	8,736	8,679	8,658	8,621	8,590	8,608	8,582	8,523	8,578	8,591	8,641	8,629
Females, 16 years and over	43,151	43,224	43,289	42,787	43,077	43,121	42,888	42,952	42,932	43,020	42,940	43,297	43,541
16 to 19 years	3,394	3,414	3,448	3,361	3,263	3,243	3,175	3,189	3,187	3,213	3,225	3,222	3,191
16 to 17 years	1,297	1,337	1,339	1,303	1,247	1,273	1,255	1,259	1,251	1,255	1,225	1,212	1,152
18 to 19 years	2,090	2,065	2,088	2,060	2,019	1,984	1,925	1,931	1,944	1,966	2,007	2,009	2,028
20 to 24 years	6,611	6,618	6,632	6,563	6,569	6,597	6,555	6,495	6,500	6,565	6,523	6,539	6,584
25 years and over	33,162	33,211	33,209	32,868	33,182	33,262	33,172	33,274	33,259	33,216	33,192	33,542	33,760
25 to 54 years	27,306	27,423	27,449	27,157	27,423	27,504	27,475	27,595	27,618	27,475	27,476	27,718	27,970
55 years and over	5,813	5,799	5,792	5,714	5,756	5,747	5,724	5,701	5,635	5,721	5,707	5,808	5,750

A-41. Unemployed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	8,004	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427
16 to 19 years	1,683	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842
16 to 17 years	791	699	746	772	757	808	759	760	792	775	851	891	742
18 to 19 years	924	938	931	983	1,062	1,080	1,098	1,098	1,149	1,099	1,130	1,126	1,126
20 to 24 years	1,942	1,847	1,949	1,972	2,054	2,088	2,168	2,271	2,271	2,293	2,374	2,303	2,321
25 years and over	4,398	4,324	4,328	4,540	4,828	5,091	5,481	5,282	5,401	5,748	5,962	6,095	6,326
25 to 54 years	3,845	3,786	3,819	4,010	4,255	4,536	4,804	4,649	4,756	5,066	5,186	5,428	5,474
55 years and over	522	534	526	572	574	562	620	624	630	691	752	732	824
Males, 16 years and over	4,415	4,171	4,385	4,506	4,798	5,133	5,578	5,338	5,384	5,610	5,846	6,029	6,065
16 to 19 years	918	873	926	937	947	1,028	1,035	1,016	1,033	1,062	1,104	1,125	1,034
16 to 17 years	445	372	411	421	408	438	424	433	429	445	454	506	429
18 to 19 years	502	494	505	521	537	587	616	581	604	621	647	606	628
20 to 24 years	1,106	1,005	1,120	1,131	1,194	1,245	1,278	1,284	1,324	1,346	1,377	1,333	1,347
25 years and over	2,405	2,292	2,361	2,455	2,670	2,834	3,199	3,055	3,071	3,247	3,383	3,422	3,726
25 to 54 years	2,065	1,990	2,067	2,173	2,346	2,522	2,762	2,662	2,675	2,820	2,895	3,031	3,225
55 years and over	311	310	303	317	333	333	397	383	377	431	461	428	457
Females, 16 years and over	3,589	3,653	3,593	3,730	3,871	3,967	3,993	3,960	4,191	4,243	4,461	4,520	4,362
16 to 19 years	765	781	768	812	854	858	818	856	905	808	875	912	808
16 to 17 years	346	327	335	351	349	370	335	327	363	330	397	385	313
18 to 19 years	422	444	426	462	525	493	482	517	545	478	483	520	498
20 to 24 years	836	842	829	841	860	843	890	877	947	947	998	969	974
25 years and over	1,993	2,032	1,967	2,085	2,158	2,257	2,282	2,228	2,330	2,501	2,578	2,673	2,600
25 to 54 years	1,780	1,796	1,752	1,837	1,909	2,014	2,042	1,987	2,081	2,246	2,291	2,397	2,249
55 years and over	211	224	223	255	241	229	223	241	253	260	291	304	367

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-42. Employed persons by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTIC													
Total, 16 years and over	100430	100864	100840	100258	100343	100172	99,613	99,581	99,590	99,492	99,340	100117	99,764
Married men, spouse present	38,930	38,961	38,961	38,855	38,746	38,553	38,342	38,234	38,255	38,181	38,142	38,312	38,354
Married women, spouse present	24,106	24,159	24,043	23,626	23,874	23,820	23,691	23,744	23,727	23,900	23,831	24,213	24,401
OCCUPATION													
Whites-collar workers	52,957	52,907	53,141	52,908	53,199	53,086	53,084	52,836	52,841	52,763	53,177	53,705	53,586
Professional and technical	16,410	16,364	16,621	16,598	16,681	16,657	16,774	16,803	16,612	16,659	16,844	16,818	17,053
Managers and administrators, except farm	11,411	11,578	11,460	11,533	11,616	11,461	11,424	11,091	11,253	11,311	11,501	11,541	11,504
Sales workers	6,513	6,373	6,490	6,441	6,400	6,418	6,450	6,520	6,544	6,637	6,603	6,587	6,547
Clerical workers	18,623	18,592	18,570	18,336	18,502	18,550	18,436	18,423	18,432	18,155	18,229	18,759	18,482
Blue-collar workers	31,538	31,580	31,611	31,266	30,953	30,683	30,344	30,203	30,309	30,416	29,924	29,926	29,716
Craft and kindred workers	12,749	12,787	12,724	12,514	12,446	12,411	12,446	12,370	12,454	12,511	12,492	12,316	12,207
Operatives, except transport	10,703	10,719	10,658	10,524	10,410	10,220	10,169	9,966	9,955	9,860	9,688	9,585	9,655
Transport equipment operatives	3,493	3,526	3,530	3,506	3,580	3,438	3,368	3,415	3,503	3,397	3,400	3,419	3,414
Nonfarm laborers	4,593	4,548	4,699	4,722	4,517	4,614	4,361	4,451	4,397	4,648	4,343	4,607	4,441
Service workers	13,214	13,526	13,282	13,391	13,525	13,670	13,639	13,709	13,612	13,526	13,555	13,738	13,791
Farm workers	2,710	2,727	2,753	2,743	2,770	2,802	2,660	2,817	2,787	2,710	2,623	2,731	2,660
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,437	1,495	1,501	1,461	1,502	1,436	1,352	1,377	1,426	1,416	1,423	1,541	1,431
Self-employed workers	1,664	1,593	1,638	1,643	1,631	1,641	1,602	1,674	1,596	1,644	1,664	1,698	1,676
Unpaid family workers	263	244	256	256	261	321	228	380	359	277	270	236	251
Nonagricultural industries:													
Wage and salary workers	89,508	89,971	89,995	89,376	89,460	89,238	88,991	88,759	88,586	88,526	88,322	89,051	88,606
Government	15,707	15,637	15,526	15,475	15,491	15,397	15,585	15,578	15,527	15,492	15,453	15,422	15,635
Private industries	73,801	74,334	74,469	73,901	73,969	73,841	73,406	73,181	73,059	73,034	72,869	73,629	72,970
Private households	1,177	1,216	1,259	1,102	1,162	1,204	1,291	1,248	1,161	1,225	1,192	1,202	1,201
Other industries	72,624	73,118	73,210	72,799	72,807	72,637	72,115	71,932	71,898	71,809	71,677	72,427	71,770
Self-employed workers	7,128	7,071	7,103	7,217	7,152	7,141	7,057	6,971	7,055	7,126	7,264	7,269	7,319
Unpaid family workers	376	389	387	399	451	425	410	410	408	434	413	382	397
PERSONS AT WORK¹													
Nonagricultural industries	91,500	92,532	91,569	90,878	91,384	91,323	90,922	90,125	90,892	90,548	90,596	91,282	91,020
Full-time schedules	74,693	75,620	74,467	73,794	73,886	73,915	73,360	72,803	73,028	72,649	72,335	73,036	72,662
Part-time for economic reasons	4,033	4,374	4,350	4,656	5,009	5,026	5,288	5,071	5,563	5,717	5,834	5,763	5,444
Usually work full-time	1,465	1,680	1,729	1,759	2,006	1,945	2,121	1,783	2,193	2,237	2,223	2,211	2,064
Usually work part-time	2,568	2,694	2,621	2,897	3,003	3,081	3,167	3,287	3,370	3,480	3,611	3,552	3,380
Part time for noneconomic reasons	12,774	12,538	12,752	12,428	12,489	12,382	12,274	12,251	12,300	12,183	12,427	12,483	12,914

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

HOUSEHOLD DATA

A-43. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	June 1981	June 1982	
VETERANS										
Total, 25 years and over	8,541	8,688	8,103	8,178	7,681	7,472	422	706	5.2	8.6
25 to 39 years	7,320	7,151	7,052	6,847	6,662	6,214	390	633	5.5	9.2
25 to 29 years	1,497	1,227	1,409	1,134	1,270	938	139	196	9.9	17.3
30 to 34 years	3,340	2,953	3,235	2,833	3,068	2,594	167	239	5.2	8.4
35 to 39 years	2,483	2,971	2,408	2,880	2,324	2,682	84	198	3.5	6.9
40 years and over	1,221	1,537	1,051	1,331	1,019	1,258	32	73	3.0	5.5
NONVETERANS										
Total, 25 to 39 years	17,179	18,174	16,266	17,285	15,306	15,745	960	1,540	5.9	8.9
25 to 29 years	7,845	8,155	7,429	7,722	6,914	6,900	515	822	6.9	10.6
30 to 34 years	5,473	5,947	5,196	5,702	4,905	5,233	291	469	5.6	8.2
35 to 39 years	3,861	4,072	3,641	3,861	3,487	3,612	154	249	4.2	6.4

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted

[Numbers in thousands]

Employment status, sex, age, and race	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total noninstitutional population ¹	166,540	167,287	168,146	168,848	169,506	170,222	170,816	171,403	171,966	172,567	173,150	173,665	174,195
Armed Forces ¹	2,079	2,088	2,091	2,086	2,091	2,111	2,121	2,124	2,129	2,155	2,160	2,168	2,175
Civilian noninstitutional population ¹ ...	164,461	165,200	166,055	166,762	167,415	168,111	168,693	169,279	169,837	170,413	170,990	171,497	172,020
Civilian labor force.....	104,316	105,264	105,972	106,454	106,771	107,204	107,523	108,107	108,835	108,667	109,156	109,130	110,168
Percent of civilian population.....	63.4	63.7	63.8	63.8	63.8	63.8	63.7	63.9	64.1	63.8	63.8	63.6	64.0
Employed.....	98,349	99,112	99,653	99,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740
Percent of total population.....	59.1	59.2	59.3	59.1	58.4	58.2	58.2	58.4	58.6	58.3	57.8	57.3	57.3
Agriculture.....	3,294	3,371	3,377	3,374	3,331	3,349	3,406	3,378	3,408	3,368	3,320	3,378	3,385
Nonagricultural industries.....	95,055	95,741	96,275	96,411	95,622	95,657	96,092	96,747	97,377	97,286	96,723	96,177	96,355
Unemployed.....	5,967	6,152	6,319	6,670	7,818	8,198	8,025	7,982	8,050	8,013	9,113	9,576	10,428
Unemployment rate.....	5.7	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5
Males, 20 years and over													
Total noninstitutional population ¹	71,179	71,548	71,964	72,293	72,620	72,984	73,309	73,609	73,928	74,272	74,609	74,910	75,224
Civilian noninstitutional population ¹ ...	69,516	69,867	70,291	70,640	70,963	71,313	71,634	71,946	72,251	72,567	72,912	73,205	73,492
Civilian labor force.....	55,378	55,753	55,958	56,221	56,404	56,602	56,770	56,882	57,243	57,228	57,493	57,457	57,970
Percent of civilian population.....	79.7	79.8	79.6	79.6	79.5	79.4	79.3	79.1	79.2	78.9	78.9	78.5	78.9
Employed.....	53,183	53,437	53,498	53,478	52,887	52,849	53,211	53,448	53,767	53,786	53,327	53,050	53,078
Percent of total population.....	74.7	74.7	74.3	74.0	72.8	72.4	72.6	72.6	72.4	72.4	71.5	70.8	70.6
Agriculture.....	2,345	2,405	2,431	2,449	2,374	2,372	2,391	2,370	2,396	2,396	2,369	2,384	2,423
Nonagricultural industries.....	50,838	51,032	51,067	51,029	50,514	50,477	50,820	51,073	51,371	51,390	50,958	50,666	50,654
Unemployed.....	2,195	2,316	2,461	2,743	3,517	3,753	3,559	3,435	3,476	3,442	4,166	4,407	4,892
Unemployment rate.....	4.0	4.2	4.4	4.9	6.2	6.6	6.3	6.0	6.1	6.0	7.2	7.7	8.4
Females, 20 years and over													
Total noninstitutional population ¹	78,394	78,799	79,248	79,631	79,998	80,400	80,754	81,108	81,458	81,826	82,191	82,526	82,866
Civilian noninstitutional population ¹ ...	78,282	78,679	79,126	79,506	79,869	80,266	80,616	80,965	81,312	81,675	82,036	82,368	82,703
Civilian labor force.....	39,316	39,949	40,381	40,719	40,973	41,257	41,492	41,986	42,507	42,564	42,902	43,047	43,629
Percent of civilian population.....	50.2	50.8	51.0	51.2	51.3	51.4	51.5	51.9	52.3	52.1	52.3	52.3	52.8
Employed.....	37,085	37,669	38,085	38,351	38,349	38,564	38,714	39,202	39,677	39,692	39,802	39,772	40,047
Percent of total population.....	47.3	47.8	48.1	48.2	47.9	48.0	47.9	48.3	48.7	48.5	48.4	48.2	48.3
Unemployed.....	2,231	2,280	2,295	2,368	2,624	2,693	2,778	2,785	2,830	2,872	3,100	3,275	3,583
Unemployment rate.....	5.7	5.7	5.7	5.8	6.4	6.5	6.7	6.6	6.7	6.7	7.2	7.6	8.2
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,967	16,942	16,933	16,924	16,888	16,837	16,752	16,686	16,580	16,469	16,350	16,228	16,106
Civilian noninstitutional population ¹ ...	16,664	16,653	16,637	16,616	16,584	16,532	16,442	16,367	16,275	16,171	16,042	15,923	15,825
Civilian labor force.....	9,622	9,562	9,633	9,513	9,394	9,345	9,260	9,238	9,084	8,875	8,761	8,626	8,569
Percent of civilian population.....	57.7	57.4	57.9	57.3	56.6	56.5	56.3	56.4	55.8	54.9	54.6	54.2	54.1
Employed.....	8,081	8,005	8,070	7,955	7,717	7,593	7,573	7,476	7,341	7,176	6,914	6,733	6,616
Percent of total population.....	47.6	47.3	47.7	47.0	45.7	45.1	45.2	44.8	44.3	43.6	42.3	41.5	41.1
Unemployed.....	1,541	1,556	1,563	1,558	1,677	1,752	1,687	1,762	1,744	1,699	1,847	1,893	1,953
Unemployment rate.....	16.0	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8
White													
Total noninstitutional population ¹	145,200	145,826	146,529	146,926	147,469	148,068	148,528	148,779	149,305	149,816	150,302	150,599	150,969
Civilian noninstitutional population ¹ ...	143,553	144,184	144,895	145,308	145,855	146,439	146,889	147,148	147,671	148,164	148,650	148,943	149,309
Civilian labor force.....	91,371	92,144	92,795	93,277	93,550	93,738	94,016	94,547	95,251	95,058	95,410	95,320	96,293
Percent of civilian population.....	63.6	63.9	64.0	64.2	64.1	64.0	64.0	64.3	64.5	64.2	64.2	64.0	64.5
Employed.....	86,880	87,422	87,958	88,183	87,466	87,388	87,846	88,381	89,039	89,006	88,414	87,967	88,204
Percent of total population.....	59.8	59.9	60.0	60.0	59.3	59.0	59.1	59.4	59.6	59.4	58.8	58.4	58.4
Unemployed.....	4,491	4,722	4,837	5,094	6,084	6,350	6,170	6,166	6,212	6,051	6,996	7,354	8,089
Unemployment rate.....	4.9	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4
Black and other													
Total noninstitutional population ¹	21,340	21,462	21,618	21,923	22,036	22,154	22,288	22,624	22,661	22,751	22,849	23,066	23,226
Civilian noninstitutional population ¹ ...	20,908	21,015	21,160	21,454	21,561	21,671	21,805	22,131	22,166	22,249	22,341	22,554	22,711
Civilian labor force.....	12,964	13,095	13,187	13,175	13,251	13,458	13,489	13,530	13,616	13,596	13,742	13,790	13,938
Percent of civilian population.....	62.0	62.3	62.3	61.4	61.5	62.1	61.9	61.1	61.1	61.1	61.5	61.1	61.4
Employed.....	11,476	11,667	11,705	11,616	11,496	11,606	11,632	11,744	11,750	11,634	11,627	11,600	11,558
Percent of total population.....	53.8	54.4	54.1	53.0	52.2	52.4	52.2	51.9	51.9	51.1	50.9	50.3	49.8
Unemployed.....	1,488	1,428	1,482	1,559	1,755	1,853	1,857	1,786	1,865	1,962	2,115	2,190	2,379
Unemployment rate.....	11.5	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-63 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

[Numbers in thousands]

Full- and part-time status, sex, and age	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
FULL TIME													
Total, 16 years and over:													
Civilian labor force	89,169	89,725	90,364	90,601	91,193	91,559	92,001	92,402	92,892	92,850	93,607	93,470	94,165
Employed ¹	84,540	84,916	85,391	85,297	84,786	84,735	85,310	85,835	86,342	86,343	85,982	85,451	85,435
Unemployed	4,629	4,809	4,973	5,305	6,407	6,824	6,691	6,567	6,550	6,507	7,625	8,019	8,730
Unemployment rate	5.2	5.4	5.5	5.9	7.0	7.5	7.3	7.1	7.1	7.0	8.1	8.6	9.3
Males, 20 years and over:													
Civilian labor force	52,710	52,907	53,099	53,216	53,506	53,790	53,944	53,950	54,387	54,330	54,633	54,450	54,923
Employed ¹	50,699	50,774	50,809	50,662	50,221	50,197	50,552	50,715	51,145	51,110	50,696	50,275	50,332
Unemployed	2,010	2,134	2,289	2,554	3,285	3,593	3,393	3,235	3,242	3,222	3,937	4,175	4,592
Unemployment rate	3.8	4.0	4.3	4.8	6.1	6.7	6.3	6.0	6.0	5.9	7.2	7.7	8.4
Females, 20 years and over:													
Civilian labor force	31,246	31,633	32,028	32,261	32,663	32,847	33,120	33,549	33,780	33,886	34,298	34,397	34,888
Employed ¹	29,461	29,831	30,231	30,403	30,521	30,626	30,804	31,225	31,465	31,556	31,681	31,671	31,884
Unemployed	1,784	1,803	1,797	1,858	2,142	2,221	2,316	2,323	2,314	2,330	2,618	2,727	3,004
Unemployment rate	5.7	5.7	5.6	5.8	6.6	6.8	7.0	6.9	6.9	6.9	7.6	7.9	8.6
Both sexes, 16-19 years:													
Civilian labor force	5,214	5,184	5,237	5,123	5,023	4,922	4,936	4,904	4,725	4,632	4,675	4,622	4,353
Employed ¹	4,379	4,312	4,350	4,232	4,044	3,912	3,954	3,895	3,732	3,677	3,605	3,505	3,219
Unemployed	835	872	887	893	980	1,010	982	1,009	994	956	1,070	1,117	1,134
Unemployment rate	16.0	16.8	16.9	17.4	19.5	20.5	19.9	20.6	21.0	20.6	22.9	24.2	26.1
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,144	15,595	15,608	15,813	15,566	15,736	15,529	15,670	15,917	15,847	15,603	15,652	15,971
Employed ¹	13,809	14,251	14,264	14,443	14,180	14,365	14,179	14,242	14,437	14,341	14,102	14,072	14,311
Unemployed	1,335	1,344	1,344	1,371	1,386	1,371	1,350	1,427	1,480	1,506	1,502	1,580	1,660
Unemployment rate	8.8	8.6	8.6	8.7	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.1	10.4
Males, 20 years and over:													
Civilian labor force	2,715	2,835	2,871	2,948	2,921	2,821	2,846	2,887	2,876	2,904	2,876	2,947	3,029
Employed ¹	2,539	2,641	2,693	2,761	2,720	2,642	2,665	2,685	2,673	2,664	2,638	2,705	2,773
Unemployed	175	195	178	187	201	179	181	202	203	240	238	242	256
Unemployment rate	6.5	6.9	6.2	6.3	6.9	6.4	6.4	7.0	7.1	8.3	8.3	8.2	8.4
Females, 20 years and over:													
Civilian labor force	8,061	8,342	8,335	8,478	8,294	8,419	8,355	8,455	8,715	8,688	8,594	8,670	8,728
Employed ¹	7,606	7,875	7,845	7,962	7,807	7,964	7,891	7,984	8,192	8,158	8,108	8,110	8,145
Unemployed	455	467	490	517	487	455	464	471	524	530	486	559	583
Unemployment rate	5.6	5.6	5.9	6.1	5.9	5.4	5.6	5.6	6.0	6.1	5.7	6.5	6.7
Both sexes, 16-19 years:													
Civilian labor force	4,369	4,417	4,402	4,387	4,351	4,496	4,328	4,328	4,326	4,255	4,133	4,035	4,215
Employed ¹	3,664	3,735	3,726	3,720	3,652	3,759	3,623	3,573	3,572	3,518	3,356	3,256	3,392
Unemployed	704	682	676	667	699	737	704	754	753	736	777	779	822
Unemployment rate	16.1	15.4	15.4	15.2	16.1	16.4	16.3	17.4	17.4	17.3	18.8	19.3	19.5

¹ Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employment status by race, sex, and age, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, and age	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
WHITE													
Total, 18 years and over:													
Civilian labor force	91,371	92,144	92,795	93,277	93,550	93,738	94,016	94,547	95,251	95,058	95,410	95,320	96,293
Employed	86,880	87,422	87,958	88,183	87,466	87,388	87,846	88,381	89,039	89,006	88,414	87,967	88,204
Unemployed	4,491	4,722	4,837	5,094	6,084	6,350	6,170	6,166	6,212	6,051	6,996	7,354	8,089
Unemployment rate	4.9	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4
Males, 20 years and over:													
Civilian labor force	49,143	49,406	49,587	49,863	50,062	50,148	50,289	50,383	50,757	50,704	50,880	50,824	51,257
Employed	47,474	47,594	47,684	47,739	47,282	47,189	47,480	47,665	48,034	48,052	47,629	47,397	47,410
Unemployed	1,669	1,812	1,903	2,124	2,780	2,959	2,809	2,718	2,723	2,652	3,251	3,427	3,847
Unemployment rate	3.4	3.7	3.8	4.3	5.6	5.9	5.6	5.4	5.4	5.2	6.4	6.7	7.5
Females, 20 years and over:													
Civilian labor force	33,711	34,263	34,639	34,960	35,143	35,332	35,528	35,979	36,454	36,487	36,769	36,865	37,409
Employed	32,051	32,562	32,913	33,174	33,169	33,289	33,472	33,910	34,341	34,390	34,466	34,427	34,705
Unemployed	1,660	1,701	1,726	1,786	1,975	2,043	2,056	2,068	2,113	2,097	2,303	2,438	2,704
Unemployment rate	4.9	5.0	5.0	5.1	5.6	5.8	5.8	5.7	5.8	5.7	6.3	6.6	7.2
Both sexes, 18 to 19 years:													
Civilian labor force	8,517	8,475	8,569	8,454	8,345	8,257	8,198	8,185	8,040	7,867	7,761	7,631	7,628
Employed	7,355	7,266	7,361	7,270	7,015	6,910	6,893	6,806	6,664	6,565	6,319	6,143	6,089
Unemployed	1,162	1,208	1,208	1,184	1,330	1,347	1,305	1,379	1,376	1,303	1,442	1,488	1,538
Unemployment rate	13.6	14.3	14.1	14.0	15.9	16.3	15.9	16.9	17.1	16.6	18.6	19.5	20.2
BLACK AND OTHER													
Total, 18 years and over:													
Civilian labor force	12,964	13,095	13,187	13,175	13,251	13,458	13,489	13,530	13,616	13,596	13,742	13,790	13,938
Employed	11,476	11,667	11,705	11,616	11,496	11,606	11,632	11,744	11,750	11,634	11,627	11,600	11,558
Unemployed	1,488	1,428	1,482	1,559	1,755	1,853	1,857	1,786	1,865	1,962	2,115	2,190	2,379
Unemployment rate	11.5	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1
Males, 20 years and over:													
Civilian labor force	6,258	6,347	6,356	6,345	6,364	6,463	6,467	6,484	6,508	6,530	6,594	6,611	6,742
Employed	5,734	5,832	5,801	5,733	5,628	5,652	5,716	5,784	5,752	5,727	5,684	5,647	5,688
Unemployed	524	515	556	611	736	811	751	700	756	803	910	964	1,054
Unemployment rate	8.4	8.1	8.7	9.6	11.6	12.5	11.6	10.8	11.6	12.3	13.8	14.6	15.6
Females, 20 years and over:													
Civilian labor force	5,610	5,677	5,756	5,756	5,837	5,916	5,962	5,992	6,060	6,078	6,135	6,171	6,247
Employed	5,029	5,103	5,188	5,181	5,174	5,270	5,241	5,286	5,327	5,305	5,338	5,349	5,347
Unemployed	580	574	568	574	663	646	721	706	732	773	797	823	900
Unemployment rate	10.3	10.1	9.9	10.0	11.4	10.9	12.1	11.8	12.1	12.7	13.0	13.3	14.4
Both sexes, 18 to 19 years:													
Civilian labor force	1,097	1,071	1,075	1,075	1,050	1,080	1,060	1,054	1,048	988	1,013	1,008	948
Employed	713	732	717	701	695	684	676	673	671	602	605	605	523
Unemployed	384	339	358	374	355	396	384	381	377	386	408	403	425
Unemployment rate	35.0	31.6	33.3	34.8	33.8	36.6	36.2	36.1	36.0	39.0	40.3	40.0	44.8

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTIC													
Total (all civilian workers)	5.7	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5
Males, 20 years and over	4.0	4.2	4.4	4.9	6.2	6.6	6.3	6.0	6.1	6.0	7.2	7.7	8.4
Females, 20 years and over	5.7	5.7	5.7	5.8	6.4	6.5	6.7	6.6	6.7	6.7	7.2	7.6	8.2
Both sexes, 16-19 years	16.0	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8
White	4.9	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4
Black and other	11.5	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1
Married men, spouse present	2.6	2.8	3.0	3.4	4.4	4.8	4.4	4.1	4.0	4.1	5.2	5.4	6.2
Married women, spouse present	5.1	5.1	5.1	5.3	5.9	6.1	5.9	5.9	5.8	5.7	6.4	6.8	7.4
Women who maintain families	8.6	8.1	8.4	8.8	8.7	9.1	10.1	9.9	10.3	10.7	10.6	10.4	11.9
Full-time workers	5.2	5.4	5.5	5.9	7.0	7.5	7.3	7.1	7.1	7.0	8.1	8.6	9.3
Part-time workers	8.8	8.6	8.6	8.7	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.1	10.4
Unemployed 15 weeks and over ¹	1.2	1.1	1.2	1.3	1.6	2.0	2.2	2.2	2.1	2.0	2.1	2.5	3.0
Labor force time lost ²	6.3	6.3	6.5	6.8	8.1	8.3	8.3	8.2	8.2	8.1	9.6	10.1	10.6
OCCUPATION													
White-collar workers	3.3	3.4	3.3	3.4	3.7	3.8	3.9	3.9	4.0	4.0	4.3	4.5	4.9
Professional and technical	2.2	2.5	2.4	2.3	2.5	2.5	2.6	2.7	2.9	2.7	2.9	3.1	3.3
Managers and administrators, except farm	2.1	2.2	2.1	2.2	2.5	2.5	2.5	2.5	2.6	2.7	2.9	2.9	3.5
Sales workers	4.1	3.8	3.8	4.3	4.6	4.2	4.5	4.2	4.4	4.9	4.9	5.0	5.6
Clerical workers	4.6	4.7	4.6	4.7	5.3	5.5	5.6	5.6	5.6	5.7	6.1	6.6	6.9
Blue-collar workers	6.7	7.0	7.5	8.2	10.5	11.1	10.6	10.1	9.8	9.7	11.8	12.6	13.7
Craft and kindred workers	4.2	4.4	4.8	5.3	7.1	7.6	7.1	7.1	7.1	7.2	8.7	8.8	9.7
Operatives, except transport	8.2	8.6	9.2	9.8	13.0	13.5	12.9	12.0	11.5	11.3	14.1	15.6	16.7
Transport equipment operatives	5.5	5.6	5.6	6.9	9.0	10.0	9.9	8.9	8.1	8.0	9.6	10.3	11.8
Nonfarm laborers	10.8	11.0	11.7	12.8	15.0	15.8	14.8	14.7	14.1	14.0	16.2	17.6	18.5
Service workers	7.2	7.0	6.9	7.2	8.0	8.3	8.2	8.4	9.0	8.6	9.5	9.7	10.8
Farm workers	3.6	4.1	4.5	4.3	4.8	4.9	4.3	5.0	5.1	4.7	6.3	5.8	7.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.6	5.8	5.9	6.3	7.7	7.9	7.7	7.5	7.4	7.4	8.5	9.1	9.9
Construction	9.8	9.4	10.6	12.0	15.3	16.1	14.2	14.0	15.4	15.9	17.8	18.2	19.1
Manufacturing	5.4	5.8	6.1	6.8	9.0	9.4	9.0	8.4	7.6	7.4	9.7	10.6	11.7
Durable goods	4.6	5.2	5.8	6.7	9.8	10.1	9.2	8.4	7.3	7.1	10.0	11.0	12.4
Nondurable goods	6.5	6.8	6.5	6.9	8.0	8.3	8.6	8.4	8.1	7.9	9.2	9.9	10.7
Transportation and public utilities	3.2	3.8	4.2	4.2	4.9	5.6	5.2	5.7	5.4	4.4	5.5	6.0	6.8
Wholesale and retail trade	6.5	6.5	6.4	6.6	7.5	7.7	7.9	7.7	7.8	8.1	8.6	9.3	10.1
Finance and service industries	4.8	5.0	4.8	4.8	5.4	5.6	5.6	5.8	5.8	5.8	6.2	6.5	6.9
Government workers	3.6	3.6	3.9	4.0	4.0	4.2	4.3	4.4	4.7	4.6	5.0	4.9	5.0
Agricultural wage and salary workers	8.9	9.8	10.0	10.0	11.4	11.7	10.8	11.8	11.2	11.3	14.1	14.3	16.4

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ as a percent of potentially available labor force hours.

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
DURATION													
Both sexes, 16 years and over:													
Less than 6 weeks	2,878	3,047	3,046	3,132	3,498	3,351	3,196	3,278	3,290	3,393	3,865	3,822	3,792
5 to 14 weeks	1,876	1,944	1,994	2,163	2,636	2,685	2,455	2,370	2,500	2,455	2,861	3,066	3,361
15 weeks and over	1,232	1,163	1,245	1,385	1,745	2,146	2,347	2,327	2,260	2,212	2,343	2,692	3,325
15 to 26 weeks	700	653	705	825	1,012	1,229	1,235	1,084	1,112	1,107	1,195	1,420	1,656
27 weeks and over	533	510	540	560	733	917	1,113	1,243	1,148	1,105	1,148	1,272	1,669
Average (mean duration, in weeks	10.8	10.5	10.6	10.7	11.2	12.4	13.4	14.1	13.8	14.0	13.2	13.8	15.1
Median duration, in weeks	5.7	5.4	5.5	5.7	6.1	7.3	7.4	7.2	7.2	7.0	6.8	7.4	9.1
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 6 weeks	48.1	49.5	48.5	46.9	44.4	41.0	40.0	41.1	40.9	42.1	42.6	39.9	36.2
5 to 14 weeks	31.3	31.6	31.7	32.4	33.5	32.8	30.7	29.7	31.1	30.5	31.5	32.0	32.1
15 weeks and over	20.6	18.9	19.8	20.7	22.2	26.2	29.3	29.2	28.1	27.4	25.8	28.1	31.7
15 to 26 weeks	11.7	10.6	11.2	12.4	12.8	15.0	15.4	13.6	13.8	13.7	13.2	14.8	15.8
27 weeks and over	8.9	8.3	8.6	8.4	9.3	11.2	13.9	15.6	14.3	13.7	12.7	13.3	15.9

A-49. Unemployment rates by sex and age, seasonally adjusted

Sex and age	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	5.7	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5
16 to 19 years	16.0	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8
16 to 17 years	18.3	17.6	18.0	18.5	19.9	21.2	20.6	21.2	21.8	20.7	22.0	22.5	24.6
18 to 19 years	14.4	15.2	15.0	14.8	16.5	16.9	16.7	17.5	17.5	18.0	20.5	21.5	21.7
20 to 24 years	8.8	9.3	9.5	10.1	11.9	12.2	12.0	11.9	12.3	11.9	13.1	14.0	14.5
25 years and over	3.8	3.9	4.0	4.3	5.2	5.5	5.3	5.2	5.2	5.3	6.1	6.5	7.2
25 to 54 years	4.0	4.1	4.3	4.7	5.5	6.0	5.8	5.6	5.5	5.6	6.5	6.9	7.6
55 years and over	3.0	3.0	2.9	3.0	3.4	3.4	3.4	3.5	3.4	3.6	3.9	4.4	5.1
Males, 16 years and over	4.9	5.1	5.3	5.8	7.2	7.7	7.3	7.1	7.1	7.0	8.3	8.8	9.6
16 to 19 years	15.5	16.0	15.7	15.8	18.3	19.6	19.4	19.9	19.8	19.5	21.4	22.7	24.2
16 to 17 years	17.7	16.9	17.7	18.0	20.4	22.0	21.6	22.1	22.9	21.0	22.1	23.4	25.6
18 to 19 years	14.0	15.2	14.1	14.2	17.0	17.8	17.9	18.4	17.8	18.3	20.8	22.1	23.4
20 to 24 years	8.2	8.9	9.3	10.6	13.0	13.6	13.1	12.9	13.2	12.5	14.3	15.3	15.8
25 years and over	3.2	3.3	3.5	3.9	5.0	5.4	5.0	4.9	4.7	4.9	5.9	6.4	7.1
25 to 54 years	3.2	3.4	3.7	4.1	5.3	5.9	5.4	5.2	5.1	5.2	6.4	6.8	7.6
55 years and over	2.9	3.0	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.4	4.0	4.4	4.9
Females, 16 years and over	6.8	6.8	6.8	6.9	7.5	7.6	7.7	7.7	7.7	7.8	8.4	8.8	9.3
16 to 19 years	16.6	16.6	16.8	17.0	17.3	17.7	16.8	18.1	18.5	18.8	20.7	21.1	21.2
16 to 17 years	19.0	18.4	18.3	19.2	19.4	20.2	19.6	20.2	20.6	20.3	21.8	21.3	23.4
18 to 19 years	14.9	15.3	15.9	15.5	15.9	16.0	15.3	16.6	17.1	17.7	20.2	20.9	19.9
20 to 24 years	9.5	9.8	9.7	9.6	10.7	10.6	10.7	10.7	11.1	11.3	11.6	12.4	13.0
25 years and over	4.8	4.8	4.8	5.0	5.5	5.6	5.8	5.8	5.7	5.8	6.3	6.6	7.2
25 to 54 years	5.2	5.1	5.1	5.4	6.0	6.2	6.2	6.2	6.2	6.2	6.8	7.1	7.7
55 years and over	3.2	3.2	3.1	3.0	3.3	3.2	3.5	3.9	3.5	3.9	3.9	4.2	5.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-50. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,450	2,647	2,853	3,157	4,094	4,467	4,281	4,007	4,054	4,133	4,940	5,327	6,036
On layoff	768	854	978	1,128	1,691	1,802	1,527	1,313	1,321	1,318	1,833	1,809	1,995
Other job losers	1,682	1,793	1,875	2,029	2,402	2,665	2,754	2,694	2,734	2,815	3,107	3,517	4,041
Job leavers	881	877	857	839	935	902	889	912	934	909	938	895	875
Reentrants	1,783	1,844	1,808	1,838	1,943	1,953	1,980	2,047	2,063	2,057	2,254	2,202	2,392
New entrants	817	782	824	830	844	914	903	982	972	963	1,006	1,066	1,108
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	41.3	43.0	45.0	47.4	52.4	54.2	53.2	50.4	50.5	51.3	54.1	56.1	58.0
On layoff	12.9	13.9	15.4	16.9	21.6	21.9	19.0	16.5	16.5	16.3	20.1	19.1	19.2
Other job losers	28.4	29.2	29.6	30.5	30.7	32.4	34.2	33.9	34.1	34.9	34.0	37.1	38.8
Job leavers	14.9	14.3	13.5	12.6	12.0	10.9	11.0	11.5	11.6	11.3	10.3	9.4	8.4
Reentrants	30.1	30.0	28.5	27.6	24.9	23.7	24.6	25.8	25.7	25.5	24.7	23.2	23.0
New entrants	13.8	12.7	13.0	12.5	10.8	11.1	11.2	12.4	12.1	11.9	11.0	11.2	10.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.3	2.5	2.7	3.0	3.8	4.2	4.0	3.7	3.7	3.8	4.5	4.9	5.5
On layoff .....	.8	.8	.8	.8	.9	.8	.8	.8	.9	.8	.9	.8	.8
Other job losers	1.7	1.8	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.0	2.2
Job leavers .....	.8	.7	.8	.8	.8	.9	.8	.9	.9	.9	.9	1.0	1.0

A-51. Employed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	98,349	99,112	99,653	99,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740
16 to 19 years	8,081	8,005	8,070	7,955	7,717	7,593	7,573	7,476	7,341	7,176	6,914	6,733	6,616
16 to 17 years	3,317	3,288	3,359	3,250	3,116	3,080	3,017	2,993	2,890	2,837	2,747	2,679	2,543
18 to 19 years	4,764	4,711	4,723	4,711	4,593	4,557	4,554	4,481	4,443	4,332	4,180	4,064	4,069
20 to 24 years	14,336	14,357	14,320	14,246	14,026	14,002	14,096	14,158	14,150	14,181	13,994	13,805	13,776
25 years and over	75,954	76,752	77,247	77,570	77,240	77,431	77,802	78,470	79,324	79,315	79,104	78,998	79,360
25 to 54 years	61,421	62,202	62,605	62,941	62,676	62,877	63,352	63,988	64,706	64,873	64,755	64,741	64,979
55 years and over	14,502	14,572	14,643	14,639	14,533	14,576	14,445	14,484	14,593	14,459	14,349	14,246	14,375
Males, 16 years and over	57,497	57,729	57,785	57,743	56,996	56,835	57,187	57,395	57,621	57,554	57,014	56,586	56,481
16 to 19 years	4,314	4,292	4,287	4,265	4,109	3,986	3,976	3,947	3,854	3,768	3,687	3,536	3,403
16 to 17 years	1,801	1,789	1,798	1,780	1,685	1,618	1,609	1,593	1,512	1,511	1,488	1,424	1,346
18 to 19 years	2,501	2,500	2,494	2,493	2,417	2,378	2,363	2,354	2,338	2,261	2,204	2,117	2,054
20 to 24 years	7,802	7,809	7,789	7,707	7,519	7,433	7,489	7,520	7,512	7,577	7,401	7,285	7,228
25 years and over	45,394	45,636	45,693	45,763	45,389	45,434	45,698	45,913	46,281	46,219	45,898	45,745	45,862
25 to 54 years	36,550	36,729	36,803	36,860	36,556	36,619	36,904	37,118	37,487	37,530	37,287	37,178	37,257
55 years and over	8,839	8,912	8,882	8,906	8,831	8,820	8,785	8,797	8,795	8,691	8,606	8,561	8,620
Females, 16 years and over	40,852	41,383	41,868	42,041	41,957	42,171	42,311	42,730	43,163	43,100	43,029	42,968	43,259
16 to 19 years	3,767	3,714	3,783	3,690	3,608	3,607	3,597	3,529	3,486	3,408	3,227	3,196	3,213
16 to 17 years	1,516	1,499	1,562	1,469	1,432	1,422	1,409	1,400	1,378	1,326	1,258	1,255	1,196
18 to 19 years	2,248	2,212	2,230	2,224	2,176	2,179	2,190	2,127	2,106	2,071	1,976	1,947	2,015
20 to 24 years	6,533	6,548	6,531	6,539	6,506	6,569	6,607	6,639	6,638	6,604	6,594	6,520	6,549
25 years and over	30,560	31,116	31,554	31,807	31,851	31,997	32,104	32,557	33,043	33,096	33,205	33,250	33,498
25 to 54 years	24,871	25,474	25,802	26,081	26,120	26,257	26,448	26,870	27,219	27,343	27,467	27,563	27,722
55 years and over	5,664	5,661	5,762	5,733	5,702	5,756	5,660	5,687	5,798	5,768	5,742	5,686	5,755

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Category	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTIC													
Total, 16 years and over	98,349	99,112	99,653	99,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740
Married men, spouse present	39,655	39,886	39,619	39,484	38,930	38,699	38,914	38,980	39,079	38,926	38,547	38,223	38,269
Married women, spouse present	22,898	23,278	23,466	23,576	23,520	23,486	23,558	23,850	24,092	23,943	23,795	23,790	24,148
OCCUPATION													
White-collar workers	50,101	50,573	51,004	51,408	51,680	52,177	52,280	52,754	52,943	52,985	53,123	52,813	53,489
Professional and technical	15,394	15,416	15,497	15,738	15,967	16,015	16,161	16,225	16,227	16,528	16,704	16,691	16,905
Managers and administrators, except farm	10,654	10,834	10,876	10,954	11,067	11,255	11,287	11,638	11,505	11,524	11,500	11,219	11,515
Sales workers	6,243	6,287	6,428	6,363	6,162	6,329	6,357	6,384	6,455	6,435	6,423	6,567	6,579
Clerical workers	17,810	18,037	18,203	18,353	18,485	18,578	18,475	18,506	18,756	18,499	18,496	18,337	18,490
Blue-collar workers	32,453	32,710	32,783	32,397	31,325	30,860	31,297	31,211	31,673	31,486	30,660	30,309	29,855
Craft and kindred workers	13,039	13,147	13,227	13,029	12,759	12,653	12,724	12,710	12,828	12,675	12,434	12,445	12,338
Operatives, except transport	10,969	11,133	11,181	10,875	10,507	10,343	10,540	10,556	10,703	10,634	10,266	9,927	9,643
Transport equipment													
operatives	3,688	3,667	3,656	3,650	3,529	3,463	3,484	3,439	3,481	3,521	3,462	3,438	3,411
Nonfarm laborers	4,757	4,763	4,719	4,844	4,529	4,401	4,549	4,505	4,661	4,656	4,497	4,499	4,464
Service workers	13,057	13,024	13,225	13,247	13,213	13,253	13,209	13,358	13,384	13,400	13,611	13,616	13,695
Farm workers	2,694	2,734	2,735	2,756	2,712	2,720	2,793	2,748	2,761	2,741	2,744	2,771	2,671
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,448	1,443	1,469	1,468	1,423	1,389	1,437	1,428	1,499	1,486	1,430	1,407	1,465
Self-employed workers	1,551	1,604	1,622	1,628	1,628	1,661	1,648	1,642	1,660	1,625	1,625	1,638	1,679
Unpaid family workers	295	314	299	286	287	301	313	296	261	252	270	339	252
Nonagricultural industries:													
Wage and salary workers	87,834	88,365	89,010	89,023	88,297	88,237	88,621	89,234	89,941	89,781	89,230	88,624	88,660
Government	15,625	15,668	15,717	15,795	15,978	15,949	15,939	15,931	15,789	15,546	15,491	15,532	15,503
Private industries	72,209	72,698	73,293	73,228	72,319	72,289	72,682	73,303	74,152	74,235	73,739	73,091	73,156
Private households	1,224	1,266	1,259	1,174	1,208	1,212	1,172	1,215	1,206	1,192	1,219	1,211	1,198
Other industries	70,985	71,431	72,035	72,054	71,111	71,076	71,510	72,087	72,946	73,042	72,520	71,880	71,958
Self-employed workers	6,725	6,875	6,895	6,965	6,890	7,037	7,107	7,058	7,081	7,130	7,117	7,051	7,284
Unpaid family workers	478	470	422	402	420	419	409	393	352	392	429	417	397
PERSONS AT WORK¹													
Nonagricultural industries	89,268	90,558	90,616	90,611	89,861	89,817	90,553	91,338	91,446	91,660	91,210	90,522	90,966
Full-time schedules	73,687	74,617	74,585	74,366	73,160	72,960	73,871	74,441	74,608	74,627	73,720	72,827	72,677
Part time for economic reasons	3,386	3,354	3,460	3,546	4,171	4,290	4,216	4,323	4,166	4,460	5,108	5,450	5,680
Usually work full time	1,319	1,389	1,472	1,504	1,871	1,816	1,664	1,666	1,572	1,723	2,024	2,071	2,166
Usually work part time	2,067	1,964	1,988	2,042	2,300	2,474	2,553	2,657	2,594	2,737	3,084	3,379	3,514
Part time for noneconomic reasons	12,196	12,588	12,572	12,700	12,531	12,566	12,466	12,575	12,673	12,573	12,382	12,245	12,608

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Persons not in labor force by reason, sex, and race, seasonally adjusted

[In thousands]

Reason, sex, and race	1979			1980				1981				1982	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total not in labor force	60,145	59,936	60,083	60,308	60,644	60,907	61,171	61,172	61,002	61,746	61,834	62,367	61,852
Do not want job now	54,669	54,029	54,684	54,808	55,068	55,479	55,657	55,245	55,555	56,079	56,053	56,095	55,659
Current activity:													
Going to school	6,129	6,044	6,179	6,252	6,386	6,768	6,360	6,304	6,637	6,556	6,522	6,323	6,816
Ill, disabled	4,613	4,606	4,610	4,722	4,542	4,194	4,378	4,166	4,256	4,352	4,320	4,020	4,052
Keeping house	29,724	29,299	29,274	29,000	29,297	29,302	29,484	28,894	28,762	28,930	28,535	29,103	28,262
Retired	10,171	10,163	10,495	10,807	10,723	11,145	11,198	11,520	11,731	11,929	12,140	12,105	12,170
Other	4,032	3,916	4,126	4,027	4,120	4,070	4,238	4,361	4,168	4,312	4,536	4,545	4,358
Want a job now	5,349	5,660	5,455	5,602	5,626	5,861	5,711	5,927	5,727	5,668	6,019	6,162	6,674
Reason not looking:													
School attendance	1,425	1,605	1,522	1,493	1,502	1,631	1,508	1,575	1,562	1,518	1,569	1,641	1,740
Ill health, disability	704	799	784	771	744	806	714	802	726	708	832	775	777
Home responsibilities	1,271	1,296	1,278	1,330	1,233	1,284	1,211	1,287	1,300	1,176	1,374	1,347	1,511
Think cannot get job	841	762	781	948	955	1,006	1,063	1,093	1,043	1,094	1,199	1,339	1,497
Job-market factors	538	541	487	601	648	687	720	849	718	801	883	1,074	1,076
Personal factors	303	222	294	347	306	318	343	244	325	293	316	274	421
Other reasons ¹	1,108	1,198	1,090	1,060	1,193	1,134	1,215	1,171	1,096	1,171	1,046	1,061	1,150
Males													
Total not in labor force	17,345	17,323	17,552	17,646	17,811	18,008	18,137	18,299	18,325	18,734	18,733	19,122	18,938
Do not want job now	15,651	15,444	15,785	15,960	15,972	16,198	16,387	16,336	16,588	16,952	16,862	16,837	16,961
Want a job now	1,620	1,893	1,752	1,751	1,840	1,954	1,842	1,947	1,861	1,831	2,000	2,096	2,175
Reason not looking:													
School attendance	710	854	758	720	772	852	745	813	775	725	787	901	912
Ill health, disability	282	370	344	321	348	367	299	372	329	323	414	319	331
Think cannot get job	283	292	290	358	332	382	361	375	414	383	435	516	586
Other reasons ¹	346	376	360	352	388	353	437	387	343	399	365	360	346
Females													
Total not in labor force	42,800	42,613	42,531	42,662	42,834	42,899	43,034	42,872	42,677	43,012	43,101	43,245	42,914
Do not want job now	39,018	38,584	38,899	38,848	39,097	39,281	39,270	38,909	38,966	39,127	39,191	39,259	38,698
Want a job now	3,729	3,767	3,703	3,852	3,786	3,906	3,869	3,980	3,866	3,836	4,019	4,067	4,499
Reason not looking:													
School attendance	715	750	765	772	730	778	763	761	787	793	782	740	827
Ill health, disability	423	429	439	450	396	439	415	430	397	385	418	456	446
Home responsibilities	1,271	1,296	1,278	1,330	1,233	1,284	1,211	1,287	1,300	1,176	1,374	1,347	1,511
Think cannot get job	558	470	491	591	623	624	702	718	630	711	764	823	911
Other reasons	762	822	730	708	804	781	778	784	753	772	681	701	804
White													
Total not in labor force	52,182	52,041	52,100	52,031	52,305	52,702	52,873	52,601	52,420	53,106	53,240	53,623	53,016
Do not want job now	48,191	47,703	47,865	47,885	48,194	48,472	48,658	48,259	48,370	48,902	48,852	49,065	48,471
Want a job now	4,029	4,262	4,100	4,283	4,201	4,226	4,178	4,333	4,133	4,116	4,401	4,414	4,741
Reason not looking:													
School attendance	988	1,164	1,129	1,070	1,106	1,101	1,069	1,116	1,057	990	1,156	1,177	1,217
Ill health, disability	523	552	522	555	554	543	502	564	523	504	568	513	567
Home responsibilities	969	992	1,002	1,101	957	981	926	959	983	863	1,034	1,006	1,044
Think cannot get job	601	546	554	670	640	699	684	744	708	744	807	868	1,002
Other reasons	947	1,008	893	886	943	903	997	950	863	1,015	836	850	912
Black and other													
Total not in labor force	7,944	7,919	7,972	8,279	8,310	8,213	8,316	8,601	8,550	8,653	8,599	8,764	8,773
Do not want job now	6,593	6,583	6,720	6,824	6,864	6,699	6,911	6,859	6,933	7,217	7,104	6,844	6,829
Want a job now	1,281	1,383	1,323	1,373	1,393	1,599	1,493	1,665	1,558	1,558	1,589	1,836	1,894
Reason not looking:													
School attendance	418	406	417	429	377	474	471	467	483	497	451	473	497
Ill health, disability	196	239	237	228	206	251	186	256	220	203	234	277	229
Home responsibilities	285	310	275	247	262	300	287	342	303	312	348	361	445
Think cannot get job	230	217	210	301	309	310	356	387	326	351	364	521	491
Other reasons	154	212	184	168	240	264	194	213	226	194	192	204	232

¹ Includes small number of men not looking for work because of "home responsibilities."

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-54. Persons not in labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
TOTAL										
Total not in labor force	61,039	61,921	7,053	7,116	4,721	4,779	21,985	21,963	27,280	28,063
Do not want a job now	55,019	55,023	5,176	5,067	3,521	3,524	19,471	18,948	26,849	27,485
Current activity:										
Going to school	5,753	5,898	3,753	3,885	1,344	1,332	632	666	21	16
Ill, disabled	4,295	4,091	30	31	122	91	2,132	1,879	2,010	2,090
Keeping house	29,183	28,665	532	393	1,612	1,635	14,439	13,938	12,601	12,699
Retired	11,790	12,211	--	--	--	--	228	236	11,561	11,976
Other	3,998	4,158	861	758	443	466	2,040	2,229	656	704
Want a job now	6,020	6,899	1,878	2,049	1,201	1,254	2,513	3,014	430	582
Reason not looking:										
School attendance	2,053	2,216	1,408	1,543	442	449	203	223	2	--
Ill health, disability	723	768	33	24	65	62	487	492	139	190
Home responsibilities	1,234	1,424	54	103	312	308	840	991	29	22
Think cannot get job	1,002	1,441	199	207	163	236	496	760	142	239
Job-market factors	711	1,073	140	147	128	189	370	596	74	140
Personal factors	291	367	61	61	36	46	126	162	68	98
Other reasons ¹	1,008	1,050	184	172	219	199	487	548	118	131
Males										
Total not in labor force	18,179	18,805	3,200	3,296	1,425	1,531	3,373	3,462	10,182	10,516
Do not want a job now	16,091	16,403	2,263	2,258	1,043	1,069	2,821	2,818	9,963	10,255
Current activity:										
Going to school	2,851	2,973	1,815	1,896	717	745	312	327	8	3
Ill, disabled	2,252	2,257	17	17	62	49	1,185	1,081	989	1,109
Keeping house	270	293	9	8	8	14	95	69	158	203
Retired	8,530	8,661	--	--	--	--	191	199	8,337	8,461
Other	2,188	2,219	422	337	256	261	1,038	1,142	471	479
Want a job now	2,089	2,402	937	1,037	381	461	551	643	217	261
Reason not looking:										
School attendance	1,036	1,178	724	844	211	238	101	96	--	--
Ill health, disability	333	336	19	12	35	27	203	208	74	89
Think cannot get job	393	562	119	109	56	124	134	206	83	122
Other reasons ¹	327	326	75	72	79	72	113	133	60	50
Females										
Total not in labor force	42,859	43,116	3,853	3,820	3,296	3,248	18,611	18,501	17,098	17,547
Do not want a job now	38,928	38,622	2,914	2,806	2,477	2,458	16,650	16,128	16,887	17,227
Current activity:										
Going to school	2,902	2,926	1,941	1,987	627	588	322	338	14	12
Ill, disabled	2,043	1,835	14	13	61	42	947	797	1,024	981
Keeping house	28,913	28,372	521	384	1,603	1,623	14,344	13,870	12,442	12,495
Retired	3,260	3,550	--	--	--	--	36	37	3,224	3,514
Other	1,810	1,939	438	422	186	205	1,001	1,086	183	225
Want a job now	3,931	4,495	940	1,015	819	789	1,959	2,375	212	321
Reason not looking:										
School attendance	1,017	1,037	683	700	231	210	100	128	2	--
Ill health, disability	390	432	13	13	29	34	283	285	64	101
Home responsibilities	1,234	1,424	54	103	312	308	840	991	29	22
Think cannot get job	609	878	80	97	107	111	363	554	59	117
Other reasons ¹	681	724	110	102	140	126	373	417	58	81

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-55. Persons not in labor force by reason, race, age, and sex

(In thousands)

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
WHITE												
Total not in labor force	52,449	53,098	9,090	9,098	18,708	18,693	24,650	25,307	15,243	15,811	37,205	37,287
Do not want a job now	48,098	48,196	6,918	6,819	16,879	16,547	24,294	24,829	13,766	14,083	34,332	34,113
Current activity:												
Going to school	4,459	4,562	3,993	4,047	460	505	6	11	2,220	2,325	2,239	2,237
Ill, disabled	3,385	3,331	111	83	1,634	1,535	1,639	1,715	1,812	1,875	1,573	1,456
Keeping house	26,329	25,908	1,810	1,719	12,912	12,513	11,603	11,675	238	256	26,091	25,652
Retired	10,657	11,005	—	—	204	207	10,451	10,797	7,754	7,830	2,903	3,175
Other	3,268	3,390	1,004	970	1,669	1,787	595	631	1,742	1,797	1,526	1,593
Want a job now	4,351	4,903	2,169	2,278	1,830	2,146	358	480	1,478	1,729	2,873	3,174
Reason not looking:												
School attendance	1,439	1,594	1,329	1,439	107	156	2	—	735	861	704	733
Ill health, disability	502	538	76	52	332	338	94	147	225	254	277	284
Home responsibilities	934	986	250	243	662	728	25	15	—	—	934	986
Think cannot get job	668	938	216	258	333	490	120	191	257	353	411	585
Other reasons ¹	808	847	298	286	396	434	117	127	261	261	547	586
BLACK AND OTHER												
Total not in labor force	8,590	8,823	2,684	2,797	3,276	3,271	2,629	2,756	2,936	2,994	5,654	5,829
Do not want a job now	6,923	6,830	1,777	1,776	2,591	2,399	2,552	2,655	2,326	2,322	4,597	4,507
Current activity:												
Going to school	1,295	1,337	1,106	1,171	172	163	15	4	631	649	664	688
Ill, disabled	910	759	42	39	498	344	372	375	440	382	470	377
Keeping house	2,856	2,758	331	310	1,526	1,424	997	1,024	34	38	2,822	2,720
Retired	1,132	1,207	—	—	23	28	1,108	1,179	775	831	357	376
Other	730	768	298	256	372	440	60	73	446	422	284	346
Want a job now	1,667	1,995	907	1,024	685	872	79	101	610	673	1,057	1,322
Reason not looking:												
School attendance	613	621	519	553	94	68	—	—	301	317	312	304
Ill health, disability	221	231	21	34	156	155	44	43	108	82	113	149
Home responsibilities	300	438	116	170	179	263	5	6	—	—	300	438
Think cannot get job	334	503	147	183	165	272	22	48	136	209	198	294
Other reasons ¹	199	202	104	84	91	114	8	4	65	65	134	137

¹ Includes small number of men not looking for work because of "home responsibilities."

A-56. Persons not in labor force who desire work but think they cannot get jobs by reason, sex, age, and race

(In thousands)

Reason and sex	2nd Quarter 1982						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	129	13	—	33	84	117	13
Lacks education or training	164	44	35	80	5	84	80
Other personal handicap	74	4	11	49	9	53	20
Job-market factors:							
Could not find job	584	104	112	305	62	345	238
Thinks no job available	489	43	77	291	78	339	151
Males							
Personal factors:							
Employers think too young or old	53	7	—	5	41	48	5
Lacks education or training	44	20	18	7	—	25	19
Other personal handicap	27	4	7	12	5	18	9
Job-market factors:							
Could not find job	270	60	74	105	31	150	120
Thinks no job available	168	19	25	79	45	112	56
Females							
Personal factors:							
Employers think too young or old	77	6	—	28	42	69	8
Lacks education or training	120	24	18	74	5	59	61
Other personal handicap	47	—	4	37	4	35	11
Job-market factors:							
Could not find job	313	44	37	200	32	195	118
Thinks no job available	321	24	51	213	34	227	95

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during the previous 12 months by sex, age, and race

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
Total, not in labor force	61,039	61,921	11,774	11,895	21,985	21,963	27,280	28,063	52,449	53,098	8,590	8,823
Never worked	9,842	10,126	5,205	5,489	2,202	2,189	2,435	2,449	7,632	7,759	2,210	2,367
Last worked over 5 years ago	31,175	31,412	344	320	10,977	10,704	19,853	20,387	27,643	27,791	3,533	3,620
Last worked 1 to 5 years ago	10,655	11,278	1,953	1,950	5,103	5,578	3,599	3,750	9,108	9,618	1,547	1,661
Left job during previous 12 months	9,366	9,105	4,271	4,137	3,702	3,491	1,392	1,477	8,065	7,930	1,301	1,175
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	39.9	38.5	53.2	52.8	36.5	35.9	8.0	4.6	40.8	38.8	34.3	37.0
Ill health, disability	8.4	7.0	2.4	1.2	12.4	11.5	15.9	12.8	7.7	6.8	12.5	8.8
Retirement, old age	8.7	10.3	--	--	3.8	4.1	48.2	54.1	9.6	11.1	2.9	5.1
Economic reasons	22.3	23.0	18.7	19.0	27.6	28.5	19.3	20.9	21.5	22.3	27.1	27.7
End of seasonal job	8.0	7.8	7.7	8.5	9.2	8.1	5.6	4.9	7.8	7.4	9.3	10.3
Slack work	7.7	8.9	5.7	6.1	10.6	12.3	6.2	8.5	7.1	8.4	11.3	12.0
End of temporary job	6.6	6.3	5.3	4.4	7.7	8.1	7.5	7.5	6.6	6.4	6.5	5.4
All other reasons	20.8	21.1	25.7	27.0	19.8	20.0	8.5	7.6	20.4	21.1	23.2	21.5
Males, not in labor force	18,179	18,805	4,625	4,827	3,373	3,462	10,182	10,516	15,243	15,811	2,936	2,994
Never worked	2,422	2,607	2,097	2,299	290	257	35	50	1,671	1,799	751	808
Last worked over 5 years ago	8,698	8,871	54	44	1,355	1,376	7,290	7,450	7,603	7,749	1,096	1,122
Last worked 1 to 5 years ago	3,613	3,731	547	539	982	1,043	2,085	2,150	3,086	3,147	528	585
Left job during previous 12 months	3,446	3,596	1,926	1,946	749	786	772	864	2,884	3,117	562	479
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	33.2	31.9	49.4	50.3	19.8	17.6	5.8	3.5	33.0	32.0	34.3	31.1
Ill health, disability	10.6	8.3	3.2	.9	25.8	22.3	14.4	12.2	9.8	8.6	14.9	6.1
Retirement, old age	15.4	17.3	--	--	12.0	13.5	57.1	59.7	17.6	18.6	4.1	8.8
Economic reasons	19.3	21.2	19.7	20.4	20.5	25.0	17.0	19.6	18.7	19.5	22.2	32.6
End of seasonal job	7.7	7.3	9.3	9.9	6.0	4.7	5.6	3.7	8.1	7.0	5.9	9.4
Slack work	6.6	8.6	5.5	6.1	11.0	14.8	5.2	8.3	5.8	7.5	10.7	15.2
End of temporary job	4.9	5.4	4.9	4.4	3.5	5.5	6.2	7.5	4.8	5.0	5.7	7.9
All other reasons	21.5	21.4	27.7	28.5	21.8	21.7	5.7	5.1	21.0	21.3	24.5	21.7
Females, not in labor force	42,859	43,116	7,149	7,068	18,611	18,501	17,098	17,547	37,205	37,287	5,654	5,829
Never worked	7,420	7,519	3,109	3,189	1,913	1,932	2,399	2,398	5,961	5,960	1,459	1,559
Last worked over 5 years ago	22,476	22,541	291	276	9,623	9,328	12,563	12,937	20,040	20,042	2,437	2,498
Last worked 1 to 5 years ago	7,041	7,546	1,405	1,412	4,122	4,535	1,515	1,600	6,022	6,471	1,019	1,076
Left job during previous 12 months	5,920	5,509	2,345	2,192	2,955	2,706	621	613	5,181	4,813	739	696
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.7	42.9	56.2	55.1	40.8	41.2	10.8	6.2	45.1	43.1	34.3	41.1
Ill health, disability	7.1	6.2	1.8	1.5	8.9	8.4	17.8	13.6	6.6	5.6	10.6	10.6
Retirement, old age	4.7	5.8	--	--	1.7	1.4	37.0	46.2	5.1	6.3	2.0	2.6
Economic reasons	24.1	24.1	17.9	17.8	29.3	29.5	22.7	22.9	23.1	24.0	30.8	24.4
End of seasonal job	8.2	8.1	6.4	7.2	10.1	9.1	5.8	6.7	7.6	7.6	11.9	10.9
Slack work	8.3	9.1	5.8	6.2	10.5	11.6	7.6	8.7	7.8	9.0	11.8	9.8
End of temporary job	7.6	6.9	5.6	4.4	8.8	8.8	9.3	7.5	7.7	7.4	7.1	3.7
All other reasons	20.4	21.0	24.1	25.6	19.3	19.5	11.7	11.1	20.1	21.0	22.3	21.4

A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race

[In thousands]

Work-seeking intentions, work history, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
Total	52,125	52,540	6,777	6,738	18,565	18,225	26,783	27,576	45,568	46,001	6,557	6,538
Do not intend to seek work	8,912	9,380	4,997	5,157	3,420	3,737	496	486	6,880	7,096	2,032	2,284
Intend to seek work in the next 12 months	1,854	2,063	1,704	1,891	148	171	2	1	1,277	1,340	577	723
Never worked	1,021	1,139	93	61	777	933	151	144	764	849	257	290
Last worked over 5 years ago	2,105	2,240	764	769	1,168	1,270	173	202	1,583	1,640	523	599
Last worked 1 to 5 years ago	3,932	3,939	2,434	2,436	1,326	1,363	170	140	3,256	3,268	675	671
Worked during previous 12 months												
Males	15,060	15,433	2,426	2,463	2,691	2,694	9,943	10,276	12,852	13,266	2,209	2,166
Do not intend to seek work	3,118	3,372	2,199	2,365	682	768	239	240	2,391	2,544	727	828
Intend to seek work in the next 12 months	803	936	774	898	29	37	--	1	562	608	241	328
Never worked	179	191	16	16	107	121	56	53	124	132	55	59
Last worked over 5 years ago	569	645	246	259	225	271	98	116	424	460	145	185
Last worked 1 to 5 years ago	1,567	1,601	1,163	1,192	322	339	83	70	1,281	1,345	286	255
Worked during previous 12 months												
Females	37,064	37,107	4,352	4,275	15,873	15,532	16,840	17,300	32,716	32,735	4,348	4,372
Do not intend to seek work	5,794	6,008	2,798	2,793	2,738	2,968	259	247	4,489	4,552	1,305	1,456
Intend to seek work in the next 12 months	1,051	1,127	931	993	119	134	2	--	715	732	336	395
Never worked	842	948	77	46	671	812	95	91	640	717	202	231
Last worked over 5 years ago	1,536	1,595	520	509	944	1,000	75	86	1,159	1,180	378	414
Last worked 1 to 5 years ago	2,365	2,339	1,271	1,246	1,005	1,023	87	70	1,975	1,923	389	416
Worked during previous 12 months												

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-59. Employment status of the noninstitutional population by sex, age, race, and Hispanic origin

[Numbers in thousands]

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
TOTAL								
Civilian noninstitutional population	169,837	172,020	147,671	149,309	18,171	18,541	9,199	9,320
Civilian labor force	108,798	110,099	95,222	96,211	11,058	11,210	5,941	5,975
Percent of population	64.1	64.0	64.5	64.4	60.9	60.5	64.6	64.1
Employed	100,873	99,833	89,156	88,308	9,388	9,136	5,363	5,188
Agriculture	3,547	3,526	3,258	3,256	215	200	260	256
Nonagricultural industries	97,326	96,307	85,898	85,053	9,173	8,937	5,103	4,932
Unemployed	7,926	10,266	6,066	7,903	1,670	2,074	578	787
Unemployment rate	7.3	9.3	6.4	8.2	15.1	18.5	9.7	13.2
Not in labor force	61,039	61,921	52,449	53,098	7,113	7,330	3,258	3,345
Males, 20 years and over								
Civilian noninstitutional population	72,251	73,492	63,568	64,564	6,984	7,165	3,853	3,861
Civilian labor force	57,271	57,983	50,773	51,256	5,217	5,341	3,280	3,266
Percent of population	79.3	78.9	79.9	79.4	74.7	74.5	85.1	84.6
Employed	53,873	53,178	48,117	47,488	4,554	4,446	3,005	2,900
Agriculture	2,445	2,473	2,227	2,269	166	154	199	197
Nonagricultural industries	51,428	50,705	45,890	45,219	4,388	4,292	2,806	2,703
Unemployed	3,398	4,805	2,656	3,768	663	895	276	366
Unemployment rate	5.9	8.3	5.2	7.4	12.7	16.8	8.4	11.2
Not in labor force	14,980	15,509	12,794	13,308	1,767	1,824	573	595
Females, 20 years and over								
Civilian noninstitutional population	81,312	82,703	70,527	71,613	8,894	9,120	4,176	4,293
Civilian labor force	42,306	43,407	36,294	37,212	4,952	5,078	2,101	2,156
Percent of population	52.0	52.5	51.5	52.0	55.7	55.7	50.3	50.2
Employed	39,596	39,974	34,299	34,657	4,307	4,306	1,934	1,888
Agriculture	635	640	595	593	23	31	33	30
Nonagricultural industries	38,961	39,334	33,704	34,064	4,284	4,275	1,901	1,858
Unemployed	2,710	3,433	1,996	2,554	645	772	167	267
Unemployment rate	6.4	7.9	5.5	6.9	13.0	15.2	7.9	12.4
Not in labor force	39,006	39,296	34,233	34,401	3,943	4,041	2,076	2,137
Both sexes, 16-19 years								
Civilian noninstitutional population	16,275	15,825	13,576	13,132	2,293	2,256	1,170	1,167
Civilian labor force	9,221	8,709	8,155	7,743	890	791	563	554
Percent of population	56.7	55.0	60.1	59.0	38.8	35.1	47.9	47.5
Employed	7,405	6,681	6,741	6,163	527	384	424	400
Agriculture	467	412	437	394	27	15	29	29
Nonagricultural industries	6,938	6,268	6,304	5,769	501	369	396	371
Unemployed	1,817	2,028	1,415	1,580	362	407	135	153
Unemployment rate	19.7	23.3	17.3	20.4	40.7	51.5	24.2	27.7
Not in labor force	7,053	7,116	5,421	5,389	1,403	1,465	610	613

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

**A-60 Employment status of persons of Mexican, Puerto Rican, and Cuban origin
by sex and age**

[Numbers in thousands]

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1981
TOTAL								
Civilian noninstitutional population	9,199	9,320	5,612	5,607	1,131	1,186	730	713
Civilian labor force	5,941	5,975	3,759	3,732	567	599	479	452
Percent of population	64.6	64.1	67.0	66.6	50.1	50.5	65.6	63.4
Employed	5,363	5,188	3,382	3,265	492	496	445	403
Agriculture	260	256	236	233	6	4	3	4
Nonagricultural industries	5,103	4,932	3,147	3,032	486	492	442	400
Unemployed	578	787	376	467	75	103	34	49
Unemployment rate	9.7	13.2	10.0	12.5	13.2	17.2	7.0	10.8
Not in labor force	3,258	3,345	1,853	1,875	564	587	251	261
Males, 20 years and over								
Civilian noninstitutional population	3,853	3,861	2,435	2,385	422	434	321	311
Civilian labor force	3,280	3,266	2,134	2,082	318	336	261	236
Percent of population	85.1	84.6	87.6	87.3	75.4	77.4	81.3	75.9
Employed	3,005	2,900	1,956	1,852	279	287	244	221
Agriculture	199	197	181	177	4	3	3	4
Nonagricultural industries	2,806	2,703	1,775	1,675	275	284	241	217
Unemployed	276	366	178	230	40	49	17	16
Unemployment rate	8.4	11.2	8.3	11.0	12.5	14.7	6.3	6.6
Not in labor force	572	595	301	303	104	98	60	75
Females, 20 years and over								
Civilian noninstitutional population	4,176	4,293	2,430	2,458	548	589	341	343
Civilian labor force	2,101	2,156	1,208	1,249	214	216	193	185
Percent of population	50.3	50.2	49.7	50.8	39.1	36.7	56.6	53.9
Employed	1,934	1,888	1,107	1,122	196	179	181	160
Agriculture	33	30	27	28	3	1	--	--
Nonagricultural industries	1,901	1,858	1,080	1,094	194	178	181	160
Unemployed	167	267	101	127	17	37	12	24
Unemployment rate	7.9	12.4	8.4	10.2	8.2	17.2	6.4	13.2
Not in labor force	2,076	2,137	1,222	1,209	334	373	147	158
Both sexes, 16-19 years								
Civilian noninstitutional population	1,170	1,167	747	764	162	163	68	59
Civilian labor force	560	554	417	402	35	47	24	32
Percent of population	47.9	47.5	55.8	52.6	21.6	28.8	35.3	(2)
Employed	424	400	319	291	17	30	20	23
Agriculture	29	29	27	28	--	--	--	--
Nonagricultural industries	396	371	292	263	17	30	20	23
Unemployed	135	153	98	111	18	17	5	9
Unemployment rate	24.2	27.7	23.4	27.5	(2)	(2)	(2)	(2)
Not in labor force	610	613	330	363	127	116	44	27

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-61. Employed persons by selected social and economic categories, race, and Hispanic origin

[In thousands]

Category	Total		Whites		Black and other		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
CHARACTERISTIC								
Total, 16 years and over	100,873	99,833	89,156	88,308	11,717	11,524	5,363	5,188
Males	57,829	56,684	51,705	50,710	6,124	5,974	3,256	3,123
Females	43,044	43,148	37,451	37,598	5,593	5,550	2,107	2,065
OCCUPATION								
White-collar workers	52,709	53,263	47,967	48,480	4,742	4,783	1,906	1,886
Professional and technical	16,172	16,847	14,576	15,215	1,596	1,632	448	424
Managers and administrators, except farm ...	11,371	11,384	10,740	10,749	631	636	342	332
Sales workers	6,434	6,554	6,103	6,193	331	361	207	210
Clerical workers	18,732	18,477	16,548	16,323	2,184	2,154	909	920
Blue-collar workers	31,837	30,020	27,749	26,186	4,088	3,834	2,406	2,252
Craft and kindred workers	12,889	12,403	11,777	11,377	1,113	1,026	686	698
Operatives, except transport	10,647	9,591	8,971	8,036	1,676	1,556	1,089	965
Transport equipment operatives	3,474	3,400	2,925	2,903	548	497	210	221
Nonfarm laborers	4,827	4,626	4,076	3,870	751	756	421	368
Service workers	13,452	13,766	10,786	11,073	2,667	2,693	842	858
Farm workers	2,875	2,783	2,655	2,569	220	214	210	193
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,580	1,549	1,364	1,349	216	200	221	226
Self-employed workers	1,673	1,694	1,605	1,628	68	66	33	29
Unpaid family workers	294	283	289	279	5	4	5	1
Nonagricultural industries:								
Wage and salary workers	89,822	88,554	78,893	77,809	10,928	10,745	4,829	4,657
Government	15,833	15,553	13,257	13,020	2,575	2,533	684	682
Private industries	73,989	73,001	65,636	64,789	8,353	8,212	4,145	3,976
Private households	1,201	1,195	818	871	383	323	85	88
Other industries	72,788	71,806	64,818	63,918	7,970	7,889	4,060	3,888
Self-employed workers	7,125	7,325	6,648	6,849	477	476	254	255
Unpaid family workers	379	427	357	393	22	34	21	20
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	81,794	79,348	72,170	69,977	9,624	9,371	4,510	4,196
Part time for economic reasons	4,473	6,039	3,664	5,080	810	959	319	421
Part time for noneconomic reasons	14,606	14,446	13,323	13,251	1,283	1,195	534	571

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-62. Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

[In thousands]

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
CHARACTERISTIC								
Total, 16 years and over.....	5,363	5,188	3,382	3,265	492	496	445	403
Males	3,256	3,123	2,150	2,017	287	303	256	232
Females	2,107	2,065	1,232	1,248	205	193	189	172
OCCUPATION								
White-collar workers	1,906	1,886	1,087	1,076	198	208	191	181
Professional and technical	448	424	249	219	48	52	40	46
Managers and administrators, except farm ...	342	332	190	188	29	34	45	36
Sales workers	207	210	118	118	13	16	22	25
Clerical workers	909	920	530	551	108	106	84	74
Blue-collar workers	2,406	2,252	1,616	1,486	218	200	195	161
Craft and kindred workers	686	698	468	467	52	49	58	56
Operatives, except transport	1,089	965	678	600	127	98	102	78
Transport equipment operatives	210	221	142	151	14	29	15	10
Nonfarm laborers	421	368	328	268	25	24	20	17
Service workers	842	858	483	522	75	85	57	61
Farm workers	210	193	195	181	1	2	2	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	221	226	207	217	4	2	2	--
Self-employed workers	33	29	24	16	2	1	2	4
Unpaid family workers	5	1	4	--	1	1	--	--
Nonagricultural industries:								
Wage and salary workers	4,829	4,657	3,014	2,878	465	478	397	357
Government	684	682	470	462	65	73	25	28
Private industries	4,145	3,976	2,544	2,415	400	406	372	329
Private households	85	88	44	57	4	--	1	--
Other industries	4,060	3,888	2,500	2,358	396	406	371	329
Self-employed workers	254	255	122	142	17	11	44	42
Unpaid family workers	21	20	12	12	3	2	--	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,510	4,196	2,828	2,582	434	434	381	336
Part time for economic reasons	319	421	223	317	21	28	27	19
Part time for noneconomic reasons	534	571	332	367	37	35	37	49

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-63. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
Total, 16 years and over	100,873	99,833	89,156	88,308	9,388	9,137	5,363	5,188
16 to 19 years	7,405	6,681	6,741	6,163	527	384	424	400
16 to 17 years	2,912	2,563	2,678	2,406	179	109	147	128
18 to 19 years	4,493	4,117	4,063	3,757	348	275	277	273
20 to 24 years	14,131	13,751	12,451	12,176	1,364	1,267	949	873
25 years and over	79,337	79,401	69,964	69,969	7,496	7,485	3,990	3,915
25 to 54 years	64,700	64,978	56,715	56,928	6,320	6,350	3,572	3,494
55 years and over	14,637	14,423	13,249	13,041	1,176	1,135	418	421
Males, 16 years and over	57,829	56,684	51,705	50,710	4,843	4,651	3,256	3,123
16 to 19 years	3,956	3,506	3,588	3,222	290	205	252	223
16 to 17 years	1,566	1,398	1,424	1,312	109	56	89	76
18 to 19 years	2,390	2,108	2,164	1,909	181	149	163	147
20 to 24 years	7,559	7,268	6,690	6,444	701	655	578	526
25 years and over	46,314	45,910	41,427	41,044	3,853	3,791	2,427	2,374
25 to 54 years	37,502	37,271	33,362	33,152	3,231	3,196	2,154	2,103
55 years and over	8,812	8,640	8,065	7,892	622	596	273	272
Females, 16 years and over	43,044	43,148	37,451	37,598	4,545	4,485	2,107	2,065
16 to 19 years	3,448	3,174	3,152	2,941	238	179	173	177
16 to 17 years	1,346	1,165	1,253	1,093	70	53	58	51
18 to 19 years	2,102	2,009	1,899	1,848	167	126	114	126
20 to 24 years	6,573	6,483	5,761	5,732	664	612	370	347
25 years and over	33,023	33,491	28,538	28,926	3,643	3,695	1,564	1,541
25 to 54 years	27,199	27,707	23,353	23,776	3,089	3,154	1,419	1,391
55 years and over	5,825	5,785	5,185	5,149	554	540	145	149

A-64. Unemployment rates by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
Total, 16 years and over	7.3	9.3	6.4	8.2	15.1	18.5	9.7	13.2
16 to 19 years	19.7	23.3	17.3	20.4	40.7	51.5	24.2	27.7
16 to 17 years	23.0	25.8	20.4	23.4	47.7	56.5	28.3	34.2
18 to 19 years	17.4	21.6	15.2	18.4	36.4	49.1	21.8	24.2
20 to 24 years	12.2	14.5	10.4	12.4	25.5	29.7	13.8	16.9
25 years and over	5.0	6.9	4.4	6.2	10.1	13.1	6.8	10.4
25 to 54 years	5.3	7.4	4.7	6.5	10.9	14.0	6.8	10.5
55 years and over	3.3	4.9	3.0	4.6	5.5	7.9	7.1	10.0
Males, 16 years and over	7.0	9.4	6.2	8.4	15.0	19.4	9.8	12.7
16 to 19 years	19.7	24.0	17.3	21.1	40.2	52.1	23.3	28.4
16 to 17 years	23.0	25.7	20.4	23.2	44.9	58.4	29.3	34.4
18 to 19 years	17.3	22.7	15.0	19.6	36.9	49.2	19.6	24.8
20 to 24 years	13.0	15.6	11.5	13.6	25.1	30.1	15.2	17.6
25 years and over	4.7	7.0	4.1	6.3	10.0	13.9	6.6	9.7
25 to 54 years	5.0	7.5	4.4	6.7	10.6	14.6	6.4	9.7
55 years and over	3.3	5.0	2.9	4.5	6.7	10.3	8.1	9.0
Females, 16 years and over	7.6	9.2	6.6	8.0	15.2	17.6	9.7	13.9
16 to 19 years	19.7	22.5	17.4	19.6	41.4	50.7	25.4	26.8
16 to 17 years	22.9	25.9	20.3	23.6	51.5	54.4	26.6	33.8
18 to 19 years	17.6	20.4	15.4	17.1	35.8	48.9	24.8	23.5
20 to 24 years	11.3	13.2	9.2	10.9	26.0	29.4	11.6	16.0
25 years and over	5.4	6.8	4.7	6.3	10.2	12.3	7.1	11.5
25 to 54 years	5.8	7.2	5.0	6.3	11.2	13.4	7.3	11.6
55 years and over	3.3	4.8	3.2	4.8	4.2	5.3	5.2	11.2

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A-65. Unemployed persons by duration of unemployment, race, and Hispanic origin

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
DURATION								
Total, 16 years and over	7,926	10,266	6,066	7,903	1,859	2,364	578	787
Less than 5 weeks	3,409	3,898	2,661	3,030	749	868	275	313
5 to 14 weeks	2,097	2,830	1,618	2,192	479	639	164	239
15 weeks and over	2,420	3,538	1,788	2,681	632	857	139	235
15 to 26 weeks	1,231	1,821	947	1,419	284	402	88	123
27 weeks and over	1,189	1,717	841	1,262	348	455	51	112
Average (mean) duration, in weeks	14.2	15.5	13.5	15.0	16.5	17.0	10.7	14.0
Median duration, in weeks	6.8	8.6	6.6	8.4	7.8	9.2	5.7	7.7
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.0	38.0	43.9	38.3	40.3	36.7	47.6	39.8
5 to 14 weeks	26.5	27.6	26.7	27.7	25.8	27.0	28.4	30.4
15 weeks and over	30.5	34.5	29.5	33.9	34.0	36.3	24.0	29.9
15 to 26 weeks	15.5	17.7	15.6	18.0	15.3	17.0	15.2	15.6
27 weeks and over	15.0	16.7	13.9	16.0	18.7	19.2	8.8	14.2

A-66. Unemployed persons by reason for unemployment, race, and Hispanic origin

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,926	10,266	6,066	7,903	1,859	2,364	578	787
Job losers	3,896	5,817	3,047	4,588	849	1,229	325	471
On layoff	1,224	1,865	1,039	1,572	185	293	95	114
Other job losers	2,672	3,952	2,008	3,016	664	936	232	356
Job leavers	870	815	709	679	160	136	64	75
Reentrants	2,086	2,424	1,549	1,779	537	645	117	150
New entrants	1,073	1,210	761	857	313	354	71	91
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.1	56.7	50.2	58.1	45.6	52.0	56.5	59.8
On layoff	15.4	18.2	17.1	19.9	9.9	12.4	16.4	14.5
Other job losers	33.7	38.5	33.1	38.2	35.7	39.6	40.1	45.3
Job leavers	11.0	7.9	11.7	8.6	8.6	5.8	11.1	9.5
Reentrants	26.3	23.6	25.5	22.5	28.9	27.3	20.2	19.1
New entrants	13.5	11.8	12.5	10.8	16.8	15.0	12.3	11.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.6	5.3	3.2	4.8	6.3	8.8	5.5	7.9
Job leavers8	.7	.7	.7	1.2	1.0	1.1	1.3
Reentrants	1.9	2.2	1.6	1.8	4.0	4.6	2.0	2.5
New entrants	1.0	1.1	.8	.9	2.3	2.5	1.2	1.5

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A-67. Employment status of male Vietnam-era veterans and nonveterans by age

[Numbers in thousands]

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	
VETERANS										
Total 25 years and over	8,525	8,681	8,086	8,193	7,647	7,494	439	700	5.4	8.5
25 to 29 years	7,323	7,172	7,044	6,876	6,537	6,244	407	633	5.8	9.2
30 to 34 years	1,516	1,252	1,417	1,157	1,283	958	134	199	9.5	17.2
35 to 39 years	3,368	2,988	3,256	2,870	3,080	2,629	176	241	5.4	8.4
40 years and over	2,439	2,932	2,371	2,849	2,274	2,657	97	192	4.1	6.7
	1,202	1,509	1,042	1,317	1,010	1,250	32	67	3.1	5.1
NONVETERANS										
Total, 25 to 39 years	17,096	18,087	16,223	17,165	15,275	15,713	949	1,451	5.8	8.5
25 to 29 years	7,817	8,129	7,385	7,672	6,872	6,909	513	763	7.0	9.9
30 to 34 years	5,415	5,907	5,162	5,660	4,886	5,213	276	447	5.3	7.9
35 to 39 years	3,864	4,052	3,676	3,832	3,516	3,591	159	241	4.3	6.3

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 6, 1964 and May 7, 1975. Nonveterans are males who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-68. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

[Numbers in thousands]

Employment status and age	Veterans						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
Total, 25 to 39 years:												
Civilian noninstitutional population	6,537	6,422	786	750	254	292	14,723	15,574	2,373	2,514	1,311	1,361
Civilian labor force	6,337	6,197	708	679	242	281	14,131	14,926	2,093	2,239	1,229	1,278
Employed	6,006	5,679	632	564	225	250	13,398	13,819	1,878	1,894	1,144	1,151
Unemployed	331	518	76	115	17	31	733	1,107	215	345	85	127
Unemployment rate	5.2	8.4	10.7	16.9	7.0	11.0	5.2	7.4	10.3	15.4	6.9	9.9
25 to 29 years												
Civilian noninstitutional population	1,297	1,097	219	155	77	52	6,811	7,048	1,006	1,081	573	603
Civilian labor force	1,228	1,027	189	129	71	51	6,495	6,726	890	946	537	566
Employed	1,126	860	157	97	65	43	6,087	6,141	785	768	497	506
Unemployed	102	167	32	32	6	8	408	585	105	178	40	60
Unemployment rate	8.3	16.3	16.9	24.8	8.5	15.7	6.3	8.7	11.8	18.8	7.4	10.6
30 to 34 years												
Civilian noninstitutional population	3,021	2,651	347	337	103	136	4,633	5,086	782	821	436	429
Civilian labor force	2,942	2,563	315	308	99	129	4,479	4,910	684	750	415	414
Employed	2,795	2,372	286	257	93	116	4,271	4,571	616	641	383	371
Unemployed	147	191	29	51	6	13	208	339	68	109	32	43
Unemployment rate	5.0	7.5	9.2	16.6	6.1	10.1	4.6	6.9	9.9	14.5	7.7	10.4
35 to 39 years												
Civilian noninstitutional population	2,219	2,674	220	258	74	104	3,279	3,440	585	612	302	329
Civilian labor force	2,167	2,607	204	242	72	101	3,157	3,290	519	543	277	298
Employed	2,085	2,447	189	210	67	91	3,040	3,107	477	485	264	274
Unemployed	82	160	15	32	5	10	117	183	42	58	13	24
Unemployment rate	3.8	6.1	7.4	13.2	6.9	9.9	3.6	5.6	8.1	10.7	4.7	8.1

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A-69. Employment status of the noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
TOTAL												
Civilian noninstitutional population	115,751	117,501	47,422	48,073	68,329	69,429	54,086	54,519	4,436	4,107	49,650	50,412
Civilian labor force	75,124	76,315	29,770	30,230	45,354	46,085	33,674	33,784	2,909	2,729	30,765	31,055
Percent of population	64.9	64.9	62.8	62.9	66.4	66.4	62.3	62.0	65.6	66.5	62.0	61.6
Employed	69,737	69,390	27,249	27,012	42,488	42,378	31,136	30,443	2,813	2,601	28,323	27,842
Unemployed	5,387	6,925	2,520	3,218	2,867	3,706	2,538	3,341	96	128	2,442	3,213
Unemployment rate	7.2	9.1	8.5	10.6	6.3	8.0	7.5	9.9	3.3	4.7	7.9	10.3
Not in labor force	40,627	41,186	17,652	17,843	22,975	23,344	20,413	20,735	1,527	1,378	18,886	19,357
Males, 20 years and over												
Civilian noninstitutional population	49,229	50,194	19,898	20,250	29,331	29,944	23,021	23,298	2,023	1,875	20,998	21,423
Civilian labor force	39,390	40,051	15,323	15,676	24,067	24,376	17,881	17,932	1,661	1,570	16,220	16,362
Percent of population	80.0	79.8	77.0	77.4	82.1	81.4	77.7	77.0	82.1	83.7	77.2	76.4
Employed	37,074	36,768	14,197	14,103	22,877	22,665	16,799	16,410	1,630	1,515	15,169	14,895
Unemployed	2,317	3,283	1,126	1,572	1,191	1,711	1,082	1,522	31	55	1,051	1,467
Unemployment rate	5.9	8.2	7.3	10.0	4.9	7.0	6.0	8.5	1.9	3.3	6.5	9.0
Not in labor force	9,839	10,143	4,575	4,575	5,264	5,569	5,141	5,366	363	305	4,778	5,061
Females, 20 years and over												
Civilian noninstitutional population	55,575	56,562	23,352	23,729	32,223	32,832	25,737	26,141	1,929	1,813	23,808	24,328
Civilian labor force	29,563	30,387	12,289	12,507	17,274	17,880	12,743	13,020	934	888	11,809	12,132
Percent of population	53.2	53.7	52.6	52.7	53.6	54.5	49.5	49.8	48.4	49.0	49.6	49.9
Employed	27,737	28,088	11,427	11,430	16,310	16,659	11,859	11,886	894	849	10,965	11,037
Unemployed	1,826	2,299	864	1,077	962	1,222	884	1,134	40	40	844	1,094
Unemployment rate	6.2	7.6	7.0	8.6	5.6	6.8	6.9	8.7	4.2	4.5	7.1	9.0
Not in labor force	26,012	26,174	11,061	11,223	14,951	14,951	12,994	13,122	996	925	11,998	12,197
Both sexes, 16-19 years												
Civilian noninstitutional population	10,947	10,745	4,172	4,092	6,775	6,653	5,328	5,080	483	419	4,845	4,661
Civilian labor force	6,171	5,876	2,157	2,047	4,014	3,830	3,050	2,833	315	271	2,735	2,562
Percent of population	56.4	54.7	51.7	50.0	59.2	57.6	57.2	55.8	65.1	64.6	56.4	55.0
Employed	4,926	4,533	1,626	1,478	3,300	3,056	2,478	2,147	289	237	2,189	1,910
Unemployed	1,245	1,343	531	570	714	774	572	686	26	33	546	653
Unemployment rate	20.2	22.9	24.6	27.8	17.8	20.2	18.7	24.2	8.3	12.3	20.0	25.5
Not in labor force	4,776	4,869	2,015	2,045	2,761	2,824	2,278	2,248	168	148	2,110	2,100
White												
Civilian noninstitutional population	98,498	99,889	35,577	35,964	62,921	63,926	49,173	49,420	4,175	3,914	44,998	45,506
Civilian labor force	64,421	65,348	22,716	23,020	41,705	42,328	30,801	30,863	2,758	2,622	28,043	28,241
Percent of population	65.4	65.4	63.9	64.0	66.3	66.2	62.6	62.5	66.0	67.0	62.3	62.1
Employed	60,491	60,249	21,243	21,107	39,248	39,142	28,665	28,059	2,678	2,513	25,987	25,546
Unemployed	3,930	5,099	1,472	1,913	2,458	3,186	2,136	2,804	80	110	2,056	2,694
Unemployment rate	6.1	7.8	6.5	8.3	5.9	7.5	6.9	9.1	2.9	4.2	7.3	9.5
Not in labor force	34,077	34,541	12,862	12,943	21,215	21,598	18,372	18,557	1,418	1,292	16,954	17,265
Black and other												
Civilian noninstitutional population	17,252	17,612	11,844	12,109	5,408	5,503	4,913	5,100	261	193	4,652	4,907
Civilian labor force	10,703	10,966	7,054	7,209	3,649	3,758	2,873	2,922	151	107	2,722	2,815
Percent of population	62.0	62.3	59.6	59.5	67.5	68.3	58.5	57.3	58.1	55.4	58.5	57.4
Employed	9,246	9,140	6,006	5,904	3,240	3,236	2,471	2,384	135	89	2,336	2,295
Unemployed	1,457	1,826	1,048	1,305	409	521	402	538	17	18	385	520
Unemployment rate	13.6	16.7	14.9	18.1	11.2	13.9	14.0	18.4	11.1	16.8	14.1	18.5
Not in labor force	6,549	6,645	4,791	4,900	1,758	1,746	2,041	2,178	109	86	1,932	2,092

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A-70. Employment status of the noninstitutional population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
TOTAL												
Civilian noninstitutional population	30,261	29,955	139,576	142,066	11,590	11,233	104,160	106,268	18,671	18,721	35,415	35,798
Civilian labor force	17,185	16,929	91,612	93,170	6,364	6,112	68,759	70,203	10,821	10,817	22,853	22,967
Percent of population	56.8	56.5	65.6	65.6	54.9	54.4	66.0	66.1	58.0	57.8	64.5	64.2
Employed	15,412	14,771	85,461	85,062	5,449	5,081	64,288	64,309	9,963	9,690	21,173	20,753
Unemployed	1,774	2,158	6,151	8,109	916	1,031	4,471	5,894	858	1,127	1,680	2,214
Unemployment rate	10.3	12.7	6.7	8.9	14.4	16.9	6.5	8.4	7.9	10.4	7.4	9.6
Not in labor force	13,076	13,026	47,963	48,895	5,226	5,122	35,401	36,865	7,850	7,904	12,563	12,831
White												
Civilian noninstitutional population	21,355	21,072	126,316	128,237	5,902	5,686	92,596	94,203	15,453	15,386	33,720	34,034
Civilian labor force	12,486	12,306	82,736	83,905	3,415	3,244	61,005	62,104	9,070	9,062	21,731	21,801
Percent of population	58.5	58.4	65.5	65.4	57.9	57.1	65.9	65.9	58.7	58.9	64.4	64.1
Employed	11,511	11,121	77,645	77,187	3,053	2,841	57,437	57,408	8,458	8,280	20,208	19,779
Unemployed	975	1,185	5,091	6,718	362	403	3,568	4,696	613	782	1,523	2,022
Unemployment rate	7.8	9.6	6.2	8.0	10.6	12.4	5.8	7.6	6.8	8.6	7.0	9.3
Not in labor force	8,870	8,766	43,580	44,332	2,487	2,442	31,590	32,099	6,383	6,324	11,989	12,233
Black and other												
Civilian noninstitutional population	8,906	8,883	13,260	13,829	5,688	5,547	11,565	12,064	3,218	3,335	1,695	1,764
Civilian labor force	4,700	4,623	8,876	9,265	2,949	2,867	7,754	8,099	1,751	1,755	1,122	1,166
Percent of population	52.8	52.0	66.9	67.0	51.8	51.7	67.1	67.1	54.4	52.6	66.2	66.1
Employed	3,901	3,650	7,816	7,874	2,395	2,240	6,851	6,901	1,505	1,410	965	974
Unemployed	799	973	1,060	1,391	554	628	903	1,198	245	345	157	193
Unemployment rate	17.0	21.0	11.9	15.0	18.8	21.9	11.7	14.8	14.0	19.7	14.0	16.5
Not in labor force	4,206	4,260	4,384	4,563	2,739	2,680	3,811	3,966	1,467	1,580	573	598

A-71. Unemployment rates in poverty and nonpoverty areas by race, sex, and age

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982	II 1981	II 1982
TOTAL												
Both sexes, 16 years and over	10.3	12.7	6.7	8.7	14.4	16.9	6.5	8.4	7.9	10.4	7.4	9.6
Males, 20 years and over	8.6	10.9	5.4	7.8	12.8	15.5	5.3	7.6	6.3	8.5	5.9	8.5
Females, 20 years and over	9.3	11.1	5.9	7.3	12.2	13.5	5.6	7.0	7.5	9.7	6.7	8.3
Both sexes, 16-19 years	25.0	32.5	18.7	21.6	34.3	44.5	18.8	21.0	19.8	26.5	18.3	23.1
White												
Both sexes, 16 years and over	7.8	9.6	6.2	8.0	10.6	12.4	5.8	7.6	6.8	8.6	7.0	9.3
Males, 20 years and over	6.7	8.2	5.0	7.2	9.8	11.3	4.8	6.8	5.5	7.1	5.7	8.3
Females, 20 years and over	6.8	8.3	5.3	6.7	8.7	9.7	4.9	6.2	6.1	7.9	6.4	7.8
Both sexes, 16-19 years	19.3	24.9	17.1	19.7	25.0	34.2	17.0	18.9	17.3	22.0	17.3	22.1
Black and other												
Both sexes, 16 years and over	17.0	21.0	11.9	15.0	18.8	21.9	11.7	14.8	14.0	19.7	14.0	16.5
Males, 20 years and over	14.6	19.3	9.8	13.5	16.9	21.2	9.6	13.6	10.8	16.4	11.2	12.9
Females, 20 years and over	15.0	17.2	10.3	12.7	15.6	17.0	10.1	12.3	13.8	17.5	11.9	15.5
Both sexes, 16-19 years	39.2	53.7	36.7	42.1	43.5	56.2	36.6	42.4	32.1	50.0	37.3	40.4

**HOUSEHOLD DATA
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A-72. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	II 1981					II 1982				
	Total families	With unemployment:			Total families	With unemployment:				
		Total	Percent of families:			Total	Percent of families:			
			With no employed person in family	With at least one employed person in family			With at least one person in family employed full time	With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	61,038	6,184	26.9	73.1	64.8	61,599	7,724	30.1	69.9	60.1
With children under 18 years of age	31,302	3,940	28.5	71.5	63.8	31,082	4,764	32.0	68.0	58.2
Married-couple families	49,256	4,486	19.0	81.0	73.1	49,561	5,773	23.1	76.9	67.4
With children under 18 years of age	24,712	2,898	18.6	81.4	73.8	24,396	3,636	23.5	76.5	66.9
Families maintained by females	9,305	1,391	50.2	49.8	39.9	9,544	1,584	53.8	46.2	35.6
With children under 18 years of age	5,737	928	57.1	42.9	33.8	5,828	990	61.1	38.9	29.1
Families maintained by males	2,477	306	37.8	62.2	55.0	2,493	368	38.9	61.1	49.7
With children under 18 years of age	858	113	43.4	56.6	52.2	859	137	49.3	50.7	39.9
White										
Total families	53,189	4,806	24.4	75.6	67.4	53,543	6,011	27.6	72.4	62.5
With children under 18 years of age	26,484	3,030	25.8	74.2	66.2	26,156	3,638	28.7	71.3	61.2
Married-couple families	46,747	3,776	18.7	81.3	73.5	44,876	4,806	22.8	77.2	67.7
With children under 18 years of age	22,032	2,411	18.7	81.3	73.5	21,623	2,987	23.3	76.7	66.9
Families maintained by females	6,437	808	48.2	51.8	41.1	6,642	935	49.0	51.0	39.4
With children under 18 years of age	3,779	533	55.3	44.7	34.6	3,835	549	55.3	44.7	32.7
Families maintained by males	2,005	222	35.3	64.7	58.9	2,025	269	38.5	61.5	49.6
With children under 18 years of age	673	85	39.5	60.5	57.0	698	102	46.1	53.9	43.1
Black										
Total families	6,569	1,243	36.4	63.6	54.8	6,713	1,512	40.4	59.6	50.1
With children under 18 years of age	3,996	819	38.4	61.6	54.4	4,088	996	44.2	55.8	47.1
Married-couple families	3,503	608	21.1	78.9	69.9	3,602	805	24.4	75.6	65.8
With children under 18 years of age	2,004	417	18.9	81.1	79.4	2,071	541	24.0	76.0	66.5
Families maintained by females	2,625	558	52.3	47.7	39.4	2,710	618	61.2	38.8	29.4
With children under 18 years of age	1,839	377	58.8	41.2	33.8	1,870	421	68.9	31.1	23.3
Families maintained by males	392	77	43.4	56.6	47.4	401	88	41.6	58.4	50.6
With children under 18 years of age	153	26	(1)	(1)	(1)	147	34	(1)	(1)	(1)
Hispanic origin										
Total families	3,364	468	28.6	71.4	62.6	3,335	606	32.7	67.3	56.3
With children under 18 years of age	2,317	342	32.0	68.0	61.0	2,247	412	34.7	65.3	54.9
Married-couple families	2,442	335	22.2	77.8	69.8	2,437	460	28.1	71.9	61.6
With children under 18 years of age	1,694	251	23.8	76.2	69.0	1,676	332	31.0	69.0	59.9
Families maintained by females	729	105	49.0	51.0	36.5	719	120	47.9	52.1	38.7
With children under 18 years of age	545	80	57.5	42.5	33.8	514	72	51.4	48.6	34.7
Families maintained by males	193	28	(1)	(1)	(1)	180	26	(1)	(1)	(1)
With children under 18 years of age	78	11	(1)	(1)	(1)	57	9	(1)	(1)	(1)

¹ Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-73. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1981				II 1982			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed	7,926	39.2	60.8	53.5	10,266	42.1	57.9	49.6
In families	6,781	28.9	71.1	62.5	8,798	32.5	67.5	57.9
Husbands	1,509	44.4	55.6	41.7	2,352	45.4	54.6	40.6
With children under 18 years of age	992	47.8	52.2	37.9	1,552	49.4	50.6	35.4
Wives	1,306	16.6	83.4	78.5	1,699	22.2	77.8	70.6
With children under 18 years of age	854	14.4	85.6	80.8	1,072	20.1	79.9	73.3
Relatives in married-couple families	2,069	7.1	92.9	86.7	2,506	10.5	89.5	83.5
Females who maintain families	551	84.9	15.1	9.1	652	85.4	14.6	7.2
With children under 18 years of age	469	88.2	11.8	6.7	538	90.4	9.6	3.6
Relatives in families maintained by females	1,007	32.3	67.7	55.9	1,184	36.0	64.0	51.3
Males who maintain families	135	66.7	33.3	25.2	170	65.6	34.4	23.2
With children under 18 years of age	68	87.1	12.9	10.4	75	86.0	14.0	4.0
Relatives in families maintained by males	203	21.9	78.1	70.0	234	22.4	77.6	65.2
Not in families ¹	1,145	—	—	—	1,468	—	—	—
White								
Total unemployed	6,066	37.3	62.7	55.5	7,903	40.8	59.2	50.9
In families	5,169	26.4	73.6	65.1	6,707	30.2	69.8	60.0
Husbands	1,260	44.7	55.3	40.7	1,957	45.1	54.9	40.2
With children under 18 years of age	822	48.8	51.2	36.1	1,271	49.8	50.2	34.1
Wives	1,100	15.9	84.1	79.3	1,395	20.6	79.4	72.1
With children under 18 years of age	704	13.8	86.2	81.3	855	17.9	82.1	74.9
Relatives in married-couple families	1,702	6.1	93.9	88.5	2,015	10.6	89.4	83.9
Females who maintain families	313	81.8	18.2	10.3	368	80.8	19.2	9.0
With children under 18 years of age	267	86.9	13.1	7.1	289	87.4	12.6	4.2
Relatives in families maintained by females	555	30.7	69.3	57.1	685	33.2	66.8	54.4
Males who maintain families	94	66.7	33.3	24.7	122	69.9	30.1	18.3
With children under 18 years of age	37	(2)	(2)	(2)	52	(2)	(2)	(2)
Relatives in families maintained by males	145	21.2	78.8	72.8	166	19.8	80.2	67.6
Not in families ¹	897	—	—	—	1,196	—	—	—
Black								
Total unemployed	1,670	45.9	54.1	46.3	2,074	47.2	52.8	44.6
In families	1,455	37.8	62.2	53.2	1,845	40.6	59.4	50.1
Husbands	213	43.0	57.0	46.9	327	47.7	52.3	41.2
With children under 18 years of age	150	42.6	57.4	47.9	233	46.7	53.3	42.1
Wives	174	21.3	78.7	72.2	244	29.9	70.1	63.7
With children under 18 years of age	128	17.4	82.6	77.0	177	28.3	71.7	65.8
Relatives in married-couple families	314	11.6	88.4	78.2	421	8.9	91.1	82.4
Females who maintain families	223	89.5	10.5	7.4	277	91.3	8.7	5.0
With children under 18 years of age	190	90.8	9.2	6.1	242	93.9	6.1	2.8
Relatives in families maintained by females	442	33.7	66.3	55.5	475	39.7	60.3	46.8
Males who maintain families	35	(2)	(2)	(2)	43	(2)	(2)	(2)
With children under 18 years of age	16	(2)	(2)	(2)	21	(2)	(2)	(2)
Relatives in families maintained by males	52	(2)	(2)	(2)	59	(2)	(2)	(2)
Not in families ¹	215	—	—	—	229	—	—	—
Hispanic origin								
Total unemployed	578	37.9	62.1	52.9	787	43.7	56.3	46.9
In families	510	29.5	70.5	60.1	704	37.2	62.8	52.3
Husbands	129	48.9	51.1	39.2	199	53.2	46.8	35.1
With children under 18 years of age	105	52.4	47.6	36.9	156	58.8	41.2	30.9
Wives	79	13.1	86.9	81.0	147	22.7	77.3	68.3
With children under 18 years of age	62	12.1	87.9	83.0	107	21.7	78.3	68.4
Relatives in married-couple families	155	7.4	92.6	81.5	190	18.4	81.6	72.7
Females who maintain families	39	(2)	(2)	(2)	44	(2)	(2)	(2)
With children under 18 years of age	35	(2)	(2)	(2)	34	(2)	(2)	(2)
Relatives in families maintained by females	78	33.0	67.0	51.1	93	43.7	56.3	43.7
Males who maintain families	12	(2)	(2)	(2)	14	(2)	(2)	(2)
With children under 18 years of age	4	(2)	(2)	(2)	4	(2)	(2)	(2)
Relatives in families maintained by males	16	(2)	(2)	(2)	18	(2)	(2)	(2)
Not in families ¹	68	—	—	—	83	—	—	—

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families,

and some whose status is unknown.

² Percent not shown where base is less than 80,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-74. Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1981			II 1982				
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed	100,873	37.7	62.3	52.8	99,833	38.2	61.8	51.5
In families	85,291	26.4	73.6	62.5	84,211	26.8	73.2	61.1
Husbands	38,202	37.0	63.0	45.5	37,362	36.9	63.1	44.7
With children under 18 years of age	22,662	39.5	60.5	40.1	21,796	39.7	60.3	38.9
Wives	23,587	9.2	90.8	86.0	23,662	10.7	89.3	83.4
With children under 18 years of age	12,713	5.3	94.7	91.0	12,571	7.1	92.9	87.8
Relatives in married-couple families	11,814	5.5	94.5	90.7	11,390	6.7	93.3	88.5
Females who maintain families	5,046	66.5	33.5	22.3	5,088	65.6	34.4	21.4
With children under 18 years of age	3,408	79.0	21.0	10.8	3,365	78.1	21.9	9.9
Relatives in families maintained by females	3,588	26.7	73.3	61.9	3,668	25.2	74.8	62.8
Males who maintain families	1,771	56.4	43.6	32.4	1,741	56.0	44.0	31.9
With children under 18 years of age	720	69.6	30.4	15.5	703	71.6	28.4	15.5
Relatives in families maintained by males	1,283	16.2	83.8	77.2	1,299	16.9	83.1	73.4
Not in families ¹	15,582	--	--	--	15,622	--	--	--
White								
Total employed	89,156	37.2	62.8	53.2	88,308	37.7	62.3	51.7
In families	75,590	25.9	74.1	62.7	74,563	26.3	73.7	61.3
Husbands	34,841	37.5	62.5	44.6	34,009	37.3	62.7	43.8
With children under 18 years of age	20,392	40.2	59.8	38.5	19,544	40.3	59.7	37.3
Wives	21,147	8.8	91.2	86.5	21,156	10.2	89.8	84.0
With children under 18 years of age	11,162	4.8	95.2	91.6	10,987	6.4	93.6	88.8
Relatives in married-couple families	10,708	5.3	94.7	91.1	10,300	6.5	93.5	88.9
Females who maintain families	3,671	64.6	35.4	23.1	3,736	63.1	36.9	22.4
With children under 18 years of age	2,438	77.7	22.3	10.8	2,435	75.6	24.4	10.1
Relatives in families maintained by females	2,696	27.3	72.7	61.9	2,860	25.7	74.3	62.5
Males who maintain families	1,475	55.4	44.6	32.5	1,457	55.9	44.1	31.2
With children under 18 years of age	587	67.7	32.3	15.8	593	70.4	29.6	15.9
Relatives in families maintained by males	1,052	14.7	85.3	79.9	1,044	16.2	83.8	74.6
Not in families ¹	13,566	--	--	--	13,745	--	--	--
Black								
Total employed	9,388	44.4	55.6	47.6	9,137	44.3	55.7	47.9
In families	7,711	32.3	67.7	58.0	7,606	33.1	66.9	57.5
Husbands	2,567	32.2	67.8	55.2	2,524	33.0	67.0	55.1
With children under 18 years of age	1,688	32.4	67.6	55.0	1,657	33.4	66.6	54.2
Wives	1,855	14.6	85.4	79.3	1,903	16.8	83.2	76.2
With children under 18 years of age	1,167	10.2	89.8	84.0	1,189	14.0	86.0	78.8
Relatives in married-couple families	796	8.0	92.0	84.9	758	10.3	89.7	82.8
Females who maintain families	1,272	72.8	27.2	18.9	1,247	74.0	26.0	18.0
With children under 18 years of age	908	82.8	17.2	10.3	863	85.3	14.7	9.3
Relatives in families maintained by females	799	25.6	74.4	60.9	728	23.8	76.2	63.1
Males who maintain families	245	63.6	36.4	30.4	243	59.9	40.1	34.3
With children under 18 years of age	113	79.7	20.3	13.4	100	81.2	18.8	12.7
Relatives in families maintained by males	177	25.6	74.4	60.9	203	22.5	77.5	67.3
Not in families ¹	1,677	--	--	--	1,531	--	--	--
Hispanic origin								
Total employed	5,363	38.6	61.4	54.4	5,188	38.6	61.4	52.0
In families	4,663	29.4	70.6	62.6	4,502	29.2	70.8	59.9
Husbands	1,994	42.9	57.1	45.9	1,928	43.3	56.7	43.1
With children under 18 years of age	1,483	46.3	53.7	42.2	1,417	47.4	52.6	38.7
Wives	1,137	8.7	91.3	86.6	1,084	9.5	90.5	83.6
With children under 18 years of age	774	7.7	92.3	88.3	724	8.7	91.3	85.2
Relatives in married-couple families	661	8.1	91.9	87.8	655	6.6	93.4	84.8
Females who maintain families	309	69.0	31.0	22.7	294	63.9	36.1	22.8
With children under 18 years of age	223	81.1	18.9	10.4	204	77.3	22.7	12.2
Relatives in families maintained by females	249	25.9	74.1	65.3	271	27.5	72.5	58.2
Males who maintain families	155	46.8	53.2	43.3	134	42.3	57.7	47.3
With children under 18 years of age	66	69.3	30.7	17.2	44	(2)	(2)	(2)
Relatives in families maintained by males	159	9.0	91.0	87.5	135	9.5	90.5	85.7
Not in families ¹	700	--	--	--	686	--	--	--

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families,

and some whose status is unknown.

² Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-75. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	I 1981	I 1982	I 1981	I 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	41,191	40,701	\$422	\$445	5.7	-3.4
Married-couple families	33,845	33,150	459	486	6.0	-3.1
One earner	14,852	14,604	324	336	3.5	-5.3
Husband	11,929	11,436	365	386	5.6	-3.5
Wife	2,303	2,443	174	184	5.9	-3.2
Other family member	621	725	169	192	14.2	4.4
Two or more earners	18,993	18,546	571	609	6.7	-2.4
Husband and wife	16,289	15,901	575	618	7.4	-1.8
Husband and other family member(s)	2,154	2,049	583	609	4.6	-4.4
Wife and other family member(s)	420	468	375	391	4.2	-4.7
Other family members only	130	127	330	389	17.8	7.7
Families maintained by females	5,815	5,917	228	246	7.8	-1.4
One earner	4,220	4,275	191	208	8.7	-6
Householder	3,262	3,434	195	213	9.0	-4
Other family member	957	841	174	187	7.2	-2.0
Two or more earners	1,596	1,642	389	424	9.1	-3
Families maintained by males	1,530	1,633	363	400	10.2	.8
One earner	989	1,032	297	322	8.4	-9
Two or more earners	541	601	512	545	6.5	-2.6
White						
Total families with earners ¹	35,688	35,361	436	461	5.6	-3.4
Married-couple families	30,279	29,761	469	494	5.3	-3.7
One earner	13,312	13,226	334	346	3.7	-5.2
Husband	10,820	10,489	375	396	5.8	-3.2
Wife	1,950	2,087	176	186	6.2	-2.9
Two or more earners	16,967	16,535	578	616	6.6	-2.5
Husband and wife	14,500	14,143	581	624	7.3	-1.9
Families maintained by females	4,186	4,258	237	264	11.4	1.9
Families maintained by males	1,223	1,342	374	413	10.5	1.0
Black						
Total families with earners ¹	4,631	4,396	306	312	1.9	-6.8
Married-couple families	2,826	2,647	373	395	5.8	-3.2
One earner	1,215	1,066	237	231	-2.5	-10.8
Husband	850	700	266	255	-4.1	-12.3
Wife	311	313	167	174	3.8	-5.0
Two or more earners	1,611	1,581	479	529	10.3	.9
Husband and wife	1,422	1,395	499	545	9.1	-2
Families maintained by females	1,537	1,519	203	212	4.8	-4.2
Families maintained by males	268	231	290	333	14.8	5.0
Hispanic origin						
Total families with earners ¹	2,443	2,417	334	352	5.3	-3.7
Married-couple families	1,918	1,911	376	386	2.7	-6.1
One earner	906	894	240	265	10.2	.7
Husband	745	738	265	288	8.8	-5
Wife	106	103	162	202	24.3	13.6
Two or more earners	1,012	1,017	483	513	6.2	-2.9
Husband and wife	800	803	491	522	6.4	-2.7
Families maintained by females	388	383	198	203	2.7	-6.1
Families maintained by males	136	124	265	338	27.8	16.8

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these earnings data. Because the index for the most recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-76. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	I 1981	I 1982	I 1981	I 1982	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	3,361	3,883	\$325	\$338	3.9	-5.0
Husband unemployed	955	1,281	181	190	4.8	-4.1
Wife only earner	740	982	174	173	-5	-9.1
Wife and other earner(s)	91	155	(2)	372	--	--
Other earner(s) only	123	144	\$153	224	46.6	34.1
Wife unemployed	1,100	1,184	319	339	6.3	-2.8
Husband only earner	958	1,035	302	323	6.8	-2.3
Husband and other earner(s)	125	135	509	615	20.7	10.4
Other earner(s) only	17	14	(2)	(2)	--	--
Other member(s) unemployed	1,306	1,418	506	536	5.9	-3.2
Husband or wife earner	615	605	384	408	6.1	-3.6
Both husband and wife earners	653	772	640	637	-5	-9.0
Other combinations of earners	37	41	(2)	(2)	--	--
Families maintained by females ¹	697	737	203	219	5.3	-3.7
Householder unemployed	111	123	147	166	13.2	3.5
Other member(s) unemployed	576	614	217	226	4.3	-4.6
Families maintained by males ¹	197	226	280	314	12.1	2.5

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

² Median not shown where base is less than 100,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-77. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	I 1981	I 1982	I 1981	I 1982	Percent change over the year in :	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	70,984	70,041	\$283	\$304	7.4	-1.8
Males, 16 years and over	42,850	42,031	342	363	6.3	-2.8
16 to 24 years	6,997	6,589	224	237	5.7	-3.3
25 years and over	35,853	35,442	369	395	6.9	-2.3
Females, 16 years and over	28,134	28,010	220	238	8.2	-1.1
16 to 24 years	5,773	5,279	185	195	5.4	-3.6
25 years and over	22,360	22,730	231	251	8.3	-1.0
FAMILY RELATIONSHIP						
Husbands	30,060	29,040	372	398	7.1	-2.1
Wives	14,760	14,490	223	242	8.1	-1.1
Others in married-couple families	5,826	5,612	196	210	7.0	-2.2
Females who maintain families	3,871	3,998	219	239	9.1	-3
Others in such families	2,263	2,162	201	220	9.7	-3
Males who maintain families	1,241	1,320	325	346	6.5	-2.6
Others in such families	732	756	214	226	5.8	-3.3
All other males ¹	6,509	6,782	319	338	5.7	-3.3
All other females ¹	5,722	5,882	242	263	8.8	-3.5
RACE AND HISPANIC ORIGIN						
White	61,867	61,085	291	313	7.7	-1.5
Males	37,893	37,239	351	375	6.8	-2.3
Females	23,975	23,846	222	241	8.4	-0.9
Black	7,380	7,232	232	241	3.7	-5.2
Males	3,956	3,833	262	267	2.1	-6.6
Females	3,423	3,399	205	219	6.7	-2.5
Hispanic origin	4,097	4,063	221	239	7.9	-1.4
Males	2,621	2,575	244	265	8.7	-0.6
Females	1,476	1,488	185	206	11.3	1.7

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in some whose family status is unknown. married-couple families where the husband is in the Armed Forces, persons in secondary families, and

A-78. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1981	1982	1981	1982	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	16,153	16,448	\$77	\$80	4.2	-4.7
Males, 16 years and over	5,061	5,030	74	76	2.5	-6.7
16 to 24 years	3,194	3,030	65	66	1.6	-7.7
25 years and over	1,867	2,000	100	100	-1.1	-8.7
Females, 16 years and over	11,091	11,418	78	82	5.0	-4.0
16 to 24 years	3,762	3,811	62	64	3.3	-5.5
25 years and over	7,329	7,606	89	98	9.9	.5
FAMILY RELATIONSHIP						
Husbands	1,285	1,303	100	100	4.6	-8.0
Wives	5,929	6,059	91	99	9.1	-2.2
Others in married-couple families	4,680	4,477	60	61	2.2	-6.5
Females who maintain families	777	885	84	93	10.9	1.4
Others in such families	1,085	1,067	64	67	4.6	-4.4
Males who maintain families	64	80	(2)	(2)	--	--
Others in such families	240	286	70	75	6.4	-2.7
All other males ¹	775	793	100	100	6.7	-8.4
All other females ¹	1,317	1,497	80	85	6.7	-3.0
RACE AND HISPANIC ORIGIN						
White	14,369	14,651	77	81	4.6	-4.3
Males	4,455	4,428	73	75	3.4	-5.4
Females	9,914	10,224	79	83	5.2	-3.8
Black	1,456	1,432	74	77	4.4	-4.5
Males	487	444	82	79	-3.5	-11.8
Females	970	988	71	75	5.7	-3.4
Hispanic origin	712	731	79	85	7.9	-7.3
Males	263	285	78	84	7.6	-1.6
Females	449	446	81	88	9.5	.1

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and

some whose family status is unknown.

² Median not shown where base is less than 100,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-79. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings			
	I 1981	I 1982	I 1981	I 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	12,797	13,058	\$364	\$395	8.5	-0.8
Managers and administrators, except farm	8,068	7,803	398	428	6.3	-2.8
Sales workers	3,521	3,561	311	299	-3.8	-12.0
Clerical workers	13,882	13,709	228	244	7.1	-2.0
Craft and kindred workers	10,113	9,820	344	370	7.6	-1.6
Operatives, except transport	9,416	8,803	238	248	4.4	-4.5
Transport equipment operatives	2,641	2,631	289	318	9.8	.4
Nonfarm laborers	2,955	2,941	232	245	5.8	-3.3
Service workers	6,985	6,965	191	205	7.2	-2.0
Farm workers	605	650	182	185	1.7	-7.0
Males						
Professional and technical workers	7,281	7,346	429	465	8.5	-0.8
Managers and administrators, except farm	5,779	5,728	461	502	8.8	-0.5
Sales workers	2,390	2,346	366	362	-1.1	-9.5
Clerical workers	3,037	3,044	330	342	3.6	-5.3
Craft and kindred workers	9,496	9,163	352	377	7.3	-1.9
Operatives, except transport	5,709	5,316	288	304	5.7	-3.3
Transport equipment operatives	2,528	2,498	293	321	9.5	.2
Nonfarm laborers	2,649	2,617	235	249	5.6	-3.5
Service workers	3,434	3,382	241	245	2.0	-6.7
Farm workers	546	591	187	189	1.3	-7.3
Females						
Professional and technical workers	5,517	5,712	305	330	8.5	-0.8
Managers and administrators, except farm	2,290	2,175	276	301	9.0	-0.4
Sales workers	1,131	1,215	188	195	3.6	-5.3
Clerical workers	10,844	10,665	214	232	8.3	-1.0
Craft and kindred workers	617	657	239	278	16.3	6.4
Operatives, except transport	3,707	3,487	186	198	6.1	-2.9
Transport equipment operatives	113	133	227	239	5.2	-3.8
Nonfarm laborers	306	324	193	223	15.4	5.5
Service workers	3,551	3,583	159	175	9.9	.5
Farm workers	59	59	(1)	(1)	--	--

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1930 to date

(In thousands)

Year and month	Goods-producing					Service-producing									
	Total	Mining	Construction	Manufacturing	Total	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	
Annual averages															
1930.....	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622
1931.....	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,607	6,667	1,800	5,181	5,650	1,863	3,787
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648
1959 ¹	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,159
1980.....	90,406	25,658	1,027	4,346	20,285	64,748	5,146	20,310	5,275	15,035	5,160	17,890	16,241	2,866	13,375
1981.....	91,105	25,481	1,132	4,176	20,173	65,625	5,157	20,551	5,359	15,192	5,301	18,592	16,024	2,772	13,253
Monthly data, seasonally adjusted															
1981:															
June.....	91,286	25,656	1,137	4,185	20,334	65,630	5,162	20,590	5,366	15,224	5,302	18,556	16,020	2,777	13,243
July.....	91,396	25,718	1,164	4,175	20,379	65,678	5,168	20,620	5,375	15,245	5,311	18,615	15,964	2,775	13,189
August.....	91,322	25,637	1,180	4,146	20,311	65,685	5,168	20,650	5,387	15,263	5,319	18,654	15,894	2,769	13,125
September.....	91,363	25,583	1,192	4,124	20,267	65,780	5,181	20,660	5,383	15,277	5,328	18,707	15,904	2,764	13,140
October.....	91,224	25,393	1,195	4,101	20,097	65,831	5,162	20,654	5,380	15,274	5,325	18,773	15,917	2,757	13,160
November.....	90,996	25,176	1,202	4,071	19,903	65,820	5,150	20,623	5,375	15,248	5,324	18,815	15,908	2,749	13,159
December.....	90,642	24,908	1,206	4,026	19,676	65,734	5,128	20,524	5,357	15,167	5,331	18,834	15,917	2,756	13,161
1982:															
January.....	90,460	24,684	1,201	3,966	19,517	65,776	5,125	20,630	5,346	15,284	5,326	18,831	15,864	2,741	13,123
February.....	90,459	24,631	1,203	3,974	19,454	65,828	5,115	20,670	5,343	15,327	5,326	18,867	15,850	2,737	13,113
March.....	90,304	24,450	1,197	3,934	19,319	65,854	5,100	20,655	5,336	15,319	5,336	18,904	15,859	2,736	13,123
April.....	90,083	24,289	1,182	3,938	19,169	65,794	5,094	20,584	5,323	15,261	5,335	18,929	15,852	2,730	13,122
May.....	90,151	24,262	1												

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
-	TOTAL	91,432	92,056	89,984	90,440	90,741	-	-	-	-	-
-	PRIVATE SECTOR	75,044	75,888	73,830	74,292	74,686	60,894	61,600	59,562	60,032	60,417
-	MINING	986	1,159	1,171	1,155	1,151	715	854	850	837	828
10	METAL MINING	105.3	107.0	85.3	78.2	-	79.0	80.6	63.4	57.7	-
101	Iron ores	22.3	23.0	15.4	14.1	-	17.4	18.2	11.3	10.8	-
102	Copper ores	36.5	37.1	30.8	26.7	-	28.1	28.5	23.3	19.5	-
11, 12	COAL MINING	89.5	233.7	248.3	244.2	-	73.9	192.9	204.9	201.2	-
12	BITUMINOUS COAL AND LIGNITE MINING	88.0	230.1	244.9	240.8	-	72.6	189.7	201.9	198.2	-
13	OIL AND GAS EXTRACTION	667.8	694.1	726.0	717.9	-	467.3	485.0	497.1	490.6	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	256.8	269.4	282.7	285.7	-	112.4	119.0	122.0	124.8	-
138	Oil and gas field services	411.0	424.7	443.3	432.2	-	354.9	366.0	375.1	365.8	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	123.0	124.3	111.5	114.5	-	94.7	95.9	84.1	87.3	-
142	Crushed and broken stone	39.2	39.2	34.2	36.6	-	32.3	32.1	27.2	29.4	-
144	Sand and gravel	35.6	36.1	31.3	31.9	-	-	-	-	-	-
147	Chemical and fertilizer minerals	27.5	27.7	25.4	25.1	-	-	-	-	-	-
-	CONSTRUCTION	4,235	4,350	3,796	4,002	4,102	3,311	3,408	2,890	3,090	3,183
15	GENERAL BUILDING CONTRACTORS	1,098.7	1,131.7	942.8	987.5	-	829.4	855.6	690.7	733.9	-
152	Residential building construction	525.6	544.8	440.8	472.4	-	384.5	398.0	309.0	338.6	-
153	Operative builders	63.1	63.5	49.7	50.0	-	34.5	35.5	25.2	25.3	-
154	Nonresidential building construction	510.0	523.4	452.3	465.1	-	410.4	422.1	356.5	370.0	-
16	HEAVY CONSTRUCTION CONTRACTORS	934.8	960.7	827.9	884.9	-	758.0	780.3	653.0	709.5	-
181	Highway and street construction	267.1	281.8	198.6	236.4	-	224.6	238.7	161.1	198.1	-
182	Heavy construction, except highway	667.7	678.9	629.3	648.5	-	533.4	541.6	491.9	511.4	-
17	SPECIAL TRADE CONTRACTORS	2,201.9	2,257.4	2,024.8	2,129.4	-	1,723.7	1,772.2	1,546.1	1,646.7	-
171	Plumbing, heating, air conditioning	514.2	526.8	486.8	494.5	-	379.4	389.0	351.5	358.4	-
172	Painting, paper hanging, decorating	135.4	144.4	123.9	134.9	-	112.2	120.8	100.4	112.4	-
173	Electrical work	408.1	413.6	391.5	398.2	-	313.6	318.3	297.7	303.7	-
174	Masonry, stonework, and plastering	332.2	338.1	291.8	308.4	-	283.7	289.3	248.7	259.8	-
175	Carpentering and flooring	125.4	126.8	106.1	112.8	-	95.4	95.7	76.3	83.4	-
176	Roofing and sheet metal work	152.7	159.9	146.4	152.2	-	122.1	129.2	115.0	120.1	-
-	MANUFACTURING	20,262	20,445	19,073	19,043	19,074	14,141	14,267	12,971	12,964	13,016
24, 25, 32-39	DURABLE GOODS	12,220	12,317	11,356	11,318	11,320	8,426	8,486	7,572	7,554	7,572
20-23, 26-31	NONDURABLE GOODS	8,042	8,128	7,717	7,725	7,754	5,715	5,781	5,399	5,410	5,444
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	692.6	699.4	603.0	616.5	635.6	578.2	585.6	494.9	507.2	527.3
241	Logging camps and logging contractors	81.4	84.8	69.2	75.4	-	63.8	67.1	52.3	58.2	-
242	Sawmills and planing mills	214.5	216.6	190.4	193.0	-	190.3	192.5	167.0	169.6	-
2421	Sawmills and planing mills, general	178.9	180.8	159.6	162.1	-	159.3	161.4	140.5	142.9	-
2426	Hardwood dimension and flooring	30.9	31.1	26.3	26.5	-	26.8	27.0	22.4	22.7	-
243	Millwork, plywood, and structural members	200.4	200.0	167.8	171.0	-	166.1	166.1	135.4	138.0	-
2431	Millwork	70.2	70.5	58.6	60.6	-	56.6	57.0	45.4	47.2	-
2434	Wood kitchen cabinets	47.7	47.6	39.8	40.9	-	38.4	38.6	31.2	32.1	-
2435	Hardwood veneer and plywood	25.7	25.8	22.4	22.4	-	22.7	22.7	19.5	19.5	-
2436	Softwood veneer and plywood	41.3	41.0	34.8	34.3	-	36.8	36.6	30.4	29.8	-
244	Wood containers	42.8	43.5	40.5	40.5	-	36.8	37.5	34.3	34.2	-
245	Wood buildings and mobile homes	71.4	70.9	60.6	62.5	-	52.6	52.5	44.0	45.9	-
2451	Mobile homes	50.8	50.6	47.2	48.5	-	38.8	38.9	36.0	37.5	-
249	Miscellaneous wood products	82.1	83.6	74.5	74.1	-	68.6	69.9	61.9	61.3	-
25	FURNITURE AND FIXTURES	469.5	470.9	443.8	439.6	441.9	378.9	380.1	350.6	347.1	349.8
251	Household furniture	303.1	302.4	278.2	275.3	-	254.3	253.3	228.9	226.9	-
2511	Wood household furniture	135.6	135.7	123.8	123.0	-	117.7	117.8	106.1	105.5	-
2512	Upholstered household furniture	89.9	90.1	82.7	83.1	-	74.0	73.9	66.1	66.6	-
2514	Metal household furniture	32.7	31.5	30.6	28.9	-	26.7	25.5	24.6	23.1	-
2515	Mattresses and bedspreads	30.8	31.2	28.7	28.6	-	23.7	24.0	21.4	21.5	-
252	Office furniture	53.6	54.0	54.2	53.6	-	41.8	42.2	41.6	41.0	-
253	Public building and related furniture	23.0	23.5	23.1	22.5	-	17.3	17.7	17.3	16.6	-
254	Partitions and fixtures	60.4	61.2	58.3	57.8	-	45.2	46.0	42.5	42.1	-
259	Miscellaneous furniture and fixtures	29.4	29.8	30.0	30.4	-	20.3	20.9	20.3	20.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	6 47.9	658.2	580.1	588.3	593.7	500.2	509.1	437.9	445.7	451.4
321	Flat glass	18.5	19.0	15.7	15.8	-	14.2	14.7	12.0	12.0	-
322	Glass and glassware, pressed or blown	122.4	124.2	112.3	112.3	-	103.3	105.1	93.8	93.8	-
3221	Glass containers	68.9	70.1	63.9	64.6	-	60.4	61.6	55.9	56.7	-
3229	Pressed and blown glass, nec	53.5	54.1	48.4	47.7	-	42.9	43.5	37.9	37.1	-
323	Products of purchased glass	44.4	45.6	40.7	40.9	-	30.1	30.9	27.0	27.1	-
324	Cement, hydraulic	30.3	31.2	28.7	29.0	-	24.0	24.9	22.6	22.9	-
325	Structural clay products	43.0	43.7	33.9	34.6	-	32.8	33.5	24.7	25.4	-
326	Pottery and related products	42.6	42.8	39.2	39.2	-	35.0	35.0	31.8	31.8	-
327	Concrete, gypsum, and plaster products	199.7	201.7	173.4	180.5	-	154.2	155.6	129.8	136.8	-
3271	Concrete block and brick	20.0	20.3	17.4	18.3	-	14.0	14.1	11.4	12.4	-
3272	Concrete products, nec	67.0	67.2	60.5	61.4	-	50.0	49.9	44.2	45.4	-
3273	Ready-mixed concrete	92.9	94.4	77.6	83.0	-	74.1	75.4	59.8	64.8	-
328	Misc. nonmetallic mineral products	136.1	137.8	124.2	123.8	-	97.9	99.3	86.5	86.1	-
3291	Abrasive products	27.6	28.1	25.4	25.2	-	18.6	19.1	15.1	16.0	-
3292	Asbestos products	16.1	16.1	14.2	14.2	-	12.3	12.4	10.5	10.5	-
3296	Mineral wool	29.6	30.0	26.9	27.0	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1, 140.0	1, 148.1	977.3	949.2	943.8	879.4	885.6	728.6	705.9	703.7
331	Blast furnace and basic steel products	517.1	520.8	425.5	411.4	-	402.8	404.8	317.3	306.7	-
3312	Blast furnaces and steel mills	431.6	434.2	352.1	338.8	-	337.3	338.4	262.9	252.9	-
3317	Steel pipe and tubes	32.0	32.6	28.1	28.0	-	25.1	25.6	21.1	21.0	-
332	Iron and steel foundries	203.9	204.8	172.6	161.8	-	163.1	164.6	133.6	124.3	-
3321	Gray iron foundries	123.0	123.9	103.4	97.0	-	100.6	101.8	82.4	76.9	-
3322	Malleable iron foundries	16.3	16.7	13.7	12.7	-	12.6	13.0	10.2	9.3	-
3325	Steel foundries, nec	51.1	51.0	43.4	40.2	-	40.1	40.2	32.9	30.2	-
333	Primary nonferrous metals	70.7	71.2	62.4	60.2	-	53.4	53.8	45.1	43.2	-
3334	Primary aluminum	37.3	37.9	31.0	30.6	-	29.0	29.6	23.0	22.8	-
335	Nonferrous rolling and drawing	207.7	210.1	189.3	189.6	-	148.2	150.4	134.2	134.5	-
3351	Copper rolling and drawing	28.4	30.4	26.0	25.5	-	20.9	22.8	19.3	18.9	-
3353	Aluminum sheet, plate, and foil	35.7	36.0	30.7	31.0	-	27.4	27.6	23.4	23.7	-
3357	Nonferrous wire drawing and insulating	88.3	88.1	81.9	82.0	-	63.7	63.4	57.9	58.0	-
336	Nonferrous foundries	91.1	91.7	81.7	80.8	-	74.2	74.5	64.7	64.0	-
3361	Aluminum foundries	53.2	53.3	47.0	46.6	-	44.4	44.4	38.1	37.7	-
34	FABRICATED METAL PRODUCTS	1, 605.6	1, 616.6	1, 476.4	1, 465.8	1, 467.6	1, 186.9	1, 195.6	1, 065.8	1, 057.2	1, 061.2
341	Metal cans and shipping containers	72.5	72.9	67.2	67.5	-	61.4	61.9	56.7	56.8	-
3411	Metal cans	59.3	59.7	54.9	55.1	-	50.8	51.2	47.1	47.1	-
342	Cutlery, hand tools, and hardware	162.1	162.5	141.7	138.5	-	124.5	125.1	104.4	101.8	-
3423,5	Hand and edge tools, and hand saws and blades	55.7	55.8	49.4	46.7	-	42.6	42.8	37.2	34.9	-
3429	Hardware, nec	91.4	91.6	78.7	78.1	-	70.5	70.9	57.8	57.5	-
343	Plumbing and heating, except electric	67.9	68.7	66.2	65.8	-	48.8	49.4	45.8	45.3	-
3432	Plumbing fittings and brass goods	26.6	27.0	27.3	26.9	-	21.4	21.7	21.5	21.0	-
3433	Heating equipment, except electric	30.4	30.7	28.9	28.1	-	19.9	20.2	18.2	17.4	-
344	Fabricated structural metal products	508.3	512.3	468.4	466.3	-	346.5	349.5	311.7	311.0	-
3441	Fabricated structural metal	100.3	100.2	92.4	91.0	-	71.5	71.5	64.8	63.7	-
3442	Metal doors, sash, and trim	81.6	82.6	73.2	75.1	-	59.5	60.6	51.9	53.7	-
3443	Fabricated plate work (boiler shops)	150.0	150.6	137.3	135.3	-	90.6	91.1	80.6	79.7	-
3444	Sheet metal work	107.7	109.2	103.5	102.4	-	78.4	79.6	74.1	73.3	-
3446	Architectural metal work	30.7	31.0	28.4	28.2	-	21.8	21.9	19.5	19.1	-
345	Screw machine products, bolts, etc.	105.7	106.5	95.5	93.8	-	81.0	82.0	71.8	70.1	-
3451	Screw machine products	47.8	48.4	44.4	44.0	-	38.9	39.4	35.0	34.6	-
3452	Bolts, nuts, rivets, and washers	57.9	58.1	51.1	49.8	-	42.1	42.6	36.8	35.5	-
346	Metal forgings and stampings	266.3	266.7	233.5	232.5	-	211.9	212.1	183.5	183.2	-
3462	Iron and steel forgings	45.3	44.8	37.7	36.5	-	35.1	34.6	28.7	27.8	-
3465	Automotive stampings	100.7	101.6	86.1	88.6	-	83.8	84.7	72.1	74.7	-
3489	Metal stampings, nec	107.5	107.6	98.0	95.8	-	83.0	83.0	73.8	71.9	-
347	Metal services, nec	101.6	103.0	96.6	95.8	-	81.9	83.1	76.6	75.7	-
3471	Plating and polishing	69.6	70.1	65.4	65.2	-	57.0	57.4	52.9	52.7	-
3479	Metal coating and allied services	32.0	32.9	31.2	30.6	-	24.9	25.7	23.7	23.0	-
348	Ordnance and accessories, nec	68.9	69.2	71.0	71.7	-	44.9	45.1	45.7	46.4	-
3483	Ammunition, exc. for small arms, nec	26.6	26.7	26.6	27.0	-	17.4	17.5	17.6	18.2	-
349	Misc. fabricated metal products	252.3	254.8	236.3	233.9	-	186.0	187.4	169.6	166.9	-
3494	Valves and pipe fittings	104.8	105.7	99.6	98.0	-	72.3	72.6	66.7	65.0	-
3496	Misc. fabricated wire products	53.3	53.6	51.4	51.1	-	41.6	41.7	39.0	38.5	-
35	MACHINERY, EXCEPT ELECTRICAL	2, 501.3	2, 524.9	2, 396.4	2, 373.3	2, 346.0	1, 587.0	1, 600.1	1, 470.3	1, 452.4	1, 429.1
351	Engines and turbines	132.2	133.7	120.9	120.1	-	84.0	85.3	74.5	74.2	-
3511	Turbines and turbine generator sets	45.6	45.5	44.2	43.9	-	24.0	23.8	23.5	23.4	-
3519	Internal combustion engines, nec	86.6	88.2	76.7	76.2	-	60.0	61.5	51.0	50.8	-
352	Farm and garden machinery	157.5	156.1	141.0	142.3	-	105.3	104.8	93.3	95.4	-
3523	Farm machinery and equipment	137.6	138.3	116.2	118.6	-	91.4	92.6	74.8	78.1	-
353	Construction and related machinery	396.6	402.9	381.8	372.1	-	260.9	265.2	242.6	235.7	-
3531	Construction machinery	143.2	145.0	128.6	125.4	-	95.6	96.6	79.4	76.9	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	38.1	37.8	36.1	35.0	-	23.7	23.4	22.1	21.3	-
3533	Oil field machinery	116.4	119.7	125.6	121.7	-	80.9	83.5	87.3	84.9	-
3535	Conveyers and conveying equipment	34.5	35.1	33.0	33.0	-	19.4	19.8	17.7	17.6	-
3537	Industrial trucks and tractors	34.8	35.2	30.9	30.0	-	23.3	23.4	19.3	18.6	-
354	Metalworking machinery	366.2	366.3	336.5	332.5	-	265.8	265.3	236.5	233.2	-
3541	Machine tools, metal cutting types	79.9	80.2	68.5	68.1	-	52.2	52.2	42.2	41.5	-
3542	Machine tools, metal forming types	24.4	24.6	22.1	21.4	-	15.4	15.4	13.5	13.0	-
3544	Special dies, tools, jigs, and fixtures	137.6	137.3	131.0	130.1	-	109.7	109.3	102.1	101.7	-
3545	Machine tool accessories	69.7	69.5	64.7	63.1	-	49.3	49.1	44.0	42.6	-
3546	Power driven hand tools	30.7	30.7	27.2	27.1	-	23.6	23.7	19.9	19.9	-
355	Special industry machinery	200.5	201.8	184.1	182.7	-	127.1	128.4	113.1	111.9	-
3551	Food products machinery	44.2	44.3	41.8	41.5	-	28.2	28.3	26.6	26.4	-
3552	Textile machinery	26.4	26.4	23.3	22.9	-	18.4	18.3	15.4	15.2	-
3555	Printing trades machinery	38.6	39.3	38.0	38.0	-	23.9	24.4	22.9	22.8	-
356	General industrial machinery	321.3	323.9	300.5	295.2	-	208.5	210.1	190.3	185.8	-
3561	Pumps and pumping equipment	61.9	62.5	60.1	58.6	-	36.3	36.6	35.0	33.8	-
3562	Ball and roller bearings	57.7	57.6	50.8	49.9	-	44.8	44.6	37.9	37.0	-
3563	Air and gas compressors	31.7	31.9	30.8	30.1	-	18.9	19.0	17.2	16.6	-
3564	Blowers and fans	41.3	41.4	38.8	38.7	-	25.9	25.9	24.0	23.9	-
3566	Speed changers, drives, and gears	27.0	27.5	23.8	22.9	-	17.9	18.2	16.0	15.3	-
3568	Power transmission equipment, nec	22.9	23.2	21.6	21.0	-	16.1	16.3	15.0	14.4	-
357	Office and computing machines	456.2	464.8	484.8	486.4	-	185.5	187.9	193.5	194.1	-
3573	Electronic computing equipment	381.3	389.1	413.6	415.3	-	185.4	187.7	157.1	157.6	-
358	Refrigeration and service machinery	178.6	180.7	166.3	164.6	-	125.4	127.0	114.2	112.9	-
3585	Refrigeration and heating equipment	122.7	123.7	111.8	110.6	-	86.9	87.6	77.5	76.7	-
359	Misc. machinery, except electrical	292.2	294.7	280.5	277.4	-	224.5	226.1	212.3	209.2	-
3592	Carburetors, pistons, rings, valves	38.9	39.0	35.5	36.3	-	31.8	31.6	27.7	28.5	-
3599	Machinery, except electrical, nec	253.3	255.7	245.0	241.1	-	192.7	194.5	184.6	180.7	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,093.1	2,109.5	2,027.9	2,024.4	2,034.6	1,321.0	1,329.4	1,240.0	1,235.7	1,244.3
361	Electric distributing equipment	122.0	123.6	113.5	111.7	-	86.6	88.2	80.3	78.4	-
3612	Transformers	53.7	54.5	50.6	50.1	-	37.9	38.8	36.4	35.7	-
3613	Switchgear and switchboard apparatus	68.3	69.1	62.9	61.6	-	48.7	49.4	43.9	42.7	-
362	Electrical industrial apparatus	242.4	243.4	218.3	218.7	-	172.8	173.4	152.5	153.4	-
3621	Motors and generators	126.1	125.8	111.9	111.4	-	96.9	96.5	84.5	84.5	-
3622	Industrial controls	71.7	72.4	66.6	66.7	-	44.4	44.8	40.6	40.5	-
363	Household appliances	166.5	167.3	144.7	144.3	-	133.0	133.8	111.5	110.9	-
3632	Household refrigerators and freezers	37.0	37.8	30.5	31.0	-	30.5	31.2	24.1	24.5	-
3633	Household laundry equipment	22.2	22.6	19.5	19.7	-	17.6	17.9	14.7	14.9	-
3634	Electric housewares and fans	50.8	50.9	44.8	45.3	-	40.7	40.9	34.6	34.9	-
364	Electric lighting and wiring equipment	204.6	207.0	192.2	189.4	-	152.2	153.4	140.4	138.5	-
3641	Electric lamps	32.0	33.1	33.4	33.1	-	27.9	28.8	29.3	29.1	-
3643	Current-carrying wiring devices	84.0	85.1	79.4	77.8	-	58.0	58.0	52.9	51.6	-
3644	Noncurrent-carrying wiring devices	21.4	21.6	19.0	18.3	-	15.6	15.9	13.7	13.2	-
3645	Residential lighting fixtures	25.3	25.2	22.3	21.6	-	19.2	19.2	16.7	16.1	-
365	Radio and TV receiving equipment	106.0	106.7	96.1	95.7	-	76.1	76.1	65.5	65.6	-
3651	Radio and TV receiving sets	81.3	82.4	74.5	73.7	-	56.4	57.0	49.6	49.3	-
366	Communication equipment	549.5	552.5	555.5	553.9	-	268.0	268.6	262.4	261.4	-
3661	Telephone and telegraph apparatus	157.5	155.7	145.7	143.6	-	104.8	103.5	95.0	94.2	-
3662	Radio and TV communication equipment	392.0	396.8	409.8	410.3	-	163.2	165.1	167.4	167.2	-
367	Electronic components and accessories	555.5	561.9	566.6	569.3	-	326.6	329.8	327.1	326.4	-
3671-3	Electronic tubes	44.2	44.3	42.9	43.4	-	27.2	27.3	26.0	26.3	-
3674	Semiconductors and related devices	223.4	224.5	227.0	229.5	-	92.9	92.0	90.1	90.0	-
3679	Electronic components, nec	215.9	219.8	225.8	225.8	-	151.3	154.0	156.8	156.3	-
369	Misc. electrical equipment and supplies	146.6	147.1	141.0	141.4	-	105.7	106.1	100.3	101.1	-
3691	Storage batteries	27.6	28.1	27.5	27.8	-	21.5	21.9	21.2	21.5	-
3694	Engine electrical equipment	61.6	61.5	56.2	56.1	-	47.5	47.4	43.8	43.9	-
37	TRANSPORTATION EQUIPMENT	1,936.8	1,942.6	1,749.9	1,761.2	1,752.5	1,262.6	1,259.6	1,090.3	1,108.6	1,104.8
371	Motor vehicles and equipment	820.5	826.8	694.2	717.5	-	619.1	625.0	507.1	533.8	-
3711	Motor vehicles and car bodies	377.4	379.5	300.4	314.3	-	272.0	274.2	206.8	223.0	-
3713	Truck and bus bodies	37.1	37.7	33.4	33.5	-	27.8	28.4	25.2	25.4	-
3714	Motor vehicle parts and accessories	375.0	378.1	330.3	339.4	-	295.4	298.1	252.9	263.0	-
3715	Truck trailers	26.0	26.6	24.8	24.8	-	20.1	20.6	18.1	18.1	-
372	Aircraft and parts	652.0	651.1	619.5	612.6	-	348.0	344.7	316.3	312.7	-
3721	Aircraft	347.3	347.2	329.4	325.7	-	169.4	168.0	149.6	148.8	-
3724	Aircraft engines and engine parts	164.7	164.0	153.3	150.6	-	93.5	92.7	87.9	85.4	-
3728	Aircraft equipment, nec	140.0	139.9	136.8	136.3	-	85.1	84.0	78.8	78.5	-
373	Ship and boat building and repairing	231.1	230.8	213.7	210.6	-	183.7	178.8	163.9	161.4	-
3731	Ship building and repairing	185.9	185.2	172.9	170.3	-	145.7	140.6	130.3	128.5	-
3732	Boat building and repairing	45.2	45.6	40.8	40.3	-	38.0	38.2	33.6	32.9	-
374	Railroad equipment	56.3	55.3	39.9	39.8	-	38.8	37.6	25.0	24.7	-
376	Guided missiles, space vehicles, parts	120.0	121.7	126.1	127.1	-	35.9	36.2	38.4	38.7	-
3761	Guided missiles and space vehicles	93.7	95.3	98.9	100.4	-	26.2	26.5	28.2	28.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	TRANSPORTATION EQUIPMENT—Continued										
379	Miscellaneous transportation equipment	38.7	38.8	40.5	41.5	-	23.6	23.8	28.0	28.9	-
3792	Travel trailers and campers	18.1	18.1	18.2	18.4	-	14.2	14.1	14.2	14.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	723.8	732.3	711.1	711.7	714.6	428.9	433.5	411.3	411.9	416.1
381	Engineering and scientific instruments	78.3	78.7	76.9	76.4	-	37.9	37.9	35.8	35.4	-
382	Measuring and controlling devices	256.9	260.3	247.4	246.6	-	160.8	163.7	152.4	151.9	-
3822	Environmental controls	48.0	47.5	42.9	42.9	-	32.6	32.3	28.4	28.7	-
3823	Process control instruments	58.8	60.6	58.7	58.5	-	30.9	32.0	30.4	30.3	-
3825	Instruments to measure electricity	103.9	105.6	103.7	103.3	-	64.8	66.4	65.0	64.4	-
383	Optical instruments and lenses	33.6	33.7	33.0	33.0	-	18.5	18.5	17.8	18.1	-
384	Medical instruments and supplies	159.1	160.3	161.1	161.1	-	100.3	100.5	100.3	100.0	-
3841	Surgical and medical instruments	75.2	75.9	77.0	77.4	-	46.0	46.1	45.4	45.7	-
3842	Surgical appliances and supplies	67.2	67.9	68.4	67.9	-	43.9	44.2	45.4	44.9	-
385	Ophthalmic goods	41.7	41.4	36.6	37.3	-	29.6	29.1	25.3	25.6	-
386	Photographic equipment and supplies	134.7	138.3	138.0	139.3	-	67.5	69.6	67.1	68.3	-
387	Watches, clocks, and watchcases	19.5	19.6	18.1	18.0	-	14.3	14.2	12.6	12.6	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	409.3	414.9	390.0	388.0	389.5	303.2	307.5	282.6	282.0	284.2
391	Jewelry, silverware, and plated ware	56.2	56.2	57.0	56.5	-	40.1	40.0	40.0	39.7	-
3911	Jewelry, precious metal	37.0	37.0	36.7	36.1	-	25.9	25.9	25.7	25.3	-
393	Musical instruments	21.3	21.7	19.7	19.5	-	17.3	17.5	15.5	15.3	-
394	Toys and sporting goods	118.4	121.2	109.2	109.7	-	89.2	91.8	80.9	81.6	-
3942, 4	Dolls, games, toys, and children's vehicles	59.5	62.5	53.0	53.6	-	43.5	46.3	37.4	38.3	-
3949	Sporting and athletic goods, nec	58.9	58.7	56.2	56.1	-	45.7	45.5	43.5	43.3	-
395	Pens, pencils, office and art supplies	37.0	37.2	36.2	35.9	-	26.3	26.6	25.3	25.2	-
395	Costume jewelry and notions	46.4	47.0	41.0	41.1	-	35.7	36.0	30.8	31.3	-
396	Costume jewelry	23.5	23.9	21.1	21.5	-	17.9	18.3	15.9	16.5	-
399	Miscellaneous manufactures	130.0	131.6	126.9	125.3	-	94.6	95.6	90.1	88.9	-
3993	Signs and advertising displays	46.4	46.6	45.7	45.3	-	33.5	33.6	32.5	32.2	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,638.4	1,663.9	1,578.5	1,599.3	1,624.4	1,116.0	1,137.1	1,065.0	1,083.4	1,105.7
201	Meat products	354.2	356.2	338.1	342.8	-	295.1	297.3	281.6	286.2	-
2011	Meat packing plants	155.2	155.8	147.2	148.7	-	127.4	127.9	120.8	122.4	-
2013	Sausages and other prepared meats	70.3	71.5	67.7	69.2	-	52.2	53.5	50.1	51.3	-
2016	Poultry dressing plants	114.0	115.4	109.9	111.7	-	102.9	104.4	99.4	101.1	-
202	Dairy products	170.9	174.8	166.5	168.8	-	94.5	97.6	92.5	94.3	-
2022	Cheese, natural and processed	35.7	36.9	34.0	34.5	-	27.3	28.3	25.6	26.0	-
2026	Fluid milk	96.9	98.2	94.0	94.6	-	43.3	44.0	42.5	42.8	-
203	Preserved fruits and vegetables	214.3	220.3	194.1	201.0	-	171.1	176.6	155.2	162.0	-
2032	Canned specialties	23.6	23.3	22.0	22.0	-	17.3	16.9	15.6	15.6	-
2033	Canned fruits and vegetables	71.2	73.7	61.0	64.2	-	55.2	57.6	47.0	49.8	-
2037	Frozen fruits and vegetables	46.7	48.4	42.1	44.4	-	40.3	42.0	36.1	38.6	-
204	Grain mill products	138.6	139.0	135.6	135.5	-	96.2	96.6	91.9	91.4	-
2041	Flour and other grain mill products	25.3	25.4	26.0	25.8	-	15.9	16.2	15.9	15.7	-
2048	Prepared feeds, nec	54.1	54.3	51.7	51.9	-	35.4	35.5	33.1	33.1	-
205	Bakery products	218.2	219.9	215.6	216.7	-	126.0	127.6	125.6	126.3	-
2051	Bread, cake, and related products	176.9	178.6	174.7	176.2	-	93.7	95.2	93.3	94.3	-
2052	Cookies and crackers	41.3	41.3	40.9	40.5	-	32.3	32.4	32.3	32.0	-
206	Sugar and confectionery products	99.5	99.9	97.5	97.5	-	74.1	74.4	72.3	72.7	-
2061-3	Cane and beet sugar	29.1	28.6	28.3	28.0	-	20.9	20.4	20.0	20.3	-
2065	Confectionery products	51.4	52.3	50.0	50.0	-	40.6	41.3	39.7	39.6	-
207	Fats and oils	42.1	41.8	43.3	43.5	-	31.1	30.9	32.6	32.5	-
208	Beverages	233.8	237.8	231.3	234.4	-	103.9	105.4	98.2	100.6	-
2082	Malt beverages	51.4	51.2	48.5	49.2	-	34.2	33.5	31.1	31.7	-
2086	Bottled and canned soft drinks	136.8	140.4	138.0	140.4	-	45.1	46.6	44.6	46.0	-
209	Misc. foods and kindred products	166.8	174.2	156.5	159.1	-	124.0	130.7	115.1	117.4	-
21	TOBACCO MANUFACTURES	64.2	65.5	62.0	61.1	62.4	48.9	50.2	47.3	46.7	48.0
211	Cigarettes	46.7	48.2	46.0	45.3	-	35.3	36.7	35.2	34.6	-
22	TEXTILE MILL PRODUCTS	827.6	834.1	770.5	757.7	739.5	717.6	723.5	660.4	649.0	633.9
221	Weaving mills, cotton	141.3	141.6	130.8	127.6	-	125.9	126.4	115.2	112.5	-
222	Weaving mills, synthetics	111.7	112.3	103.7	96.0	-	100.4	101.1	92.4	84.8	-
223	Weaving and finishing mills, wool	19.5	19.7	17.8	17.4	-	16.2	16.4	14.8	14.6	-
224	Narrow fabric mills	23.8	24.0	23.3	22.9	-	21.0	21.2	20.3	19.9	-
225	Knitting mills	219.5	222.0	203.1	205.7	-	190.3	192.6	174.3	177.1	-
2251	Women's hosiery, except socks	31.5	31.8	29.8	30.7	-	28.1	28.4	26.6	27.5	-
2252	Hosiery, nec	33.2	33.6	31.3	31.2	-	30.2	30.6	28.2	28.1	-
2253	Knit underwear mills	72.0	73.5	68.9	70.5	-	61.4	62.6	57.9	59.9	-
2254	Knit underwear mills	30.6	31.1	27.6	28.0	-	26.6	27.1	23.4	23.5	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	30.2	30.0	25.3	25.3	-	25.6	25.4	21.4	21.3	-
226	Textile finishing, except wool	71.0	71.7	67.3	67.3	-	59.1	59.7	55.6	55.7	-
2281	Finishing plants, cotton	28.9	29.5	28.3	28.7	-	23.7	24.3	23.0	23.5	-
2282	Finishing plants, synthetics	27.6	27.7	25.4	25.3	-	23.2	23.3	21.2	21.1	-
227	Floor covering mills	52.9	53.0	49.0	48.7	-	42.6	42.5	38.6	38.4	-
228	Yarn and thread mills	122.0	122.9	114.4	111.9	-	110.8	110.8	101.4	98.8	-
2281	Yarn mills, except wool	82.9	83.2	78.7	76.5	-	76.1	76.3	70.8	68.6	-
2282	Throwing and winding mills	20.0	20.4	18.3	18.1	-	17.7	18.0	16.0	15.8	-
229	Miscellaneous textile goods	65.9	66.9	61.1	60.2	-	52.0	52.8	47.8	47.2	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,256.6	1,271.8	1,167.5	1,170.9	1,178.9	1,071.3	1,085.4	989.2	991.1	1,001.0
231	Men's and boys' suits and coats	75.9	77.4	75.3	75.1	-	66.7	68.2	65.5	65.6	-
232	Men's and boys' furnishings	351.8	356.7	327.0	329.8	-	300.3	305.0	277.4	280.5	-
2321	Men's and boys' shirts and nightwear	97.4	99.0	92.7	92.2	-	83.8	85.4	79.4	79.2	-
2327	Men's and boys' separate trousers	72.0	72.5	67.7	68.8	-	62.6	63.4	59.4	60.0	-
2328	Men's and boys' work clothing	102.5	104.2	93.9	94.7	-	85.7	86.9	77.2	78.7	-
233	Women's and misses' outerwear	415.1	418.3	379.1	378.5	-	356.0	359.0	324.8	322.7	-
2331	Women's and misses' blouses and waists	63.0	62.8	58.6	59.1	-	55.1	54.9	50.5	50.8	-
2335	Women's and misses' dresses	138.9	140.5	133.1	128.0	-	122.3	123.6	116.8	111.0	-
2337	Women's and misses' suits and coats	62.9	65.3	47.7	53.8	-	53.7	55.9	40.2	45.7	-
2339	Women's and misses' outerwear, nec.	150.3	149.7	139.7	137.6	-	124.9	124.6	117.3	115.2	-
234	Women's and children's undergarments	90.5	91.5	87.9	86.7	-	77.3	78.2	74.8	73.7	-
2341	Women's and children's underwear	72.1	72.9	70.6	70.0	-	62.9	63.5	61.6	61.0	-
2342	Brasieres and allied garments	18.4	18.6	17.3	16.7	-	14.4	14.7	13.2	12.7	-
238	Children's outerwear	63.8	65.2	60.1	61.8	-	54.0	55.3	50.7	52.3	-
2381	Children's dresses and blouses	26.9	27.3	25.2	26.0	-	24.1	24.4	22.4	23.1	-
238	Misc. apparel and accessories	57.3	58.6	53.1	52.0	-	48.6	49.9	44.4	43.4	-
239	Misc. fabricated textile products	178.4	180.1	163.5	164.7	-	147.8	148.9	133.5	134.1	-
2391	Curtains and draperies	26.6	26.9	24.4	24.8	-	22.2	22.4	19.9	20.2	-
2392	House furnishings, nec.	47.9	48.1	46.5	45.3	-	39.5	39.6	38.6	37.4	-
2396	Automotive and apparel trimmings	33.3	33.6	25.3	26.9	-	28.6	28.7	20.2	21.8	-
26	PAPER AND ALLIED PRODUCTS	689.0	696.5	662.2	659.9	664.5	519.0	526.3	494.3	492.6	496.2
261, 2, 8	Paper and pulp mills	203.3	207.1	195.2	194.0	-	152.6	156.0	146.3	145.3	-
262	Paper mills, except building paper	174.9	178.5	169.6	168.0	-	130.1	133.4	125.6	124.3	-
263	Paperboard mills	63.5	64.3	61.0	60.6	-	49.8	50.5	47.3	47.1	-
264	Misc. converted paper products	220.1	221.7	215.9	215.1	-	162.1	164.2	157.4	156.5	-
2641	Paper coating and glazing	55.8	56.2	55.2	55.2	-	35.8	36.4	34.7	34.6	-
2642	Envelopes	25.4	25.3	25.3	25.1	-	19.8	19.8	19.5	19.3	-
2643	Bags, except textile bags	49.6	49.6	49.5	49.0	-	38.6	38.8	38.5	37.9	-
265	Paperboard containers and boxes	202.1	203.4	190.1	190.2	-	154.5	155.6	143.3	143.7	-
2651	Folding paperboard boxes	43.1	43.4	42.1	42.0	-	33.7	33.9	32.7	32.5	-
2653	Corrugated and solid fiber boxes	103.5	104.4	96.6	96.3	-	76.0	76.8	70.4	70.4	-
2654	Sanitary food containers	25.8	25.7	24.1	24.2	-	21.2	21.1	19.3	19.4	-
27	PRINTING AND PUBLISHING	1,259.9	1,264.0	1,273.8	1,271.2	1,267.9	696.5	695.3	700.4	698.5	694.7
271	Newspapers	419.9	422.1	423.9	423.7	-	161.1	161.0	160.9	160.5	-
272	Periodicals	94.3	95.2	99.6	99.3	-	18.4	18.8	21.6	22.1	-
273	Books	101.6	100.8	100.9	100.1	-	53.5	51.9	52.2	51.6	-
2731	Book publishing	71.0	70.5	70.4	70.1	-	28.0	26.8	27.0	27.0	-
2732	Book printing	30.6	30.3	30.5	30.0	-	25.5	25.1	25.2	24.6	-
274	Miscellaneous publishing	48.9	48.8	49.6	49.1	-	25.8	25.8	26.8	25.7	-
275	Commercial printing	414.9	415.6	417.4	417.2	-	305.0	304.4	305.8	305.8	-
2751	Commercial printing, letterpress	153.6	153.9	151.8	151.8	-	113.3	113.0	111.6	111.6	-
2752	Commercial printing, lithographic	238.4	239.0	242.2	242.5	-	172.8	173.1	175.6	175.9	-
276	Manifold business forms	48.9	49.2	48.7	48.5	-	34.2	34.2	34.0	33.9	-
278	Blankbooks and bookbinding	62.7	63.1	63.1	62.9	-	51.0	51.6	51.1	50.8	-
279	Printing trade services	44.7	44.4	45.3	45.2	-	33.3	33.0	33.4	33.3	-
28	CHEMICALS AND ALLIED PRODUCTS	1,110.1	1,121.6	1,080.9	1,079.4	1,084.6	632.7	639.3	602.2	603.1	609.3
281	Industrial inorganic chemicals	159.6	161.2	155.1	154.3	-	87.6	88.4	83.2	83.2	-
2819	Industrial inorganic chemicals, nec.	105.4	106.4	101.0	101.0	-	57.6	58.2	54.0	53.8	-
282	Plastics materials and synthetics	196.3	197.8	185.5	184.3	-	130.8	132.1	120.2	119.5	-
2821	Plastics materials and resins	78.5	79.4	74.7	74.1	-	46.4	47.2	43.4	43.0	-
2824	Organic fibers, noncellulosic	83.3	83.4	78.7	78.1	-	58.8	58.9	55.0	54.7	-
283	Drugs	198.6	201.2	198.6	199.3	-	99.6	100.6	96.9	97.9	-
2834	Pharmaceutical preparations	156.9	159.0	156.8	156.5	-	77.3	78.2	75.1	75.4	-
284	Soap, cleaners, and toilet goods	144.0	146.5	142.8	142.9	-	90.0	92.2	88.6	88.7	-
2841	Soap and other detergents	44.1	44.5	43.8	43.7	-	28.8	29.4	28.5	28.5	-
2844	Toilet preparations	61.4	63.1	60.7	60.8	-	40.3	41.6	39.7	39.8	-
2842, 3	Polishing, sanitation, and finishing preparations	38.5	38.9	38.3	38.4	-	20.9	21.2	20.4	20.4	-
285	Paints and allied products	63.9	65.1	59.6	59.9	-	31.9	32.8	28.6	29.0	-
286	Industrial organic chemicals	179.3	180.9	175.3	175.5	-	91.3	92.0	88.0	88.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	37.8	37.9	35.9	36.1	-	23.2	23.3	22.0	22.2	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	141.5	143.0	139.4	139.4	-	68.1	68.7	66.0	66.5	-
287	Agricultural chemicals	73.5	72.9	71.2	70.7	-	46.7	45.6	44.5	44.1	-
289	Miscellaneous chemical products	94.9	96.0	92.8	92.5	-	54.8	55.6	52.2	52.0	-
29	PETROLEUM AND COAL PRODUCTS	217.5	220.0	203.8	206.4	208.8	137.9	139.1	121.0	124.3	128.5
291	Petroleum refining	173.7	175.7	168.2	168.3	-	106.1	106.9	96.6	97.5	-
295	Paving and roofing materials	31.2	31.7	23.7	26.3	-	23.7	24.1	17.2	19.6	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	741.1	750.9	704.2	704.6	707.6	574.7	581.3	539.5	541.2	545.1
301	Tires and inner tubes	106.9	108.5	104.4	102.8	-	75.2	74.8	74.2	73.3	-
302	Rubber and plastics footwear	22.4	22.8	21.4	21.8	-	19.8	20.2	18.4	18.9	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	23.8	24.1	20.6	21.3	-	16.8	17.0	14.8	15.4	-
306	Fabricated rubber products, nec	106.1	107.3	97.2	96.3	-	82.9	84.1	73.9	73.1	-
307	Miscellaneous plastics products	481.9	488.2	460.6	462.4	-	380.0	385.2	358.2	360.5	-
31	LEATHER AND LEATHER PRODUCTS	237.2	240.1	213.4	214.4	215.6	200.7	203.2	179.4	179.8	181.1
311	Leather tanning and finishing	21.0	21.3	18.6	18.8	-	17.6	18.0	15.4	15.4	-
314	Footwear, except rubber	145.8	147.3	130.2	129.9	-	125.1	126.4	111.5	110.8	-
3143	Men's footwear, except athletic	57.9	58.6	51.7	50.3	-	49.5	50.1	43.2	41.7	-
3144	Women's footwear, except athletic	54.6	55.9	47.5	48.6	-	46.8	48.0	41.0	42.0	-
316	Luggage	15.9	16.2	13.4	13.8	-	12.3	12.5	10.2	10.6	-
317	Handbags and personal leather goods	30.0	30.4	27.6	28.2	-	25.1	25.4	22.6	23.2	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,151	5,199	5,058	5,096	5,112	4,275	4,319	4,175	4,211	4,226
40	RAILROAD TRANSPORTATION	499.8	498.3	441.6	448.4	-	-	-	-	-	-
4011	Class I railroads ²	461.1	459.6	405.8	411.9	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	276.5	264.9	283.6	292.2	-	257.2	245.6	263.2	271.6	-
411	Local and suburban transportation	81.6	82.7	84.7	85.2	-	74.8	75.4	77.2	77.7	-
412	Taxicabs	47.3	46.5	46.4	46.3	-	-	-	-	-	-
413	Intercity highway transportation	38.4	39.4	35.8	36.7	-	35.5	36.3	32.9	33.7	-
415	School buses	90.9	78.2	98.8	104.6	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,249.4	1,268.4	1,188.1	1,202.5	-	1,085.2	1,107.1	1,029.0	1,043.2	-
421,3	Trucking and trucking terminals	1,165.6	1,183.3	1,105.5	1,120.8	-	1,015.4	1,036.1	960.2	975.3	-
422	Public warehousing	83.8	85.1	82.6	81.7	-	69.8	71.0	68.8	67.9	-
44	WATER TRANSPORTATION	218.3	222.9	203.7	201.5	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	456.0	459.6	441.2	442.9	-	-	-	-	-	-
451,2	Air transportation	404.7	407.8	390.3	391.5	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	21.4	22.5	21.9	22.5	-	14.9	15.9	15.0	15.4	-
47	TRANSPORTATION SERVICES	207.6	214.5	220.4	222.2	-	-	-	-	-	-
48	COMMUNICATION	1,378.5	1,387.8	1,396.9	1,398.0	-	1,031.0	1,039.6	1,054.9	1,056.6	-
481	Telephone communication	1,072.4	1,078.2	1,074.9	1,072.2	-	781.0	785.8	788.7	787.1	-
483	Radio and television broadcasting	206.4	208.1	212.9	216.3	-	166.7	168.2	173.6	176.9	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	843.6	860.5	860.7	865.4	-	689.7	704.7	698.5	702.2	-
491	Electric services	401.6	407.6	410.1	411.9	-	325.5	330.6	326.7	328.4	-
492	Gas production and distribution	172.1	178.0	175.7	176.9	-	140.4	145.7	141.3	142.0	-
493	Combination utility services	197.2	200.8	199.6	200.5	-	161.4	164.8	165.7	166.0	-
495	Sanitary services	49.2	50.2	52.1	52.9	-	43.0	43.8	45.9	46.8	-
-	WHOLESALE AND RETAIL TRADE	20,520	20,671	20,446	20,632	20,721	17,896	18,040	17,846	18,032	18,124
50,51	WHOLESALE TRADE	5,351	5,397	5,307	5,315	5,334	4,355	4,396	4,288	4,297	4,315
50	WHOLESALE TRADE - DURABLE GOODS	3,172	3,198	3,149	3,143	-	2,577	2,598	2,532	2,526	-
501	Motor vehicles and automotive equipment	411.2	414.2	412.6	414.4	-	331.0	333.6	332.1	334.2	-
502	Furniture and home furnishing	115.3	115.2	118.1	117.2	-	93.8	93.7	96.8	96.2	-
503	Lumber and construction materials	193.5	194.2	178.0	179.5	-	159.6	160.1	144.8	146.0	-
504	Sporting goods, toys, and hobby goods	71.0	71.3	71.1	71.0	-	56.8	57.4	56.9	56.8	-
505	Metals and minerals, except petroleum	152.7	153.5	144.2	142.8	-	122.8	124.0	113.9	112.9	-
506	Electrical goods	430.9	433.8	437.0	435.9	-	346.4	349.0	350.8	349.1	-
507	Hardware, plumbing, and heating equipment	244.2	245.8	236.9	236.0	-	200.0	201.3	191.6	190.8	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹					
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	
	WHOLESALE TRADE-DURABLE GOODS—											
	Continued											
508	Machinery, equipment, and supplies	1,342.0	1,359.8	1,361.5	1,359.6	-	1,088.3	1,101.3	1,087.0	1,084.6	-	
509	Miscellaneous durable goods	210.8	210.3	189.5	186.7	-	177.9	177.9	158.4	155.8	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	2,179	2,199	2,158	2,172	-	1,778	1,798	1,756	1,771	-	
511	Paper and paper products	154.6	155.9	156.6	156.5	-	125.2	126.8	125.9	125.4	-	
512	Drugs, proprietaries, and sundries	149.9	150.8	151.8	152.0	-	126.5	127.3	128.4	128.6	-	
513	Apparel, piece goods, and notions	167.8	169.6	169.1	168.6	-	131.9	133.4	132.0	131.3	-	
514	Groceries and related products	662.1	672.4	643.4	652.5	-	567.6	578.0	551.1	560.7	-	
516	Chemicals and allied products	131.3	134.1	136.3	136.2	-	94.0	96.9	97.2	97.4	-	
517	Petroleum and petroleum products	233.9	234.8	231.3	233.7	-	176.1	177.2	173.6	176.4	-	
518	Beer, wine, and distilled beverages	141.3	143.8	143.0	144.7	-	118.1	120.5	118.9	120.5	-	
519	Miscellaneous nondurable goods	399.9	399.3	396.5	399.4	-	326.5	325.5	323.6	326.0	-	
52-59	RETAIL TRADE	15,169	15,274	15,139	15,317	15,387	13,541	13,644	13,558	13,735	13,809	
52	BUILDING MATERIALS AND GARDEN											
	SUPPLIES	625.3	623.5	584.4	598.2	-	529.9	528.1	490.9	504.7	-	
521	Lumber and other building materials	322.9	326.3	298.9	306.8	-	273.2	276.4	250.5	258.5	-	
525	Hardware stores	150.0	151.5	145.1	146.9	-	128.1	129.7	123.3	124.9	-	
53	GENERAL MERCHANDISE STORES	2,179.6	2,190.2	2,171.1	2,185.0	-	1,941.7	1,962.0	2,004.1	2,021.2	-	
531	Department stores	1,826.3	1,834.3	1,820.6	1,834.1	-	1,623.2	1,641.1	1,687.6	1,704.4	-	
533	Variety stores	232.0	230.8	221.3	221.5	-	214.8	213.7	205.7	205.4	-	
539	Misc. general merchandise stores	121.3	125.1	129.2	129.4	-	103.7	107.2	110.8	111.4	-	
54	FOOD STORES	2,413.5	2,432.9	2,425.0	2,447.5	-	2,235.5	2,252.9	2,244.4	2,266.0	-	
541	Grocery stores	2,114.5	2,131.6	2,129.2	2,148.2	-	1,963.0	1,979.4	1,975.9	1,994.7	-	
542	Meat markets and freezer provisioners	55.2	56.6	55.0	55.7	-	-	-	-	-	-	
546	Retail bakeries	127.7	128.5	126.6	127.2	-	117.6	117.7	117.0	117.2	-	
55	AUTOMOTIVE DEALERS AND SERVICE											
	STATIONS	1,654.0	1,662.0	1,634.0	1,645.4	-	1,400.1	1,408.6	1,375.8	1,385.7	-	
551.2	New and used car dealers	751.4	753.5	729.6	732.1	-	613.8	616.3	596.7	599.0	-	
553	Auto and home supply stores	263.4	265.5	270.1	275.7	-	228.1	230.8	232.3	236.6	-	
554	Gasoline service stations	558.0	561.0	551.5	552.2	-	488.6	491.0	480.5	480.7	-	
56	APPAREL AND ACCESSORY STORES	951.9	953.2	957.5	955.6	-	811.9	814.2	814.2	813.0	-	
561	Men's and boys' clothing and furnishings	125.3	126.2	126.5	125.7	-	105.7	106.5	106.7	106.4	-	
562	Women's ready-to-wear stores	347.9	345.9	340.5	345.1	-	301.3	299.8	293.7	297.8	-	
565	Family clothing stores	173.9	175.5	174.6	173.7	-	151.4	153.0	151.4	151.6	-	
568	Shoe stores	202.2	203.4	214.3	210.0	-	165.9	167.6	175.4	170.4	-	
57	FURNITURE AND HOME FURNISHINGS											
	STORES	592.1	597.2	588.4	587.8	-	489.2	492.0	485.4	484.9	-	
571	Furniture and home furnishings stores	370.4	373.3	364.0	362.7	-	306.7	309.0	300.6	299.4	-	
572	Household appliance stores	78.1	79.0	80.1	80.2	-	66.5	67.2	67.6	67.4	-	
573	Radio, television, and music stores	143.6	144.9	144.3	144.9	-	116.0	115.8	117.2	118.1	-	
58	EATING AND DRINKING PLACES	4,826.1	4,888.1	4,816.4	4,929.8	-	4,453.5	4,509.8	4,434.1	4,544.8	-	
59	MISCELLANEOUS RETAIL	1,926.9	1,926.5	1,961.8	1,967.5	-	1,679.4	1,676.1	1,709.2	1,714.2	-	
591	Drug stores and proprietary stores	490.9	493.6	494.4	494.4	-	442.9	445.0	442.3	442.6	-	
592	Liquor stores	133.3	135.6	134.6	135.1	-	-	-	-	-	-	
594	Miscellaneous shopping goods stores	598.5	601.0	628.8	628.5	-	509.4	510.8	539.1	538.9	-	
596	Nonstore retailers	257.9	260.5	267.7	265.0	-	238.0	240.1	246.5	244.2	-	
598	Fuel and ice dealers	101.1	101.0	104.1	102.2	-	84.1	83.7	86.5	84.7	-	
599	Retail stores, nec.	282.7	272.5	269.9	279.7	-	239.3	228.3	228.0	236.1	-	
-	FINANCE, INSURANCE, AND REAL											
	ESTATE ²	5,296	5,353	5,319	5,340	5,402	4,000	4,053	3,983	3,998	4,060	
60	BANKING	1,617.9	1,634.4	1,645.4	1,646.3	-	1,236.3	1,251.4	1,233.7	1,233.9	-	
602	Commercial and stock savings banks	1,474.2	1,489.0	1,500.7	1,501.4	-	1,120.4	1,134.0	1,117.9	1,118.2	-	
61	CREDIT AGENCIES OTHER THAN BANKS	585.7	587.0	583.1	584.3	-	445.5	446.6	440.7	441.5	-	
612	Savings and loan associations	265.0	265.4	271.3	271.4	-	201.0	201.4	206.8	207.1	-	
614	Personal credit institutions	205.6	204.8	194.3	194.8	-	158.8	158.4	149.1	149.3	-	
82	SECURITY, COMMODITY BROKERS, AND											
	SERVICES	256.2	261.4	277.1	277.3	-	-	-	-	-	-	
621	Security brokers and dealers	210.0	214.4	230.7	230.9	-	-	-	-	-	-	
63	INSURANCE CARRIERS	1,235.0	1,238.1	1,225.3	1,225.9	-	854.9	858.4	841.1	838.8	-	
831	Life insurance	542.2	543.5	538.6	540.3	-	337.2	339.9	334.0	332.7	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	142.8	143.3	140.7	141.4	-	113.3	113.8	112.0	112.4	-
633	Fire, marine, and casualty insurance	475.5	476.7	474.6	473.3	-	346.5	346.4	340.3	339.4	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	463.5	466.3	473.4	477.6	-	-	-	-	-	-
85	REAL ESTATE	998.9	1,025.8	568.8	980.6	-	-	-	-	-	-
851	Real estate operators and lessors	468.3	482.5	470.4	469.8	-	-	-	-	-	-
853	Real estate agents and managers	373.8	384.5	363.1	367.6	-	-	-	-	-	-
855	Subdividers and developers	136.1	138.0	117.5	125.5	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	19.3	19.6	19.4	19.3	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	119.5	120.4	126.8	128.2	-	-	-	-	-	-
-	SERVICES	18,594	18,711	18,967	19,024	19,124	16,556	16,659	16,847	16,900	16,980
70	HOTELS AND OTHER LODGING PLACES	1,129.8	1,177.8	1,094.1	1,127.1	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,092.8	1,129.9	1,062.0	1,090.3	-	1,002.2	1,036.2	973.8	1,001.5	-
72	PERSONAL SERVICES	905.5	904.2	947.5	903.4	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	353.2	354.9	348.8	351.5	-	315.6	317.2	311.0	313.6	-
723	Beauty shops	282.6	281.6	293.7	292.6	-	263.0	261.8	270.3	269.2	-
726	Funeral service and crematories	71.1	71.5	73.3	73.7	-	-	-	-	-	-
73	BUSINESS SERVICES	3,234.2	3,263.4	3,255.7	3,260.6	-	2,831.5	2,856.1	2,832.4	2,838.4	-
731	Advertising	155.1	156.9	158.3	159.0	-	118.7	120.5	121.6	122.1	-
732	Credit reporting and collection	75.6	76.1	74.7	74.9	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	125.4	127.3	132.8	130.2	-	-	-	-	-	-
734	Services to buildings	518.2	519.3	527.4	533.4	-	469.1	471.6	479.1	485.4	-
736	Personnel supply services	603.7	604.4	550.8	549.0	-	-	-	-	-	-
737	Computer and data processing services	325.5	332.0	355.4	353.4	-	271.7	277.1	290.6	288.2	-
75	AUTO REPAIR, SERVICES, AND GARAGES	571.2	572.5	580.3	583.3	-	486.9	487.1	491.9	494.2	-
753	Automotive repair shops	351.5	352.9	360.5	361.3	-	297.5	298.0	301.6	302.1	-
76	MISCELLANEOUS REPAIR SERVICES	294.5	293.8	296.7	297.2	-	246.2	246.3	251.0	250.9	-
78	MOTION PICTURES	214.3	218.5	207.2	203.6	-	185.3	189.5	176.2	173.7	-
781	Motion picture production and services	78.6	76.0	76.7	69.7	-	64.5	62.2	60.8	54.3	-
783	Motion picture theaters	124.5	131.3	119.7	123.2	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	805.6	856.1	823.0	876.1	-	731.4	781.7	739.5	795.3	-
80	HEALTH SERVICES	5,501.5	5,567.3	5,719.1	5,739.7	-	4,915.7	4,980.4	5,123.2	5,141.4	-
801	Offices of physicians	778.6	787.1	810.2	812.2	-	638.0	647.8	665.1	665.5	-
802	Offices of dentists	357.0	360.8	379.6	382.2	-	314.3	317.6	335.8	338.0	-
805	Nursing and personal care facilities	1,021.5	1,034.0	1,051.7	1,058.7	-	923.8	936.1	952.9	959.0	-
806	Hospitals	2,869.5	2,906.2	2,983.7	2,989.4	-	2,628.7	2,664.5	2,737.5	2,744.1	-
81	LEGAL SERVICES	521.8	543.0	551.5	555.7	-	445.6	465.6	465.8	469.8	-
82	EDUCATIONAL SERVICES	1,194.2	1,086.8	1,257.3	1,219.8	-	-	-	-	-	-
821	Elementary and secondary schools	319.1	307.5	321.9	324.0	-	-	-	-	-	-
822	Colleges and universities	755.8	662.2	811.6	774.7	-	-	-	-	-	-
83	SOCIAL SERVICES	1,163.9	1,152.9	1,176.1	1,187.1	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,541.6	1,533.5	1,537.8	1,547.7	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,033.0	1,049.7	1,066.5	1,054.8	-	863.5	879.7	875.5	862.6	-
891	Engineering and architectural services	567.4	580.9	569.2	571.1	-	481.5	497.7	467.1	468.5	-
893	Accounting, auditing, and bookkeeping	327.9	330.3	357.5	344.7	-	266.8	266.0	291.5	278.1	-
-	GOVERNMENT	16,388	16,168	16,154	16,148	16,055	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,782	2,825	2,730	2,739	2,770	-	-	-	-	-
-	Executive, by agency ⁴	2,727.7	2,769.1	2,675.6	2,684.0	-	-	-	-	-	-
-	Department of Defense	908.9	931.4	936.6	943.2	-	-	-	-	-	-
-	Postal Service	659.4	661.8	660.7	663.3	-	-	-	-	-	-
-	Other executive agencies	1,159.4	1,175.9	1,078.3	1,077.5	-	-	-	-	-	-
-	Legislative	39.3	40.4	39.3	39.5	-	-	-	-	-	-
-	Judicial	15.1	15.2	15.4	15.5	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
-	Manufacturing activities	129.1	132.4	136.8	137.3	-	-	-	-	-	-
3731	Shipbuilding and repairing	77.0	78.1	81.5	81.8	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	41.9	42.1	43.1	43.2	-	-	-	-	-	-
-	Services	391.1	396.6	388.1	391.8	-	-	-	-	-	-
806	Federal government hospitals	229.4	230.7	231.6	232.7	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	13,606	13,343	13,424	13,409	13,285	-	-	-	-	-
-	State government	3,675.3	3,521.4	3,679.2	3,641.8	-	-	-	-	-	-
806	State government hospitals	519.5	521.8	517.2	516.5	-	-	-	-	-	-
82	State education	1,464.0	1,278.6	1,488.3	1,447.2	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	1,045.2	1,059.0	1,048.7	1,052.2	-	-	-	-	-	-
-	Local government	9,931.0	9,821.9	9,744.6	9,766.8	-	-	-	-	-	-
-	Transportation and public utilities	574.2	579.5	578.2	580.6	-	-	-	-	-	-
806	Local government hospitals	622.0	628.7	640.9	641.6	-	-	-	-	-	-
82	Local education	5,519.7	5,297.5	5,465.5	5,454.0	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	2,851.4	2,940.2	2,754.5	2,779.6	-	-	-	-	-	-

¹ Data relate to production and related workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁴ Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

- Data not available.
p - preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
-	TOTAL	38,821	39,048	39,024	39,154	39,233
-	PRIVATE SECTOR	30,771	31,009	31,193	31,268	31,356
-	MINING	121	116	139	140	141
10	METAL MINING	9.6	9.4	7.7	7.5	7.2
11, 12	COAL MINING	11.4	4.5	11.8	11.7	11.7
13	OIL AND GAS EXTRACTION	90.4	92.3	110.1	111.1	112.3
131, 2	Crude petroleum, natural gas, and natural gas liquids	58.2	59.8	68.9	69.3	69.2
138	Oil and gas field services	32.2	32.5	41.2	41.8	43.1
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.7	9.8	9.3	9.3	9.4
142	Crushed and broken stone	2.6	2.7	2.5	2.5	2.6
144	Sand and gravel	3.1	3.1	2.8	2.8	2.9
-	CONSTRUCTION	370	375	373	375	379
15	GENERAL BUILDING CONTRACTORS	127.0	127.9	121.1	119.9	120.3
152	Residential building construction	70.4	71.6	67.7	67.3	68.0
153	Operative builders	15.1	15.2	14.2	13.8	13.8
154	Nonresidential building construction	41.5	41.1	39.2	38.8	38.5
16	HEAVY CONSTRUCTION CONTRACTORS	58.5	60.4	59.2	60.3	63.3
161	Highway and street construction	15.2	16.5	13.3	13.7	14.3
162	Heavy construction, except highway	43.3	43.9	45.9	46.6	49.0
17	SPECIAL TRADE CONTRACTORS	184.8	186.9	192.8	194.4	195.7
171	Plumbing, heating, air conditioning	49.8	50.7	52.2	52.1	52.3
172	Painting, paper hanging, decorating	11.6	11.7	11.4	11.5	12.0
173	Electrical work	36.4	36.5	37.2	37.3	37.4
174	Masonry, stonework, and plastering	20.3	20.5	20.3	20.2	20.7
175	Carpentering and flooring	14.6	14.5	14.0	14.1	14.0
176	Roofing and sheet metal work	12.5	12.3	12.0	12.5	12.4
-	MANUFACTURING	6,267	6,304	6,110	6,084	6,039
24, 25, 32-39	DURABLE GOODS	3,008	3,034	2,928	2,916	2,894
20-23, 26-31	NONDURABLE GOODS	3,259	3,270	3,182	3,168	3,145
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	100.9	102.8	89.5	89.4	90.0
241	Logging camps and logging contractors	5.0	5.1	4.9	4.9	5.2
242	Sawmills and planing mills	19.6	19.7	17.1	17.0	17.1
2421	Sawmills and planing mills, general	13.9	13.9	12.1	12.0	12.0
243	Millwork, plywood, and structural members	40.5	41.5	34.1	33.9	34.3
244	Wood containers	6.7	6.8	6.7	6.6	6.8
245	Wood buildings and mobile homes	8.3	8.7	7.1	7.2	7.2
249	Miscellaneous wood products	20.8	21.0	19.6	19.8	19.4
25	FURNITURE AND FIXTURES	139.4	141.7	136.2	135.2	133.8
251	Household furniture	98.7	100.7	94.4	93.5	92.7
2511	Wood household furniture	41.8	41.9	39.8	39.0	39.0
2512	Upholstered household furniture	31.4	32.3	29.5	29.5	29.1
2515	Mattresses and bedsprings	8.5	8.5	7.8	7.8	7.9
252	Office furniture	13.8	13.7	14.2	13.9	13.6
253	Public building and related furniture	4.9	4.9	5.4	5.4	5.4
254	Partitions and fixtures	10.4	10.7	10.4	10.3	10.2
259	Miscellaneous furniture and fixtures	11.6	11.7	11.8	12.1	11.9
32	STONE, CLAY, AND GLASS PRODUCTS	123.1	124.0	118.5	118.0	116.2
322	Glass and glassware, pressed or blown	39.9	40.1	38.0	37.8	36.9
3221	Glass containers	22.4	22.5	21.6	21.6	21.5
3229	Pressed and blown glass, nec	17.5	17.6	16.4	16.2	15.4
323	Products of purchased glass	12.6	12.6	12.2	12.0	11.9
324	Cement, hydraulic	1.8	1.8	1.7	1.7	1.7
325	Structural clay products	5.9	6.1	5.9	5.6	5.5
326	Pottery and related products	14.9	14.5	13.8	13.9	13.6
327	Concrete, gypsum, and plaster products	14.9	15.0	14.3	14.4	14.3
329	Misc. nonmetallic mineral products	30.4	30.9	29.8	29.7	29.1
33	PRIMARY METAL INDUSTRIES	125.4	126.9	111.1	109.7	107.7
331	Blast furnace and basic steel products	40.8	41.8	35.3	34.2	32.6
3312	Blast furnaces and steel mills	30.4	31.4	25.9	24.9	23.5
332	Iron and steel foundries	18.5	18.6	16.8	16.7	16.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

(In thousands)

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.6	8.7	7.4	7.4	7.1
3322	Malleable iron foundries	1.1	1.1	1.0	.9	1.0
3325	Steel foundries, nec	4.6	4.7	4.3	4.3	4.2
333	Primary nonferrous metals	5.0	5.0	4.6	4.6	4.5
3334	Primary aluminum	2.3	2.3	1.8	1.9	1.9
335	Nonferrous rolling and drawing	40.1	40.1	34.5	34.5	34.5
3351	Copper rolling and drawing	3.5	3.5	3.1	3.0	3.0
3353	Aluminum sheet, plate, and foil	4.0	4.1	3.1	3.2	3.1
3357	Nonferrous wire drawing and insulating	24.6	24.6	21.2	21.2	21.3
336	Nonferrous foundries	15.4	15.7	14.4	14.3	14.1
3361	Aluminum foundries	8.1	8.2	7.5	7.4	7.3
34	FABRICATED METAL PRODUCTS	335.3	339.1	313.5	312.2	309.4
341	Metal cans and shipping containers	12.6	12.7	11.6	11.7	11.7
3411	Metal cans	10.7	10.8	9.9	9.9	9.9
342	Cutlery, hand tools, and hardware	54.9	55.6	48.7	47.9	47.4
3423, 5	Hand and edge tools, and hand saws and blades	15.5	15.4	14.9	14.5	14.2
3429	Hardware, nec	32.2	33.0	27.5	27.2	27.2
343	Plumbing and heating, except electric	16.6	16.9	16.7	16.7	16.6
344	Fabricated structural metal products	71.9	72.5	68.1	67.6	67.6
3441	Fabricated structural metal	7.7	7.8	7.6	7.5	7.5
3442	Metal doors, sash, and trim	20.2	20.3	18.6	18.7	19.0
3443	Fabricated plate work (boiler shops)	18.8	18.9	18.5	18.3	17.8
3444	Sheet metal work	15.4	15.6	14.5	14.5	14.8
345	Screw machine products, bolts, etc.	24.0	24.0	21.7	21.6	21.2
3451	Screw machine products	11.8	11.8	10.8	10.8	10.5
3452	Bolts, nuts, rivets, and washers	12.2	12.2	10.9	10.8	10.7
346	Metal forgings and stampings	53.0	54.1	46.5	46.4	46.4
3462	Iron and steel forgings	4.3	4.2	3.8	3.7	3.6
3465	Automotive stampings	13.7	14.5	10.9	11.2	12.0
3469	Metal stampings, nec	32.4	32.8	29.3	28.9	28.4
347	Metal services, nec	23.8	24.1	22.4	22.8	22.4
3471	Plating and polishing	17.0	17.3	16.3	16.7	16.5
3479	Metal coating and allied services	6.8	6.8	6.1	6.1	5.9
348	Ordnance and accessories, nec	19.5	19.7	19.8	20.0	19.9
349	Misc. fabricated metal products	59.0	59.5	58.0	57.5	56.2
3494	Valves and pipe fittings	22.7	23.1	22.7	22.4	21.9
3496	Misc. fabricated wire products	14.0	14.1	14.0	14.0	13.8
35	MACHINERY, EXCEPT ELECTRICAL	501.8	503.1	509.4	507.4	502.5
351	Engines and turbines	23.2	22.6	24.5	23.5	21.6
3511	Turbines and turbine generator sets	6.8	6.7	6.4	6.4	6.5
3519	Internal combustion engines, nec	16.4	15.9	18.1	17.1	15.1
352	Farm and garden machinery	27.0	26.4	25.4	23.1	24.8
3523	Farm machinery and equipment	20.1	19.8	18.1	15.8	16.9
353	Construction and related machinery	51.4	51.7	54.4	54.0	52.6
3531	Construction machinery	14.7	14.8	15.3	15.2	14.5
3533	Oil field machinery	16.3	16.6	19.7	19.8	19.5
354	Metalworking machinery	57.9	57.9	54.8	53.7	52.9
3541	Machine tools, metal cutting types	10.9	10.8	9.7	9.6	9.3
3544	Special dies, tools, jigs, and fixtures	15.4	15.7	15.0	14.9	14.9
3545	Machine tool accessories	13.4	13.6	13.3	12.9	12.5
355	Special industry machinery	30.2	30.0	28.4	28.5	27.9
3551	Food products machinery	6.0	5.9	5.5	5.5	5.4
3552	Textile machinery	5.3	5.2	4.8	4.9	4.6
3555	Printing trades machinery	6.6	6.7	6.9	6.9	6.9
356	General industrial machinery	64.1	64.3	61.1	60.5	59.3
3561	Pumps and pumping equipment	11.5	11.6	11.4	11.4	11.1
3562	Ball and roller bearings	14.5	14.5	12.9	12.8	12.7
357	Office and computing machines	162.1	163.0	178.1	180.4	180.4
3573	Electronic computing equipment	136.0	136.7	152.1	154.6	154.8
358	Refrigeration and service machinery	38.5	38.6	37.0	36.9	36.3
3585	Refrigeration and heating equipment	26.2	26.3	24.5	24.6	24.2
359	Misc. machinery, except electrical	47.4	48.6	45.7	46.8	46.7
3599	Machinery, except electrical, nec	37.4	38.0	38.4	37.8	37.5
36	ELECTRIC AND ELECTRONIC EQUIPMENT	888.2	893.7	874.2	868.9	866.3
361	Electric distributing equipment	46.5	46.4	44.4	43.9	43.5
3612	Transformers	19.7	19.2	18.4	18.4	18.1
3613	Switchgear and switchboard apparatus	26.8	27.2	26.2	25.5	25.4
362	Electrical industrial apparatus	91.8	92.7	85.9	84.1	82.0
3621	Motors and generators	51.4	51.9	46.5	45.1	44.0
3622	Industrial controls	28.8	28.9	28.2	27.9	27.3
363	Household appliances	59.8	60.2	53.1	50.9	52.2
3632	Household refrigerators and freezers	10.4	10.4	8.9	7.9	8.2
3633	Household laundry equipment	4.4	4.5	3.9	3.7	3.5
3634	Electric housewares and fans	28.2	28.2	24.8	25.0	25.3
364	Electric lighting and wiring equipment	92.6	93.4	88.2	87.2	86.5
3641	Electric lamps	20.8	20.6	20.7	20.6	20.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3843	Current-carrying wiring devices	39.6	40.3	38.6	38.0	37.8
365	Radio and TV receiving equipment	57.3	57.0	51.5	51.1	50.4
3651	Radio and TV receiving sets	42.4	42.1	38.8	38.0	37.8
366	Communication equipment	210.1	210.1	212.9	213.0	211.6
3661	Telephone and telegraph apparatus	76.5	76.4	72.0	71.3	70.4
3662	Radio and TV communication equipment	133.6	133.7	140.9	141.7	141.2
367	Electronic components and accessories	279.1	281.9	284.8	284.9	285.2
3671-3	Electronic tubes	16.6	16.6	15.9	15.6	15.7
3674	Semiconductors and related devices	102.9	104.0	103.5	103.5	103.7
3679	Electronic components, nec	113.4	114.4	118.8	119.2	119.4
369	Misc. electrical equipment and supplies	51.0	52.0	53.4	53.8	54.9
3694	Engine electrical equipment	21.6	22.3	22.9	23.9	24.8
TRANSPORTATION EQUIPMENT						
37	Motor vehicles and equipment	300.3	306.1	290.3	289.9	286.2
371	Motor vehicles and equipment	168.4	112.4	98.0	99.3	97.8
3711	Motor vehicles and car bodies	39.7	41.7	33.3	34.7	32.3
3713	Truck and bus bodies	4.1	4.3	3.5	3.3	3.3
3714	Motor vehicle parts and accessories	61.3	63.2	57.8	58.0	58.8
372	Aircraft and parts	122.6	122.9	122.5	121.4	119.4
3721	Aircraft	65.6	66.2	67.9	67.3	66.1
3724	Aircraft engines and engine parts	29.7	29.2	27.3	26.9	26.1
3728	Aircraft equipment, nec	27.3	27.5	27.3	27.2	27.2
373	Ship and boat building and repairing	23.6	23.8	23.4	23.2	23.1
3731	Ship building and repairing	17.6	17.6	17.4	17.1	17.0
374	Railroad equipment	6.0	6.0	4.7	4.5	4.2
376	Guided missiles, space vehicles, parts	26.3	26.9	28.8	28.9	29.0
3761	Guided missiles and space vehicles	21.3	21.8	23.5	23.5	23.6
379	Miscellaneous transportation equipment	6.8	7.2	7.2	6.8	7.1
INSTRUMENTS AND RELATED PRODUCTS						
38	Engineering and scientific instruments	306.1	307.8	304.7	303.3	303.1
381	Engineering and scientific instruments	24.5	24.4	24.3	24.3	24.2
382	Measuring and controlling devices	109.3	110.9	107.3	106.4	105.7
3822	Environmental controls	24.2	24.4	21.6	21.1	20.8
3823	Process control instruments	20.0	20.2	19.8	19.7	19.7
3825	Instruments to measure electricity	47.6	47.8	48.4	48.5	48.3
383	Optical instruments and lenses	11.3	11.3	11.4	11.4	11.6
384	Medical instruments and supplies	66.5	66.4	68.9	68.4	68.5
3841	Surgical and medical instruments	42.3	42.5	43.3	43.1	43.3
3842	Surgical appliances and supplies	36.0	35.8	37.6	37.4	37.4
385	Ophthalmic goods	24.5	24.7	22.2	22.1	22.1
386	Photographic equipment and supplies	38.0	38.4	39.6	39.9	40.2
387	Watches, clocks, and watchcases	12.0	11.7	11.0	10.8	10.8
MISCELLANEOUS MANUFACTURING INDUSTRIES						
39	Jewelry, silverware, and plated ware	187.0	189.0	180.4	181.6	178.9
391	Jewelry, silverware, and plated ware	25.6	25.8	25.7	25.5	25.4
393	Musical instruments	9.9	10.0	9.4	9.4	9.1
394	Toys and sporting goods	58.6	60.2	55.2	56.3	55.7
3942, 4	Dolls, games, toys, and children's vehicles	30.7	31.6	27.1	28.2	28.7
3949	Sporting and athletic goods, nec	27.9	28.6	28.1	28.1	27.0
395	Pens, pencils, office and art supplies	19.7	19.9	19.5	19.6	19.2
396	Costume jewelry and notions	26.5	26.5	23.6	24.0	23.0
399	Miscellaneous manufactures	46.7	46.6	47.0	46.8	46.5
NONDURABLE GOODS						
FOOD AND KINDRED PRODUCTS						
20	Meat products	473.4	473.3	468.3	469.8	459.7
201	Meat products	114.4	114.7	111.0	111.1	110.7
2011	Meat packing plants	27.6	27.9	27.4	26.9	26.6
2013	Sausages and other prepared meats	20.3	20.6	20.7	20.5	20.4
2016	Poultry dressing plants	59.2	59.0	56.3	57.2	57.2
202	Dairy products	36.3	36.7	35.2	35.2	35.5
2026	Fluid milk	16.5	16.7	15.8	15.8	15.9
203	Preserved fruits and vegetables	86.1	83.8	79.7	82.7	79.8
2032	Canned specialties	8.6	8.3	8.7	8.2	7.8
2033	Canned fruits and vegetables	25.4	23.5	20.9	21.7	20.8
2037	Frozen fruits and vegetables	19.7	20.2	18.3	20.6	18.8
204	Grain mill products	29.0	28.3	28.9	28.8	28.3
205	Bakery products	57.2	57.1	56.9	57.3	57.4
2051	Bread, cake, and related products	37.5	37.7	37.4	37.8	38.2
2052	Cookies and crackers	19.7	19.4	19.5	19.5	19.2
206	Sugar and confectionery products	38.5	38.5	43.4	41.0	37.3
207	Fats and oils	5.7	5.7	5.8	5.9	5.7
208	Beverages	40.6	41.4	42.4	42.5	43.1
2082	Malt beverages	7.2	7.4	8.1	8.1	8.2
2086	Bottled and canned soft drinks	18.1	18.6	19.1	19.4	19.6
209	Misc. foods and kindred products	65.6	67.1	65.0	65.3	61.9
TOBACCO MANUFACTURES						
21	Cigarettes	24.2	23.2	24.1	22.5	21.0
211	Cigarettes	15.1	14.9	14.3	14.1	13.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
22	TEXTILE MILL PRODUCTS	390.1	392.2	367.0	360.5	366.7
221	Weaving mills, cotton	62.3	61.6	58.9	56.4	57.0
222	Weaving mills, synthetics	46.5	46.5	43.4	41.2	42.8
223	Weaving and finishing mills, wool	7.3	7.4	7.1	7.0	6.9
224	Narrow fabric mills	14.0	14.3	13.5	13.6	13.8
225	Knitting mills	137.6	139.7	128.9	128.9	130.8
2251	Women's hosiery, except socks	24.3	24.5	24.7	24.2	23.1
2252	Hosiery, nec	23.2	23.4	22.9	22.7	22.1
2253	Knit outerwear mills	47.7	49.4	44.3	45.2	48.1
2254	Knit underwear mills	22.9	22.8	20.3	20.0	20.2
2257	Circular knit fabric mills	11.6	11.6	9.6	9.7	10.0
226	Textile finishing, except wool	21.5	21.5	20.1	20.5	20.3
2261	Finishing plants, cotton	9.7	9.5	9.3	9.6	9.3
2262	Finishing plants, synthetic	5.9	6.1	5.6	5.6	5.6
227	Floor covering mills	21.9	22.0	20.4	20.4	20.9
228	Yarn and thread mills	59.7	59.8	56.1	54.2	56.3
2281	Yarn mills, except wool	38.2	38.3	36.2	35.4	36.7
2282	Throwing and winding mills	11.9	11.7	10.6	10.5	10.5
229	Miscellaneous textile goods	19.3	19.4	18.6	18.3	17.9
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,004.4	1,008.2	967.6	958.5	942.8
231	Men's and boys' suits and coats	58.1	58.2	59.5	58.6	58.0
232	Men's and boys' furnishings	289.5	294.8	282.4	278.3	275.3
2321	Men's and boys' shirts and nightwear	83.2	84.5	81.3	80.2	80.8
2327	Men's and boys' separate trousers	59.6	60.3	59.5	58.2	57.0
2328	Men's and boys' work clothing	81.1	83.7	80.6	78.7	77.3
233	Women's and misses' outerwear	355.1	353.2	334.3	333.2	322.4
2331	Women's and misses' blouses and waists	56.5	56.2	52.9	52.7	52.2
2335	Women's and misses' dresses	125.2	123.4	116.1	117.9	115.2
2337	Women's and misses' suits and coats	48.8	46.9	45.5	42.6	38.4
2339	Women's and misses' outerwear, nec	124.6	126.7	119.8	120.0	116.6
234	Women's and children's undergarments	76.7	77.3	76.6	76.0	75.8
2341	Women's and children's underwear	61.9	62.6	62.4	61.9	62.0
2342	Brassieres and allied garments	14.8	14.7	14.2	14.1	13.8
236	Children's outerwear	54.8	54.2	53.6	52.7	51.7
2361	Children's dresses and blouses	24.0	23.3	24.2	23.2	22.4
238	Misc. apparel and accessories	43.6	43.8	41.1	40.5	40.6
239	Misc. fabricated textile products	110.7	110.8	104.6	103.7	103.7
2391	Curtains and draperies	20.2	20.4	20.0	18.8	18.4
2392	House furnishings, nec	29.9	29.8	29.3	29.2	29.8
2396	Automotive and apparel trimmings	16.0	15.9	12.6	13.0	13.0
26	PAPER AND ALLIED PRODUCTS	158.7	160.0	154.7	154.3	154.0
261, 2,6	Paper and pulp mills	27.2	27.4	26.9	26.6	26.8
262	Paper mills, except building paper	24.3	24.5	24.2	24.1	24.2
263	Paperboard mills	5.9	5.8	5.7	5.7	5.6
264	Misc. converted paper products	77.3	78.1	76.8	76.9	76.5
265	Paperboard containers and boxes	48.3	48.7	45.3	45.1	45.1
27	PRINTING AND PUBLISHING	502.5	504.1	517.2	519.5	518.3
271	Newspapers	157.7	157.8	165.2	164.9	164.6
272	Periodicals	56.5	55.8	59.6	59.6	59.3
273	Books	55.2	55.7	54.3	54.7	54.8
274	Miscellaneous publishing	26.8	27.2	27.4	27.5	27.5
275	Commercial printing	131.8	132.7	134.5	135.8	135.0
2751	Commercial printing, letterpress	51.8	52.3	51.9	52.3	51.9
2752	Commercial printing, lithographic	73.7	73.9	76.0	76.8	76.3
276	Manifold business forms	15.4	15.5	16.1	16.1	15.7
278	Blankbooks and bookbinding	33.5	33.8	33.7	34.2	34.0
279	Printing trade services	11.2	11.3	12.1	12.3	12.6
28	CHEMICALS AND ALLIED PRODUCTS	283.5	281.8	281.4	282.2	280.3
281	Industrial inorganic chemicals	24.0	23.9	24.0	24.1	24.1
2819	Industrial inorganic chemicals, nec	16.2	16.2	16.0	16.1	16.1
282	Plastics materials and synthetics	42.7	42.6	42.2	41.6	41.3
2821	Plastics materials and resins	11.2	11.2	11.4	11.3	11.1
2824	Organic fibers, noncellulosic	22.1	22.0	22.3	22.0	21.9
283	Drugs	84.6	84.7	85.5	86.0	85.7
2834	Pharmaceutical preparations	71.3	71.4	72.1	72.4	72.1
284	Soap, cleaners, and toilet goods	60.6	59.0	57.7	58.4	57.3
2841	Soap and other detergents	10.1	9.8	9.7	9.8	9.6
2844	Toilet preparations	37.7	36.6	35.6	36.3	35.7
285	Paints and allied products	12.2	12.2	11.7	11.5	11.5
286	Industrial organic chemicals	27.4	27.2	28.6	28.5	28.2
2861,9	Gum, wood, and industrial organic chemicals, nec	22.6	22.5	24.0	23.9	23.7
287	Agricultural chemicals	10.6	10.7	10.7	10.9	10.9
289	Miscellaneous chemical products	21.4	21.5	21.0	21.2	21.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
29	PETROLEUM AND COAL PRODUCTS	29.8	30.2	31.6	31.6	31.6
291	Petroleum refining	24.8	25.1	26.7	26.6	26.7
30	RUBBER AND MISC. PLASTICS PRODUCTS	254.7	258.1	244.2	243.3	244.1
301	Tires and inner tubes	10.2	10.3	9.5	8.9	9.3
302	Rubber and plastics footwear	13.8	13.9	12.2	12.9	12.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.9	6.0	5.0	4.9	5.1
306	Fabricated rubber products, nec	35.5	36.0	33.7	33.3	33.5
307	Miscellaneous plastics products	189.3	191.9	183.8	183.3	183.3
31	LEATHER AND LEATHER PRODUCTS	137.7	138.5	126.2	125.9	126.9
311	Leather tanning and finishing	2.9	3.0	2.6	2.8	2.8
314	Footwear, except rubber	93.4	93.9	85.3	85.4	85.9
3143	Men's footwear, except athletic	35.6	35.9	32.8	32.8	32.2
3144	Women's footwear, except athletic	35.7	35.5	32.2	31.4	32.6
316	Luggage	8.0	8.1	7.5	7.4	7.3
317	Handbags and personal leather goods	20.3	20.4	18.1	17.9	18.1
-	TRANSPORTATION AND PUBLIC UTILITIES	1,321	1,324	1,334	1,335	1,335
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	72.6	71.5	80.5	81.5	78.1
411	Local and suburban transportation	15.0	15.0	16.5	16.5	16.7
412	Taxicabs	6.9	6.8	6.7	6.8	6.7
413	Intercity highway transportation	4.8	4.8	4.6	4.7	4.7
415	School buses	42.8	41.7	49.5	50.2	46.6
42	TRUCKING AND WAREHOUSING	150.9	150.8	153.6	152.7	151.7
421,3	Trucking and trucking terminals	135.4	135.6	136.5	135.5	135.1
422	Public warehousing	15.5	15.2	17.1	17.2	16.6
44	WATER TRANSPORTATION	22.2	22.7	24.3	24.8	25.0
45	TRANSPORTATION BY AIR	147.8	148.6	143.9	143.3	144.4
451,2	Air transportation	139.2	140.0	134.6	133.9	134.9
46	PIPE LINES, EXCEPT NATURAL GAS	3.0	3.0	3.4	3.4	3.3
47	TRANSPORTATION SERVICES	96.3	97.3	109.0	111.0	112.2
48	COMMUNICATION	640.2	642.6	628.0	626.5	627.8
481	Telephone communication	549.8	550.8	527.1	525.0	525.4
483	Radio and television broadcasting	65.4	66.3	71.0	71.3	71.5
49	ELECTRIC, GAS, AND SANITARY SERVICES	158.7	159.9	167.8	168.2	168.8
491	Electric services	74.8	75.4	79.2	79.6	79.8
492	Gas production and distribution	37.1	37.5	39.4	39.4	39.6
493	Combination utility services	35.8	36.1	37.1	37.1	37.3
495	Sanitary services	6.0	6.0	6.7	6.7	6.7
	WHOLESALE AND RETAIL TRADE	8,716	8,827	8,915	8,931	9,000
50,51	WHOLESALE TRADE	1,377	1,381	1,398	1,403	1,401
50	WHOLESALE TRADE-DURABLE GOODS	762	767	779	781	780
501	Motor vehicles and automotive equipment	87.0	87.3	89.0	89.7	90.7
502	Furniture and home furnishings	43.6	43.5	46.1	46.3	45.8
503	Lumber and construction materials	35.4	35.9	36.7	37.0	36.5
504	Sporting goods, toys, and hobby goods	23.7	23.9	23.8	24.0	24.1
505	Metals and minerals, except petroleum	29.3	29.4	29.1	28.9	28.2
506	Electrical goods	125.0	125.6	129.3	129.3	129.3
507	Hardware, plumbing, and heating equipment	64.8	65.6	65.3	65.2	64.7
508	Machinery, equipment, and supplies	305.7	307.3	313.2	314.4	314.8
509	Miscellaneous durable goods	47.7	48.4	46.2	46.4	46.2
51	WHOLESALE TRADE-NONDURABLE GOODS	615	614	619	622	621
511	Paper and paper products	47.9	48.6	49.8	49.9	50.2
512	Drugs, proprietaries, and sundries	65.0	65.3	66.3	66.7	67.1
513	Apparel, piece goods, and notions	82.3	81.8	82.1	82.5	83.8
514	Groceries and related products	152.6	153.5	148.5	147.7	149.1
516	Chemicals and allied products	35.5	35.9	37.6	37.6	37.7
517	Petroleum and petroleum products	54.0	54.2	55.0	55.4	55.3
518	Beer, wine, and distilled beverages	22.1	22.0	22.1	21.9	21.9
519	Miscellaneous nondurable goods	117.6	118.2	120.8	123.1	122.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
52-59	RETAIL TRADE	7,339	7,446	7,517	7,528	7,599
52	BUILDING MATERIALS AND GARDEN SUPPLIES	159.4	165.4	152.3	154.5	157.9
521	Lumber and other building materials	62.9	64.2	60.9	61.3	61.9
525	Hardware stores	54.6	54.8	54.3	54.0	54.5
53	GENERAL MERCHANDISE STORES	1,408.2	1,404.8	1,465.8	1,449.3	1,456.1
531	Department stores	1,157.7	1,148.2	1,211.9	1,197.7	1,200.8
533	Variety stores	173.6	178.5	169.9	167.7	170.2
539	Misc. general merchandise stores	76.9	78.1	84.0	83.9	85.1
54	FOOD STORES	1,025.8	1,030.5	1,055.1	1,051.1	1,054.5
541	Grocery stores	860.1	861.1	886.7	883.7	884.7
542	Meat markets and freezer provisioners	16.6	17.4	15.9	15.9	16.8
546	Retail bakeries	80.0	80.3	80.6	81.6	80.9
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	296.0	300.3	307.8	308.3	310.2
551,2	New and used car dealers	109.8	111.3	106.8	107.1	107.8
553	Auto and home supply stores	46.7	47.5	48.9	48.8	49.7
554	Gasoline service stations	124.4	125.8	137.9	137.1	137.5
56	APPAREL AND ACCESSORY STORES	653.0	666.7	655.8	656.3	662.4
561	Men's and boys' clothing and furnishings	54.4	56.0	56.7	54.6	55.3
562	Women's ready-to-wear stores	307.1	311.5	301.3	304.2	304.6
565	Family clothing stores	130.1	131.8	133.0	132.8	132.7
566	Shoe stores	83.3	88.5	85.2	84.0	89.6
57	FURNITURE AND HOME FURNISHING STORES	202.9	202.7	205.9	204.4	203.4
571	Furniture and home furnishings stores	134.7	134.9	135.3	134.4	134.8
572	Household appliance stores	22.3	22.0	23.4	23.4	22.9
573	Radio, television, and music stores	45.9	45.8	47.2	46.6	45.7
58	EATING AND DRINKING PLACES	2,562.4	2,636.3	2,592.6	2,630.8	2,678.7
59	MISCELLANEOUS RETAIL	1,030.8	1,038.8	1,081.8	1,072.8	1,075.7
591	Drug stores and proprietary stores	306.9	308.4	315.8	314.8	314.2
592	Liquor stores	32.5	33.8	36.2	36.3	35.9
594	Miscellaneous shopping goods stores	360.1	358.2	380.4	377.5	379.9
596	Nonstore retailers	159.5	157.9	165.9	166.8	165.0
598	Fuel and ice dealers	24.1	23.4	24.9	24.8	24.4
599	Retail stores, nec	127.2	135.7	137.7	131.8	135.5
-	FINANCE, INSURANCE, AND REAL ESTATE	3,126	3,137	3,178	3,187	3,188
60	BANKING	1,146.1	1,148.8	1,168.9	1,165.7	1,166.5
602	Commercial and stock savings banks	1,054.4	1,056.7	1,075.1	1,072.0	1,072.6
61	CREDIT AGENCIES OTHER THAN BANKS	399.9	400.6	404.6	406.7	406.2
612	Savings and loan associations	196.1	196.6	201.8	203.0	203.4
614	Personal credit institutions	131.8	132.1	129.1	129.3	128.5
62	SECURITY, COMMODITY BROKERS, AND SERVICES	105.5	106.7	119.1	120.5	120.7
621	Security brokers and dealers	65.9	66.9	99.0	100.3	100.4
63	INSURANCE CARRIERS	751.5	751.3	743.8	747.6	746.6
631	Life insurance	299.9	300.4	297.7	301.5	301.0
632	Medical service and health insurance	103.3	103.4	101.9	102.1	101.8
633	Fire, marine, and casualty insurance	258.0	257.3	296.6	296.8	296.3
64	INSURANCE AGENTS, BROKERS, AND SERVICE	289.9	291.8	298.2	299.7	300.1
65	REAL ESTATE	359.0	363.2	365.3	368.4	368.2
651	Real estate operators and lessors	143.0	145.0	148.4	151.3	153.9
653	Real estate agents and managers	168.7	169.7	170.8	170.4	167.9
655	Subdividers and developers	33.3	34.2	33.2	34.0	33.9
66	COMBINED REAL ESTATE, INSURANCE, ETC	12.1	11.9	11.7	11.8	11.8
67	HOLDING AND OTHER INVESTMENT OFFICES	62.2	62.9	66.2	66.5	67.7
-	SERVICES	10,850	10,926	11,144	11,216	11,274
70	HOTELS AND OTHER LODGING PLACES	574.9	597.7	567.6	576.6	593.6
701	Hotels, motels, and tourist courts	557.8	579.1	551.0	559.9	576.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982	Apr. 1982
72	PERSONAL SERVICES	647.7	654.1	646.7	654.7	657.1
721	Laundry, cleaning, and garment services	221.3	224.0	219.7	219.4	220.1
723	Beauty shops	249.7	250.5	257.9	260.5	263.8
726	Funeral service and crematories	18.7	18.6	19.9	20.3	20.4
73	BUSINESS SERVICES	1,380.1	1,393.7	1,431.0	1,433.4	1,424.8
731	Advertising	73.8	73.6	76.4	77.2	77.5
732	Credit reporting and collection	53.0	53.4	52.7	52.7	53.1
733	Mailing, reproduction, stenographic	62.4	61.8	65.0	65.0	66.2
734	Services to buildings	189.1	190.6	203.9	203.9	202.5
736	Personnel supply services	355.5	363.1	358.0	358.8	349.8
737	Computer and data processing services	154.7	155.0	168.6	169.7	170.6
75	AUTO REPAIR, SERVICES, AND GARAGES	95.9	96.3	95.6	97.1	98.1
753	Automotive repair shops	42.9	43.5	45.5	46.6	48.3
76	MISCELLANEOUS REPAIR SERVICES	58.3	57.8	59.2	59.4	59.1
78	MOTION PICTURES	84.9	83.9	77.3	79.7	81.7
781	Motion picture production and services	27.8	25.6	25.9	27.1	25.8
783	Motion picture theaters	51.1	52.1	45.1	46.3	49.7
79	AMUSEMENT AND RECREATION SERVICES	271.7	289.4	286.8	302.2	325.7
80	HEALTH SERVICES	4,447.8	4,460.3	4,635.9	4,646.6	4,661.9
801	Offices of physicians	599.4	603.2	626.3	628.5	636.0
802	Offices of dentists	303.3	305.3	322.7	323.2	324.7
805	Nursing and personal care facilities	900.1	901.8	927.5	929.9	932.2
806	Hospitals	2,310.8	2,314.2	2,409.6	2,413.2	2,414.0
81	LEGAL SERVICES	367.1	370.3	386.2	389.6	390.0
82	EDUCATIONAL SERVICES	663.7	657.2	671.1	678.5	676.6
821	Elementary and secondary schools	210.5	211.1	199.3	204.3	204.7
822	Colleges and universities	385.3	378.2	402.1	404.6	401.6
83	SOCIAL SERVICES	862.6	865.0	869.1	876.0	879.4
89	MISCELLANEOUS SERVICES	349.6	348.6	368.3	370.0	367.6
891	Engineering and architectural services	122.8	122.7	126.7	126.8	127.1
893	Accounting, auditing, and bookkeeping	164.3	164.0	178.3	180.3	178.4
-	GOVERNMENT	8,050	8,039	7,831	7,886	7,877
-	FEDERAL GOVERNMENT	876	878	872	874	878
-	STATE AND LOCAL GOVERNMENT	7,174	7,161	6,959	7,012	6,999
-	State government	1,707.5	1,706.2	1,681.9	1,682.9	1,677.3
-	Hospitals	326.7	327.0	325.1	323.2	322.1
-	State education	722.2	720.8	699.7	704.3	702.9
-	General administration including executive, legislative, and judicial functions	439.4	439.6	442.1	441.4	440.2
-	Local government	5,466.8	5,454.8	5,277.2	5,329.4	5,321.3
-	Transportation and public utilities	91.1	92.0	96.3	96.2	96.5
-	Hospitals	504.4	504.2	521.8	523.2	523.5
-	Local education	3,666.2	3,656.4	3,529.8	3,570.6	3,557.8
-	General administration including executive, legislative, and judicial functions	980.7	979.0	941.2	950.8	953.7

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

B-4. Employees on nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(In thousands)

Industry division and group	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May p	June p
TOTAL	91,286	91,396	91,322	91,363	91,224	90,996	90,642	90,460	90,459	90,304	90,083	90,151	90,010
GOODS-PRODUCING	25,656	25,718	25,637	25,583	25,393	25,176	24,908	24,684	24,631	24,450	24,289	24,262	24,053
MINING	1,137	1,164	1,180	1,192	1,195	1,202	1,206	1,201	1,203	1,197	1,182	1,154	1,130
CONSTRUCTION	4,185	4,175	4,146	4,124	4,101	4,071	4,026	3,966	3,974	3,934	3,938	3,994	3,952
MANUFACTURING	20,334	20,379	20,311	20,267	20,097	19,903	19,676	19,517	19,454	19,319	19,169	19,114	18,971
DURABLE GOODS	12,246	12,266	12,228	12,184	12,059	11,901	11,724	11,622	11,575	11,490	11,375	11,337	11,254
Lumber and wood products	685	683	671	661	643	628	615	607	611	607	615	618	623
Furniture and fixtures	474	476	475	473	469	462	457	452	449	446	443	443	445
Stone, clay, and glass products	644	644	643	638	629	620	610	596	596	590	584	587	581
Primary metal industries	1,137	1,132	1,134	1,125	1,104	1,082	1,053	1,038	1,024	1,007	976	946	934
Fabricated metal products	1,611	1,617	1,610	1,604	1,577	1,553	1,529	1,515	1,505	1,496	1,481	1,473	1,462
Machinery, except electrical	2,516	2,527	2,532	2,539	2,532	2,511	2,486	2,459	2,446	2,419	2,389	2,378	2,339
Electric and electronic equipment	2,104	2,112	2,116	2,113	2,101	2,077	2,049	2,055	2,048	2,038	2,034	2,033	2,029
Transportation equipment	1,938	1,925	1,901	1,884	1,861	1,830	1,791	1,777	1,778	1,774	1,748	1,756	1,747
Instruments and related products	726	731	734	734	731	727	725	720	718	716	713	714	708
Miscellaneous manufacturing ind.	411	419	412	413	412	411	409	403	400	397	392	389	386
NONDURABLE GOODS	8,088	8,113	8,083	8,083	8,038	8,002	7,952	7,895	7,879	7,829	7,794	7,777	7,717
Food and kindred products	1,673	1,678	1,659	1,658	1,662	1,664	1,661	1,657	1,663	1,658	1,643	1,649	1,634
Tobacco manufactures	71	70	70	69	69	69	68	68	68	68	67	67	67
Textile mill products	830	835	829	827	814	804	794	780	777	760	773	758	736
Apparel and other textile products	1,251	1,255	1,253	1,253	1,243	1,235	1,222	1,201	1,201	1,186	1,165	1,164	1,159
Paper and allied products	690	691	691	695	685	681	677	674	670	668	664	661	659
Printing and publishing	1,263	1,268	1,271	1,274	1,276	1,276	1,276	1,275	1,276	1,278	1,274	1,274	1,267
Chemicals and allied products	1,111	1,110	1,107	1,110	1,107	1,103	1,100	1,095	1,093	1,088	1,082	1,078	1,074
Petroleum and coal products	217	217	216	216	215	215	214	210	208	207	206	206	206
Rubber and misc. plastic products	747	750	752	746	734	725	716	712	708	703	706	708	704
Leather and leather products	235	239	235	235	233	230	224	222	215	213	214	212	211
SERVICE-PRODUCING	65,630	65,678	65,685	65,780	65,831	65,820	65,734	65,776	65,828	65,854	65,794	65,889	65,957
TRANSPORTATION AND PUBLIC UTILITIES	5,162	5,168	5,168	5,181	5,162	5,150	5,128	5,125	5,115	5,100	5,094	5,101	5,076
WHOLESALE AND RETAIL TRADE	20,590	20,620	20,650	20,660	20,654	20,623	20,524	20,630	20,670	20,655	20,584	20,658	20,643
WHOLESALE TRADE	5,366	5,375	5,387	5,383	5,380	5,375	5,357	5,346	5,343	5,336	5,323	5,326	5,302
RETAIL TRADE	15,224	15,245	15,263	15,277	15,274	15,248	15,167	15,284	15,327	15,319	15,261	15,332	15,341
FINANCE, INSURANCE, AND REAL ESTATE	5,302	5,311	5,319	5,328	5,325	5,324	5,331	5,326	5,326	5,336	5,335	5,340	5,349
SERVICES	18,556	18,615	18,654	18,707	18,773	18,815	18,834	18,831	18,867	18,904	18,929	18,948	18,972
GOVERNMENT	16,020	15,964	15,894	15,904	15,917	15,908	15,917	15,864	15,850	15,859	15,852	15,842	15,917
FEDERAL	2,777	2,775	2,769	2,764	2,757	2,749	2,756	2,741	2,737	2,736	2,730	2,734	2,724
STATE AND LOCAL	13,243	13,189	13,125	13,140	13,160	13,159	13,161	13,123	13,113	13,123	13,122	13,108	13,193

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-5. Women employees on nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL	38,908	38,971	39,039	39,181	39,199	39,187	39,198	39,139	39,098	39,089	39,147	39,150	39,093
GOODS-PRODUCING	6,842	6,871	6,890	6,938	6,927	6,909	6,871	6,814	6,759	6,712	6,692	6,650	6,601
MINING	118	121	128	131	133	135	137	138	141	140	141	142	143
CONSTRUCTION	380	380	381	383	383	382	381	381	381	384	382	382	384
MANUFACTURING	6,344	6,370	6,381	6,424	6,411	6,392	6,353	6,295	6,237	6,188	6,169	6,126	6,074
DURABLE GOODS	3,037	3,055	3,066	3,087	3,087	3,074	3,050	3,008	2,972	2,957	2,942	2,922	2,894
Lumber and wood products	104	105	104	104	103	100	98	95	94	93	92	91	91
Furnitures and fixtures	141	142	143	145	144	142	142	139	137	136	135	135	133
Stone, clay, and glass products	125	126	127	127	128	126	126	123	122	120	120	119	117
Primary metal industries	126	127	127	126	126	125	122	119	116	113	112	110	107
Fabricated metal products	339	341	342	344	342	340	333	326	320	317	315	313	309
Machinery, except electrical	501	506	512	514	519	520	520	517	511	507	505	503	500
Electric and electronic equipment	895	898	899	904	905	905	898	884	874	880	876	870	867
Transportation equipment	307	309	312	314	314	312	308	304	298	296	295	293	287
Instruments and related products	308	309	308	311	313	312	311	310	309	307	306	304	303
Miscellaneous manufacturing ind.	191	192	192	198	193	192	192	191	191	188	186	184	180
NONDURABLE GOODS	3,307	3,315	3,315	3,337	3,324	3,318	3,303	3,287	3,265	3,231	3,227	3,204	3,180
Food and kindred products	506	506	500	503	497	492	499	501	500	496	499	499	491
Tobacco manufactures	26	26	26	26	26	25	25	25	25	25	24	24	24
Textile mill products	393	393	394	398	394	394	388	383	378	370	368	362	367
Apparel and other textile products	1,004	1,007	1,010	1,014	1,012	1,012	1,004	998	988	971	971	958	939
Paper and allied products	161	161	160	162	162	163	160	158	158	157	157	156	155
Printing and publishing	504	505	505	508	510	512	513	513	515	516	518	518	518
Chemicals and allied products	284	284	285	285	284	285	285	285	285	284	284	283	282
Petroleum and coal products	31	31	31	31	31	32	32	32	32	32	33	33	32
Rubber and misc. plastics products	259	262	264	267	267	263	258	254	250	247	245	244	245
Leather and leather products	139	140	140	143	141	140	139	138	134	133	128	127	127
SERVICE-PRODUCING	32,066	32,100	32,149	32,243	32,272	32,278	32,327	32,325	32,339	32,377	32,455	32,500	32,492
TRANSPORTATION AND PUBLIC UTILITIES	1,330	1,333	1,339	1,342	1,348	1,355	1,355	1,351	1,358	1,338	1,339	1,339	1,342
WHOLESALE AND RETAIL TRADE	8,941	8,951	8,984	9,021	9,043	9,057	9,066	9,049	9,022	9,084	9,129	9,130	9,118
WHOLESALE TRADE	1,390	1,392	1,393	1,396	1,403	1,406	1,407	1,412	1,408	1,405	1,408	1,409	1,411
RETAIL TRADE	7,551	7,559	7,591	7,625	7,640	7,651	7,659	7,637	7,614	7,679	7,721	7,721	7,707
FINANCE, INSURANCE, AND REAL ESTATE	3,143	3,154	3,159	3,169	3,172	3,182	3,183	3,186	3,189	3,185	3,185	3,190	3,194
SERVICES	10,886	10,903	10,927	10,972	10,989	11,028	11,086	11,113	11,135	11,151	11,192	11,216	11,229
GOVERNMENT	7,766	7,759	7,740	7,739	7,720	7,656	7,637	7,626	7,635	7,619	7,610	7,625	7,609
FEDERAL	873	876	875	878	879	880	876	874	881	877	875	876	873
STATE AND LOCAL	6,893	6,883	6,865	6,861	6,841	6,776	6,761	6,752	6,754	6,742	6,735	6,749	6,736

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

B-6. Production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May P	June P
TOTAL PRIVATE	61,046	61,193	61,168	61,180	61,017	60,775	60,401	60,248	60,282	60,132	59,923	60,030	59,888
GOODS-PRODUCING	18,267	18,313	18,224	18,164	17,972	17,754	17,478	17,251	17,225	17,073	16,922	16,932	16,789
MINING	837	856	869	876	877	882	883	875	876	871	863	840	812
CONSTRUCTION	3,253	3,245	3,219	3,201	3,180	3,155	3,107	3,035	3,059	3,023	3,017	3,078	3,043
MANUFACTURING	14,177	14,212	14,136	14,087	13,915	13,717	13,488	13,341	13,290	13,179	13,042	13,014	12,934
DURABLE GOODS	8,427	8,439	8,389	8,345	8,218	8,061	7,885	7,793	7,759	7,685	7,576	7,557	7,518
Lumber and wood products	572	570	558	549	531	516	503	497	502	497	507	508	515
Furniture and fixtures	383	385	383	381	376	369	364	359	356	353	350	350	352
Stone, clay, and glass products	497	496	496	492	484	475	465	452	452	446	441	444	440
Primary metal industries	876	872	871	865	843	821	795	780	770	756	727	703	696
Fabricated metal products	1,190	1,196	1,188	1,182	1,156	1,133	1,110	1,096	1,089	1,081	1,069	1,064	1,056
Machinery, except electrical	1,596	1,601	1,607	1,606	1,598	1,576	1,552	1,526	1,514	1,490	1,460	1,454	1,425
Electric and electronic equipment	1,325	1,331	1,331	1,327	1,314	1,285	1,257	1,266	1,258	1,248	1,241	1,239	1,241
Transportation equipment	1,255	1,244	1,219	1,206	1,184	1,159	1,115	1,102	1,108	1,109	1,086	1,100	1,100
Instruments and related products	429	432	431	431	428	424	423	420	418	415	411	412	412
Miscellaneous manufacturing ind.	304	312	305	306	304	303	301	295	292	290	284	283	281
NONDURABLE GOODS	5,750	5,773	5,747	5,742	5,697	5,656	5,603	5,548	5,531	5,494	5,466	5,457	5,416
Food and kindred products	1,148	1,154	1,139	1,137	1,142	1,144	1,140	1,135	1,142	1,138	1,125	1,130	1,118
Tobacco manufactures	55	55	55	54	54	54	53	54	53	53	52	52	52
Textile mill products	719	724	718	717	704	693	683	670	667	651	662	650	631
Apparel and other textile products	1,066	1,069	1,066	1,066	1,056	1,049	1,036	1,018	1,018	1,006	987	985	982
Paper and allied products	520	521	520	525	515	511	506	504	501	499	496	494	490
Printing and publishing	697	698	699	701	702	700	700	699	699	701	698	699	696
Chemicals and allied products	631	630	630	629	625	621	616	612	609	609	602	601	601
Petroleum and coal products	136	136	134	134	133	132	131	125	124	124	123	124	126
Rubber and misc. plastics products	580	584	586	580	568	557	548	544	538	534	541	544	543
Leather and leather products	198	202	200	199	198	195	190	187	180	179	180	178	177
SERVICE-PRODUCING	42,779	42,880	42,944	43,016	43,045	43,021	42,923	42,997	43,057	43,059	43,001	43,098	43,099
TRANSPORTATION AND PUBLIC UTILITIES	4,282	4,285	4,285	4,295	4,275	4,261	4,241	4,241	4,232	4,217	4,209	4,215	4,192
WHOLESALE AND RETAIL TRADE	17,981	18,026	18,049	18,059	18,053	18,016	17,920	18,011	18,061	18,051	17,996	18,069	18,066
WHOLESALE TRADE	4,366	4,376	4,381	4,376	4,373	4,367	4,348	4,332	4,327	4,317	4,301	4,306	4,285
RETAIL TRADE	13,615	13,650	13,668	13,683	13,680	13,649	13,572	13,679	13,734	13,734	13,695	13,763	13,781
FINANCE, INSURANCE, AND REAL ESTATE	4,005	4,010	4,018	4,023	4,019	4,013	4,014	4,007	4,003	4,004	3,999	3,998	4,012
SERVICES	16,511	16,559	16,592	16,639	16,698	16,731	16,748	16,738	16,761	16,787	16,797	16,816	16,829

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1979				
January.....	64.2	68.5	72.3	73.7
February.....	61.6	68.3	71.0	70.4
March.....	65.6	65.1	68.8	69.1
April.....	51.6	65.9	63.7	65.6
May.....	61.8	62.1	59.4	59.7
June.....	62.4	63.4	53.5	57.3
July.....	54.3	53.2	58.1	57.5
August.....	53.5	48.4	49.2	55.9
September.....	48.9	53.8	49.7	52.2
October.....	61.8	51.6	51.6	46.0
November.....	50.3	54.0	51.6	39.8
December.....	51.1	51.1	47.6	35.5
1980				
January.....	53.8	50.0	39.8	30.9
February.....	48.9	47.0	34.1	32.3
March.....	49.2	35.2	29.3	32.8
April.....	29.0	28.8	23.1	33.9
May.....	32.8	23.1	26.6	31.7
June.....	29.6	28.2	28.8	32.3
July.....	35.2	34.1	35.8	31.7
August.....	64.0	51.6	44.1	33.9
September.....	61.0	69.1	59.1	33.9
October.....	62.6	67.2	71.2	39.5
November.....	59.4	64.2	64.0	50.8
December.....	54.6	58.9	61.0	62.6
1981				
January.....	56.7	53.5	64.8	73.9
February.....	48.7	52.2	65.9	71.0
March.....	51.1	60.2	67.2	70.4
April.....	68.3	70.2	67.7	62.1
May.....	65.3	70.4	67.2	50.0
June.....	54.0	65.9	67.5	43.3
July.....	59.9	59.4	51.3	35.2
August.....	50.3	57.0	39.0	33.6
September.....	50.3	40.1	33.9	31.5
October.....	34.7	30.6	30.1	27.2
November.....	28.2	26.3	27.7	27.2p
December.....	31.2	23.4	24.2	23.1p
1982				
January.....	32.5	28.0	21.8	
February.....	42.5	31.2	26.1p	
March.....	35.8	33.6	28.2p	
April.....	40.9	36.6p		
May.....	50.8p	35.2p		
June.....	33.6p			
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

¹ Number of employees, seasonally adjusted, on payrolls of 186 private nonagricultural industries.
p = preliminary.

NOTE: Figures are the percent of industries with employment rising. (Half of the unchanged components are counted as rising.)

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by industry division

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
1 ALABAMA	1,347.8	1,338.2	1,337.1	8.0	16.6	16.4	67.0	64.2	64.0	365.5	347.2	345.6
2 Birmingham	339.4	341.8	341.1	3.3	8.7	8.7	19.5	18.4	18.7	60.9	56.4	55.2
3 Huntsville	122.0	124.6	125.2	(1)	(1)	(1)	4.0	3.8	3.9	36.0	37.2	37.5
4 Mobile	154.3	148.6	(*)	(1)	(1)	(*)	11.7	9.2	(*)	31.0	29.0	(*)
5 Montgomery	107.8	104.8	104.8	(1)	(1)	(1)	6.2	5.5	5.5	16.8	15.4	15.3
6 Tuscaloosa	49.3	50.3	50.3	.8	2.7	2.7	2.5	2.0	2.0	8.0	7.7	7.8
7 ALASKA	176.7	180.9	186.2	8.2	7.9	7.9	10.9	12.8	14.4	12.6	9.0	10.1
8 ARIZONA	1,044.8	1,049.4	1,035.4	25.0	21.8	18.8	72.6	62.2	62.2	159.9	154.5	153.0
9 Phoenix	656.8	663.6	659.1	.4	.4	.4	49.4	42.7	42.5	117.2	111.8	111.0
10 Tucson	190.6	192.8	191.0	7.7	6.0	5.3	13.2	11.0	11.1	23.4	25.4	25.4
11 ARKANSAS	750.0	726.6	728.3	5.8	6.3	6.1	35.7	29.5	30.5	212.3	198.2	197.0
12 Fayetteville—Springdale	66.4	65.6	65.6	(1)	(1)	(1)	2.7	2.5	2.6	20.5	18.9	18.8
13 Fort Smith	71.2	65.4	65.3	1.1	1.2	1.2	2.8	2.1	2.2	23.4	20.1	20.3
14 Little Rock—North Little Rock	179.7	177.1	178.0	(1)	(1)	(1)	8.9	8.7	9.2	29.4	27.4	26.9
15 Pine Bluff	31.6	31.1	30.7	(1)	(1)	(1)	2.2	1.7	1.8	6.3	5.9	5.5
16 CALIFORNIA	10,046.1	10,020.2	10,026.9	48.1	48.6	48.6	438.1	377.6	379.1	2,019.3	1,943.6	1,936.9
17 Anaheim—Santa Ana—Garden Grove	869.9	867.4	867.9	2.7	3.1	3.0	50.8	44.0	43.7	224.2	219.5	219.1
18 Bakersfield	136.1	135.5	135.5	14.0	14.2	14.2	7.0	6.2	6.1	10.1	9.7	9.9
19 Fresno	185.1	182.7	183.1	1.0	1.0	1.1	10.1	9.4	9.4	22.8	22.1	21.9
20 Los Angeles—Long Beach	3,667.9	3,604.9	3,610.0	14.0	14.3	14.3	124.2	104.2	104.3	921.4	875.3	869.7
21 Modesto	87.2	88.1	87.6	.1	.1	.1	5.3	4.9	4.8	17.8	18.6	18.3
22 Oxnard—Simi Valley—Ventura	159.0	162.0	162.6	2.9	3.0	3.0	7.3	6.6	6.6	25.1	25.9	25.9
23 Riverside—San Bernardino—Ontario	439.9	441.4	441.3	2.2	1.9	1.8	24.0	21.4	21.4	61.6	61.8	61.5
24 Sacramento	408.5	405.1	407.2	.6	.7	.7	18.6	15.6	16.7	27.6	26.2	26.6
25 Salinas—Seaside—Monterey	90.2	90.0	91.1	.4	.4	.4	3.3	3.4	3.4	9.3	8.8	9.5
26 San Diego	665.1	661.7	662.4	.6	.6	.6	35.6	31.1	30.8	108.7	106.5	106.8
27 San Francisco—Oakland	1,583.3	1,577.5	1,580.0	3.9	4.4	4.4	76.2	71.6	72.5	201.0	192.7	192.4
28 San Jose	691.4	697.2	700.5	.1	.1	.1	25.1	21.2	22.2	243.7	248.7	249.9
29 Santa Barbara—Santa Maria—Lompoc	124.5	124.6	125.0	1.6	1.5	1.5	5.0	4.5	4.6	18.2	18.0	18.3
30 Santa Rosa	96.6	95.3	96.5	.5	.4	.4	5.9	4.4	4.8	15.0	15.5	15.8
31 Stockton	122.7	118.4	120.4	.1	.1	.1	5.8	5.3	5.7	21.6	19.9	20.2
32 Vallejo—Fairfield—Napa	102.8	102.7	103.0	.5	.5	.5	5.3	4.7	4.7	10.8	10.9	10.9
33 COLORADO	1,265.5	1,287.0	1,285.2	41.4	42.3	41.4	61.7	74.0	72.9	183.1	180.3	179.7
34 Denver—Boulder	810.6	826.4	828.3	24.9	27.6	27.4	35.5	44.2	44.4	127.6	126.6	126.1
35 CONNECTICUT	1,450.3	1,417.7	1,425.2	(2)	(2)	(2)	51.6	47.6	51.2	441.0	417.7	414.6
36 Bridgeport	170.3	168.0	168.1	(2)	(2)	(2)	4.5	4.2	4.4	64.8	63.4	63.0
37 Hartford	400.9	396.2	397.4	(2)	(2)	(2)	12.6	11.3	12.3	99.0	91.2	90.7
38 New Britain	63.7	61.7	62.0	(2)	(2)	(2)	2.3	2.2	2.4	29.4	27.1	27.0
39 New Haven—West Haven	190.5	187.0	189.3	(2)	(2)	(2)	6.3	5.9	6.4	42.7	39.8	40.1
40 Stamford	112.3	112.6	113.1	(2)	(2)	(2)	5.5	5.8	5.9	32.3	31.5	31.2
41 Waterbury	88.0	87.2	87.7	(2)	(2)	(2)	2.9	2.8	3.0	31.9	30.8	30.7
42 DELAWARE	260.0	256.1	258.3	(1)	(1)	(1)	12.8	14.0	14.6	71.7	69.3	68.7
43 Wilmington	230.2	225.9	226.9	(1)	(1)	(1)	13.4	14.2	14.8	65.6	63.0	62.7
44 DISTRICT OF COLUMBIA	610.2	602.1	601.4	(1)	(1)	(1)	11.7	11.6	11.7	15.0	14.3	14.7
45 Washington SMSA	1,607.9	1,583.4	1,590.2	(1)	(1)	(1)	78.4	66.3	68.3	58.5	59.6	60.1
46 FLORIDA	3,725.2	3,815.2	3,789.1	11.3	10.2	10.1	281.5	256.4	256.8	466.6	459.6	456.3
47 Daytona Beach	81.7	81.0	80.2	-	-	-	5.3	4.4	4.3	8.7	8.3	8.4
48 Fort Lauderdale—Hollywood	364.8	355.4	352.3	(1)	(1)	(1)	31.8	25.2	25.3	41.8	40.5	39.9
49 Fort Myers—Cape Coral	71.5	72.4	72.3	(1)	(1)	(1)	8.9	8.1	8.0	3.8	4.2	4.4
50 Gainesville	68.4	69.9	68.4	(1)	(1)	(1)	3.2	3.0	2.9	4.4	4.4	4.4
51 Jacksonville	300.5	301.3	302.1	(1)	(1)	(1)	18.0	17.7	17.7	33.6	33.2	33.5
52 Lakeland—Winter Haven	125.0	118.5	115.4	6.2	4.8	3.8	10.2	9.0	8.8	23.2	20.3	19.3
53 Melbourne—Titusville—Cocoa	106.4	105.5	105.2	(1)	(1)	(1)	6.6	5.8	5.6	23.5	24.0	24.2
54 Miami	750.7	729.8	727.3	(1)	(1)	(1)	41.2	34.6	34.6	100.1	97.6	97.5
55 Orlando	301.6	301.7	300.8	(1)	(1)	(1)	21.9	18.9	19.2	38.0	37.6	37.6
56 Pensacola	100.9	100.3	100.2	(1)	(1)	(1)	7.5	6.4	6.4	12.7	12.1	12.2
57 Sarasota	73.8	74.7	73.5	(1)	(1)	(1)	8.0	7.0	6.7	6.3	6.1	6.0
58 Tallahassee	77.6	74.6	74.2	(1)	(1)	(1)	3.9	3.5	3.6	2.9	2.9	2.9
59 Tampa—St. Petersburg	574.5	574.0	564.8	(1)	(1)	(1)	43.1	38.0	38.0	79.6	77.5	76.9
60 West Palm Beach—Boca Raton	218.3	224.7	219.1	(1)	(1)	(1)	20.9	17.9	18.1	28.2	28.3	28.2

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls 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			
MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	
71.7	70.7	71.0	271.2	272.8	272.9	59.4	59.0	59.0	210.0	212.8	212.8	295.0	294.9	295.4	1
29.3	29.8	29.8	81.2	80.9	81.2	23.0	22.9	22.9	68.7	70.3	70.3	53.5	54.4	54.3	2
2.7	2.6	2.6	21.7	22.4	22.5	3.6	3.5	3.5	18.8	19.6	19.8	35.2	35.5	35.4	3
10.8	10.3	(*)	37.0	35.7	(*)	7.2	7.3	(*)	29.6	30.4	(*)	27.0	26.7	(*)	4
4.5	4.4	4.4	23.6	23.0	23.1	6.3	6.3	6.3	20.9	20.8	20.8	29.5	29.4	29.4	5
1.7	1.7	1.7	9.8	9.7	9.6	1.7	1.6	1.6	6.3	6.5	6.5	18.5	18.4	18.4	6
18.4	17.5	18.2	30.5	31.9	33.3	8.5	8.9	9.1	30.9	32.4	32.9	57.0	60.5	60.3	7
53.8	55.2	55.1	252.2	261.6	259.7	60.6	62.0	61.8	216.2	224.1	222.5	204.5	208.0	206.3	8
32.8	34.1	34.1	168.4	174.6	173.4	46.9	48.0	47.8	140.4	148.1	146.7	101.3	103.9	103.2	9
9.1	9.0	8.9	41.9	43.8	43.3	8.7	8.8	8.8	40.9	43.0	42.3	45.7	45.8	45.9	10
43.4	42.7	43.1	160.8	160.5	161.4	31.9	32.6	32.8	117.4	116.3	117.5	142.7	140.5	139.9	11
4.0	4.0	4.1	15.9	16.6	16.6	2.3	2.3	2.3	9.3	9.6	9.7	11.7	11.7	11.5	12
3.7	3.3	3.3	14.5	14.0	14.0	2.6	2.6	2.6	12.6	12.0	12.0	10.5	10.1	10.0	13
13.8	13.1	13.2	42.0	41.1	41.4	12.7	12.8	12.8	35.4	36.3	36.8	37.5	37.7	37.7	14
3.9	3.8	3.7	6.3	6.2	6.3	1.3	1.3	1.4	5.1	5.3	5.4	6.5	6.9	6.6	15
554.2	549.2	549.6	2,294.9	2,325.9	2,335.4	643.3	657.7	656.9	2,242.0	2,330.6	2,334.1	1,806.2	1,787.0	1,786.3	16
29.2	29.6	29.5	208.6	215.0	215.8	61.5	62.4	62.2	183.1	186.5	187.4	109.8	107.3	107.2	17
7.8	7.7	7.7	34.7	34.2	34.2	5.2	5.3	5.3	24.8	25.2	25.3	32.5	33.0	32.9	18
10.9	10.6	10.7	47.7	47.6	48.0	11.6	11.7	11.8	37.9	38.1	37.8	43.1	42.2	42.4	19
201.1	195.5	196.7	814.0	819.8	829.8	239.7	241.8	242.4	858.4	883.0	882.0	495.1	471.0	470.8	20
3.8	3.7	3.7	21.1	21.3	21.4	3.6	3.6	3.6	17.6	18.1	18.3	17.9	17.8	17.4	21
6.8	7.1	7.3	38.0	39.7	40.0	8.3	8.5	8.5	32.0	32.7	32.8	38.6	38.5	38.5	22
25.9	25.9	25.9	108.2	109.6	109.9	19.8	20.0	20.0	94.5	97.3	96.9	103.7	103.5	103.9	23
22.4	22.4	22.3	93.9	94.0	94.0	22.3	22.5	22.5	78.5	78.8	78.5	144.6	144.9	145.9	24
5.3	5.0	5.0	23.1	23.3	23.7	4.4	4.3	4.3	20.1	20.1	20.3	24.3	24.7	24.5	25
29.6	29.4	29.5	150.6	151.1	151.5	40.8	41.3	41.2	154.4	158.9	159.5	144.8	142.8	142.5	26
130.7	128.0	127.8	358.9	360.8	362.1	149.9	152.6	152.5	369.3	378.9	379.9	293.4	288.5	288.4	27
22.4	22.2	22.3	128.2	132.4	132.7	28.7	28.5	28.4	160.0	162.5	163.3	83.2	81.6	81.6	28
5.4	5.3	5.3	29.2	29.5	29.6	5.9	6.0	6.0	33.8	34.9	35.0	25.4	24.9	24.7	29
5.0	4.9	4.9	23.2	23.5	23.7	6.0	6.0	6.0	20.4	20.3	20.4	20.6	20.3	20.5	30
8.4	7.8	7.9	28.6	27.0	27.7	5.3	5.4	5.4	24.9	25.3	25.5	28.0	27.6	27.9	31
4.9	4.5	4.6	22.4	22.8	22.9	3.5	3.4	3.4	20.3	20.4	20.6	35.1	35.5	35.4	32
80.8	80.3	80.3	308.4	312.3	313.4	79.0	81.1	81.4	261.6	272.4	271.4	249.4	244.3	244.8	33
56.5	55.8	55.8	193.0	195.0	195.9	56.1	58.1	58.4	176.9	181.9	183.0	140.2	137.2	137.2	34
61.5	60.1	60.8	304.2	303.2	305.7	109.4	114.3	114.4	291.8	293.0	297.6	190.8	181.8	180.9	35
6.1	6.0	6.1	34.7	34.9	34.9	7.7	7.7	7.7	35.4	34.7	34.9	17.1	17.1	17.1	36
14.3	14.5	14.6	83.9	84.7	85.1	61.2	63.0	63.0	76.1	77.5	77.7	53.8	54.0	54.0	37
3.2	3.3	3.3	10.5	10.4	10.5	1.9	1.9	1.9	9.8	10.1	10.3	6.6	6.7	6.6	38
15.8	15.8	15.8	40.2	40.1	40.4	11.1	11.3	11.4	49.7	49.7	50.5	25.1	24.4	24.7	39
4.6	4.7	4.6	25.5	26.0	26.3	8.3	8.5	8.6	25.9	25.8	26.2	10.2	10.3	10.3	40
3.1	3.1	3.1	15.7	15.8	15.9	3.8	3.9	3.9	19.1	19.4	19.6	11.5	11.4	11.5	41
12.3	11.9	12.0	56.6	54.9	56.0	12.7	12.8	12.9	48.7	48.7	49.3	45.1	44.4	44.6	42
11.9	11.5	11.7	47.5	46.0	46.3	11.9	12.0	12.1	43.7	43.7	43.8	36.2	35.4	35.4	43
26.4	26.1	26.2	63.6	63.4	63.8	34.5	33.7	33.7	186.1	187.3	185.7	272.9	265.7	265.6	44
72.4	72.6	72.8	308.2	312.6	315.0	92.0	91.4	91.7	447.3	450.0	451.7	551.1	530.9	530.6	45
227.5	230.8	228.7	981.4	1,035.2	1,030.1	272.0	282.3	280.8	856.8	917.6	908.7	628.1	623.1	617.6	46
3.3	3.2	3.2	23.0	23.6	23.4	4.6	4.7	4.7	22.1	21.8	21.3	14.7	15.0	14.9	47
17.6	17.6	17.5	107.3	104.7	103.3	31.7	32.4	31.9	86.6	86.2	85.6	48.0	48.8	48.8	48
4.2	4.4	4.4	20.8	20.3	20.3	6.4	6.7	6.7	16.0	16.9	16.7	11.4	11.8	11.8	49
1.6	1.7	1.7	14.1	14.7	14.5	3.0	3.2	3.1	14.1	14.0	13.8	28.0	28.9	28.0	50
24.5	25.0	25.0	78.0	77.7	77.9	28.3	28.2	28.0	63.6	65.0	65.5	54.5	54.5	54.5	51
5.4	5.2	5.2	31.3	29.8	29.3	6.8	7.1	7.0	24.1	24.5	24.2	17.8	17.8	17.8	52
4.7	4.6	4.5	22.8	22.2	22.1	4.3	4.2	4.2	25.7	26.3	26.0	18.8	18.4	18.6	53
74.2	71.4	70.9	198.1	193.0	191.9	57.9	56.7	56.5	182.4	179.7	179.3	96.8	96.8	96.6	54
15.0	15.8	15.7	81.3	81.3	80.8	20.4	20.5	20.3	82.0	82.5	82.5	43.0	45.1	44.7	55
4.9	4.9	4.9	24.1	24.7	24.6	4.4	4.5	4.5	20.9	21.7	21.7	26.4	26.0	25.9	56
3.2	3.3	3.2	22.0	23.0	22.3	6.0	6.1	6.1	18.6	18.8	18.8	9.7	10.4	10.4	57
3.0	3.1	3.1	15.1	15.4	15.5	3.5	3.6	3.6	14.0	13.6	14.0	35.2	32.5	31.5	58
31.9	32.8	32.8	158.9	160.7	159.1	41.3	42.5	40.4	138.0	137.8	132.6	81.7	84.7	85.0	59
9.2	9.9	10.0	56.7	60.9	57.6	18.2	19.0	18.5	53.6	56.6	54.7	31.5	32.1	32.0	60

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
1	GEORGIA	2,192.4	2,165.9	2,164.8	7.7	7.9	7.9	103.2	99.2	99.4	523.8	499.0	496.0
2	Albany	44.6	45.0	45.0	(1)	(1)	(1)	2.0	2.3	2.4	11.9	11.9	11.8
3	Atlanta	995.1	997.1	996.6	(1)	(1)	(1)	46.1	44.0	44.2	147.7	142.9	142.0
4	Augusta	121.9	122.6	122.6	(1)	(1)	(1)	5.7	4.9	5.1	35.4	34.4	34.4
5	Columbus	81.4	77.9	78.1	(1)	(1)	(1)	4.8	5.0	5.0	21.5	18.6	18.7
6	Macon	97.6	98.5	98.3	(1)	(1)	(1)	3.6	3.8	3.8	17.0	17.0	17.1
7	Savannah	86.7	89.9	89.0	(1)	(1)	(1)	4.7	4.6	4.4	16.7	16.2	16.0
8	HAWAII	406.7	403.3	402.7	-	-	-	22.7	19.6	19.2	23.5	22.4	22.9
9	Honolulu	335.1	330.8	330.6	-	-	-	18.3	15.9	15.5	17.2	16.2	16.8
10	IDAHO	327.8	315.7	317.1	4.7	3.4	3.3	16.0	15.0	15.8	52.7	47.0	47.4
11	Boise City	77.6	75.5	75.7	(1)	(1)	(1)	5.5	5.0	5.2	8.5	8.6	8.8
12	ILLINOIS	4,748.9	4,621.3	4,648.3	16.2	28.8	29.5	172.5	149.3	159.8	1,139.9	1,047.0	1,038.7
13	Bloomington—Normal	49.6	49.8	48.2	(2)	(2)	(2)	1.9	1.6	1.8	7.0	5.9	6.1
14	Champaign—Urbana—Rantoul	76.9	76.9	77.9	(2)	(2)	(2)	1.6	1.3	1.4	7.6	7.6	7.6
15	Chicago—Gary	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Chicago SMSA ¹	3,239.9	3,153.3	3,168.8	3.9	4.1	4.2	103.6	93.8	99.7	779.9	714.0	713.2
17	Deavenport—Rock Island—Moline	162.6	155.9	154.9	(2)	(2)	(2)	7.6	7.2	7.4	49.1	44.0	42.7
18	Decatur	55.9	54.9	54.3	(2)	(2)	(2)	2.2	2.1	2.2	20.3	19.6	18.8
19	Kankakee	33.9	32.4	32.7	(2)	(2)	(2)	1.8	1.5	1.6	9.4	8.1	8.2
20	Peoria	147.8	142.4	142.0	(2)	(2)	(2)	6.7	6.3	6.7	48.0	43.3	42.8
21	Rockford	117.3	109.0	105.5	(2)	(2)	(2)	3.7	3.0	3.4	49.8	42.8	38.8
22	Springfield	86.4	86.5	86.8	(2)	(2)	(2)	3.8	3.8	4.0	6.7	6.3	6.3
23	INDIANA	2,136.0	2,032.0	2,046.1	6.6	8.8	9.1	67.6	74.3	77.9	666.3	606.0	601.3
24	Anderson	46.9	41.9	43.4	(1)	(1)	(1)	1.1	1.0	1.1	20.5	16.5	17.6
25	Elkhart	68.8	65.9	66.4	-	-	-	2.2	1.8	1.9	35.0	33.6	33.9
26	Evansville	126.2	124.7	124.4	1.6	2.5	2.5	6.9	6.3	6.4	37.1	34.8	33.9
27	Fort Wayne	172.1	163.3	163.8	(1)	(1)	(1)	7.9	6.6	7.2	53.7	48.8	48.2
28	Gary—Hammond—East Chicago ²	252.4	237.6	235.9	(1)	(1)	(1)	14.8	13.1	13.4	92.5	81.7	79.2
29	Indianapolis	535.9	518.4	(*)	(1)	(1)	(*)	22.7	20.2	(*)	122.6	115.2	(*)
30	Lafayette—West Lafayette	56.6	57.3	55.7	(1)	(1)	(1)	2.6	2.2	2.3	11.2	10.6	10.5
31	Muncie	49.9	46.9	47.2	(1)	(1)	(1)	1.4	1.0	1.1	13.0	10.7	10.8
32	South Bend	107.4	103.6	104.3	(1)	(1)	(1)	4.5	3.4	3.6	30.6	29.7	29.9
33	Terre Haute	61.4	57.5	57.4	.4	1.4	1.4	3.4	2.5	2.5	15.4	13.3	13.7
34	IOWA	1,104.4	1,057.6	1,063.1	2.1	1.7	1.9	47.7	37.3	41.4	238.3	215.1	214.8
35	Cedar Rapids	82.4	77.2	77.3	(1)	(1)	(1)	3.5	2.8	2.9	26.2	23.5	23.3
36	Des Moines	177.5	171.1	171.6	(1)	(1)	(1)	6.6	5.0	5.2	23.5	21.0	20.6
37	Dubuque	42.0	39.1	39.1	(1)	(1)	(1)	1.3	1.0	1.1	14.4	12.1	11.8
38	Sioux City	49.3	48.1	48.8	(1)	(1)	(1)	1.8	1.4	1.7	9.1	8.4	8.6
39	Waterloo—Cedar Falls	65.3	61.4	60.3	(1)	(1)	(1)	2.0	1.9	2.1	23.0	20.1	18.8
40	KANSAS	958.0	939.6	939.5	19.0	19.7	19.3	43.0	38.8	38.8	189.7	175.2	173.0
41	Lawrence	28.6	28.5	28.4	(2)	(2)	(2)	.8	.7	.9	4.8	4.5	4.5
42	Topeka	86.3	84.3	84.0	.2	.2	.2	3.4	2.8	2.7	10.4	9.8	9.8
43	Wichita	209.5	199.4	197.9	3.4	3.8	3.8	9.7	8.9	9.0	64.6	56.9	55.1
44	KENTUCKY	1,201.4	1,166.9	1,171.6	40.1	55.0	54.0	52.2	45.6	45.5	277.0	249.4	253.8
45	Lexington—Fayette	143.4	144.1	143.4	(1)	(1)	(1)	6.3	4.5	4.8	29.3	28.0	27.7
46	Louisville	389.4	369.7	(*)	(1)	(1)	(*)	17.6	16.5	(*)	99.8	86.0	(*)
47	Owensboro	31.1	28.0	27.9	1.2	.8	.9	1.7	1.3	1.3	6.6	5.9	5.7
48	LOUISIANA	1,626.8	1,629.2	1,622.1	96.6	100.4	98.7	138.3	134.2	131.9	221.4	205.3	204.2
49	Alexandria	52.9	53.6	53.8	(1)	(1)	(1)	4.1	3.8	3.9	5.0	5.2	5.2
50	Baton Rouge	206.0	204.7	203.9	1.3	1.3	1.3	26.0	19.6	19.0	26.3	25.7	25.4
51	Lafayette	89.2	95.8	95.9	18.3	20.2	20.1	5.7	5.8	5.8	4.7	5.2	5.1
52	Lake Charles	71.1	67.2	65.3	2.4	2.5	2.4	10.7	7.5	5.8	13.5	11.6	11.4
53	Monroe	51.6	49.1	49.3	.6	.7	.7	3.5	2.9	3.0	8.2	7.1	7.1
54	New Orleans	519.2	514.9	513.4	19.6	21.6	21.7	30.8	30.3	30.1	53.2	49.0	48.5
55	Shreveport	151.2	150.7	150.7	7.4	6.8	6.6	8.3	7.9	7.8	27.4	27.8	27.6
56	MAINE	417.7	403.0	409.6	(1)	(1)	(1)	18.2	13.8	16.3	113.1	105.9	105.9
57	Lewiston—Auburn	34.8	33.4	33.7	(1)	(1)	(1)	1.2	1.1	1.2	11.9	10.8	10.8
58	Portland	91.6	94.2	95.0	(1)	(1)	(1)	4.1	3.6	4.1	17.7	17.3	17.4
59	MARYLAND	1,725.5	1,683.0	1,689.3	(1)	(1)	(1)	99.3	80.2	81.8	233.5	216.1	215.1
60	Baltimore SMSA	968.4	949.5	948.4	(1)	(1)	(1)	47.5	36.8	37.4	158.1	144.2	142.3
61	Baltimore City ⁴	455.3	440.9	439.1	(1)	(1)	(1)	17.0	14.3	14.0	66.4	59.9	59.7

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls 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			
MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	
144.3	142.3	142.0	501.4	497.4	498.2	113.5	115.1	115.4	359.0	365.3	366.2	439.5	439.6	439.8	1
2.4	2.2	2.2	9.3	9.5	9.5	1.9	2.0	2.0	6.3	6.3	6.3	10.8	10.7	10.7	2
89.4	89.0	89.2	269.9	273.5	273.8	67.5	68.0	68.1	208.6	215.8	216.1	165.8	163.8	163.1	3
4.4	4.5	4.5	22.2	23.2	23.2	4.4	4.5	4.6	18.0	18.6	18.3	31.8	32.6	32.5	4
3.3	3.2	3.1	15.7	15.5	15.6	5.4	5.5	5.5	11.4	11.3	11.4	19.2	18.8	18.9	5
4.5	4.5	4.4	19.9	20.2	20.0	6.1	6.2	6.2	17.0	17.0	17.0	29.4	29.8	29.8	6
8.3	8.9	8.6	21.4	22.1	21.9	4.1	4.1	4.1	15.5	16.6	16.5	15.9	17.5	17.5	7
31.6	30.5	30.4	105.5	104.6	104.6	32.2	32.2	32.2	100.8	102.0	101.4	90.4	92.0	92.0	8
26.4	25.5	25.3	87.5	86.6	86.6	27.6	27.7	27.8	81.2	80.5	80.2	76.9	78.4	78.4	9
19.8	19.2	19.5	79.2	78.2	78.6	23.3	23.0	23.2	59.9	59.0	58.6	72.2	70.9	70.7	10
5.1	4.9	4.8	19.4	18.9	18.8	8.2	7.7	7.7	14.3	14.3	14.3	16.6	16.1	16.1	11
286.8	272.6	273.2	1,095.2	1,067.5	1,075.7	316.2	315.2	315.7	956.6	965.1	972.5	765.5	775.8	783.2	12
3.1	3.2	3.1	12.2	11.9	11.9	7.6	7.8	7.8	8.4	8.4	8.5	9.4	11.0	9.0	13
2.6	2.5	2.5	19.3	19.0	19.1	2.5	2.4	2.5	11.6	11.7	11.9	31.7	32.4	32.9	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
198.3	191.6	192.4	762.7	746.8	751.1	244.2	242.0	242.0	696.6	705.0	709.7	450.7	456.0	456.5	16
6.9	6.8	6.7	41.0	39.5	39.6	7.1	7.2	7.1	24.7	25.1	25.1	26.2	26.1	26.3	17
5.2	5.2	5.1	11.5	11.4	11.5	2.7	2.7	2.7	8.6	8.6	8.6	5.4	5.3	5.4	18
1.4	1.4	1.4	6.8	6.8	6.8	1.1	1.1	1.1	6.4	6.5	6.5	7.0	7.0	7.1	19
8.1	7.9	7.9	34.9	34.0	34.0	7.1	7.1	7.0	25.5	26.2	25.9	17.5	17.6	17.7	20
4.4	4.4	4.4	24.2	23.7	23.9	4.2	4.3	4.3	18.5	18.6	18.5	12.5	12.2	12.2	21
4.7	4.7	4.7	18.7	18.4	18.5	6.8	6.7	6.7	17.6	17.9	18.0	28.1	28.7	28.6	22
105.2	97.5	99.0	471.8	455.7	463.3	101.2	98.8	99.6	343.6	344.2	348.3	353.7	346.6	347.5	23
1.3	1.2	1.2	9.4	8.8	9.0	1.6	1.6	1.6	7.3	7.3	7.4	5.7	5.5	5.5	24
2.2	2.0	2.0	13.1	12.6	12.7	2.1	2.1	2.1	9.0	8.9	8.9	5.2	4.9	4.9	25
7.0	7.1	7.1	30.8	31.3	31.5	4.6	4.6	4.6	25.4	25.5	25.7	12.8	12.6	12.7	26
10.9	10.3	10.3	41.8	40.7	41.1	10.6	10.5	10.5	29.0	28.6	28.7	18.2	17.8	17.8	27
14.7	13.7	13.7	51.5	50.5	50.8	9.2	9.0	9.0	37.6	38.1	38.2	32.1	31.5	31.6	28
31.2	29.8	(*)	132.6	129.8	(*)	38.7	38.0	(*)	98.1	98.7	(*)	90.0	86.7	(*)	29
1.5	1.4	1.4	11.0	11.1	11.1	2.6	2.5	2.5	9.4	9.5	9.5	18.3	20.0	18.4	30
2.0	2.0	2.0	12.4	12.2	12.2	1.5	1.4	1.4	8.1	8.2	8.3	11.5	11.4	11.4	31
4.6	4.4	4.4	25.7	24.6	24.7	5.3	5.1	5.2	23.9	23.7	23.8	12.8	12.7	12.7	32
3.4	3.2	3.2	15.3	13.7	13.6	2.2	1.9	1.9	9.4	9.3	9.3	11.9	12.2	11.8	33
54.5	51.2	51.2	275.8	267.1	268.3	59.3	59.2	59.4	210.9	212.0	210.9	215.8	214.0	215.1	34
3.8	3.7	3.7	19.1	18.0	18.0	4.4	4.2	4.2	15.8	16.0	15.9	9.5	9.0	9.2	35
11.0	10.9	11.0	45.5	44.7	44.7	21.9	22.7	22.7	40.2	39.6	39.9	28.7	27.2	27.5	36
1.7	1.6	1.6	9.1	8.7	8.7	1.3	1.3	1.3	10.4	10.9	10.9	3.9	3.6	3.6	37
3.9	3.7	3.8	13.1	12.9	13.0	2.9	2.7	2.7	12.2	12.5	12.6	6.3	6.4	6.3	38
2.4	2.3	2.3	13.7	13.3	13.3	2.1	2.0	2.0	11.1	10.9	11.0	11.1	10.9	10.9	39
63.0	61.0	61.7	229.5	225.6	226.8	48.1	47.7	47.8	174.0	178.9	179.3	191.7	192.7	192.8	40
1.5	1.4	1.4	5.4	5.6	5.6	.8	.8	.8	4.0	4.1	4.1	11.3	11.4	11.3	41
8.2	7.9	7.9	18.5	18.1	18.2	6.1	5.9	5.9	17.5	17.7	17.6	22.0	21.9	21.7	42
10.2	10.3	10.4	47.7	45.9	45.9	9.6	9.6	9.6	39.8	40.6	40.6	24.5	23.4	23.5	43
66.8	65.2	65.6	258.4	249.0	249.9	52.6	51.4	51.5	216.9	217.5	217.1	237.4	233.8	234.2	44
7.3	7.5	7.4	31.4	32.6	32.5	7.4	7.1	7.2	28.5	30.9	30.4	33.2	33.5	33.4	45
23.5	23.1	(*)	88.1	86.8	(*)	24.3	23.9	(*)	77.3	77.8	(*)	58.9	55.6	(*)	46
2.3	2.3	2.3	7.1	6.2	6.2	1.2	1.3	1.3	6.2	5.5	5.5	4.8	4.7	4.7	47
131.7	131.2	130.6	368.1	371.3	369.9	74.0	76.2	76.4	287.7	296.2	296.0	309.0	314.4	314.4	48
2.4	2.3	2.3	11.5	11.8	11.8	2.9	3.0	3.0	11.1	11.5	11.5	15.9	16.0	16.1	49
10.6	10.9	10.9	45.4	47.6	47.4	12.3	12.5	12.5	35.4	37.2	37.5	49.0	49.9	49.9	50
6.7	7.4	7.5	23.1	24.9	25.1	3.1	3.3	3.4	17.1	18.3	18.3	10.5	10.7	10.6	51
4.4	4.7	4.6	15.1	15.4	15.6	2.9	3.0	3.0	10.7	11.2	11.2	11.4	11.3	11.3	52
2.7	2.5	2.5	13.2	12.6	12.6	3.9	3.9	3.9	8.9	8.7	8.8	10.6	10.7	10.7	53
55.8	55.6	55.1	129.5	129.6	129.4	31.1	31.1	31.1	116.7	116.1	116.0	82.5	81.6	81.5	54
9.4	8.9	9.0	35.9	35.7	36.0	7.4	7.0	7.1	29.3	30.4	30.3	26.1	26.2	26.3	55
18.6	18.1	18.5	89.9	85.8	88.5	16.9	17.6	17.7	79.2	77.9	79.1	81.8	83.9	83.6	56
1.2	1.2	1.2	8.1	7.9	8.2	1.7	1.7	1.7	7.5	7.7	7.7	3.2	3.0	2.9	57
5.6	5.8	5.8	24.7	25.3	25.6	7.4	8.1	8.1	20.0	21.4	21.4	12.1	12.7	12.6	58
84.9	85.0	84.1	407.1	408.0	412.0	93.4	93.4	94.2	378.9	382.0	385.0	428.4	418.3	417.1	59
57.1	56.2	55.4	223.4	228.7	230.4	57.5	57.9	58.0	200.4	205.3	205.5	224.4	220.4	219.4	60
39.3	39.0	38.1	98.0	97.0	97.5	38.5	38.6	38.8	106.1	109.3	108.4	90.0	82.8	82.6	61

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAY 1961	APR. 1962	MAY 1962P	MAY 1961	APR. 1962	MAY 1962P	MAY 1961	APR. 1962	MAY 1962P	MAY 1961	APR. 1962	MAY 1962P
1 MASSACHUSETTS	2,683.5	2,625.1	2,641.3	(1)	(1)	(1)	79.9	77.7	81.4	669.0	639.2	640.0
2 Boston	1,491.1	1,480.7	1,488.2	(1)	(1)	(1)	43.4	41.6	43.5	294.4	286.1	289.0
3 Brockton	58.7	57.1	57.4	(1)	(1)	(1)	1.5	1.4	1.5	12.8	12.3	12.4
4 Fall River	54.2	52.7	53.1	(1)	(1)	(1)	1.3	1.1	1.2	20.4	19.4	19.4
5 Lawrence—Haverhill	116.8	114.0	113.8	(1)	(1)	(1)	2.9	2.6	2.8	46.5	44.3	43.5
6 Lowell	79.0	80.2	80.1	(1)	(1)	(1)	2.8	2.7	2.9	28.9	29.8	29.7
7 New Bedford	65.6	62.8	63.0	(1)	(1)	(1)	1.6	1.3	1.5	26.4	24.7	24.7
8 Springfield—Chicopee—Holyoke	238.6	232.3	234.0	(1)	(1)	(1)	6.4	5.7	6.1	63.8	60.1	59.8
9 Worcester	167.2	164.4	164.4	(1)	(1)	(1)	5.2	4.8	5.0	47.9	44.7	44.2
10 MICHIGAN	3,419.7	3,206.2	3,250.2	12.5	9.9	10.0	105.8	78.9	87.4	997.4	884.0	895.2
11 Ann Arbor	138.0	134.4	130.2	(1)	(1)	(1)	2.2	1.7	1.8	38.9	34.5	35.0
12 Battle Creek	62.8	60.9	60.7	(1)	(1)	(1)	1.5	1.3	1.6	20.2	18.5	17.8
13 Bay City	34.4	34.0	34.1	(1)	(1)	(1)	1.0	.9	.9	9.1	8.2	8.3
14 Benton Harbor	60.1	57.0	57.8	(1)	(1)	(1)	1.9	1.5	1.6	21.0	19.6	19.7
15 Detroit	1,651.8	1,544.4	1,565.0	1.2	.9	1.0	48.6	35.9	38.8	475.6	425.8	429.5
16 Flint	191.7	168.8	177.4	(1)	(1)	(1)	5.1	3.9	4.1	74.7	57.3	63.4
17 Grand Rapids	271.8	264.6	267.8	(1)	(1)	(1)	11.3	9.6	10.2	90.5	86.4	87.0
18 Jackson	51.1	48.4	48.2	(1)	(1)	(1)	1.3	.9	1.0	14.4	13.2	12.9
19 Kalamazoo—Portage	109.1	107.7	107.2	(1)	(1)	(1)	4.3	3.6	3.9	32.8	30.6	31.2
20 Lansing—East Lansing	196.2	183.6	185.9	(1)	(1)	(1)	5.2	3.1	3.7	41.9	35.0	35.4
21 Muskegon—Norton Shores—Muskegon Hts.	59.5	57.6	58.5	(1)	(1)	(1)	2.1	1.7	1.9	19.8	18.9	19.2
22 Saginaw	85.5	79.0	79.2	(1)	(1)	(1)	2.2	2.1	2.2	30.6	24.1	23.6
23 MINNESOTA	1,777.8	1,720.8	1,741.3	16.2	11.6	11.9	67.4	56.9	64.7	362.3	345.4	347.3
24 Duluth—Superior	57.9	54.7	55.1	(1)	(1)	(1)	1.8	1.3	1.5	7.1	6.5	6.1
25 Minneapolis—St. Paul	1,098.2	1,073.9	1,081.6	(1)	(1)	(1)	38.7	32.2	35.0	243.0	234.5	234.8
26 Rochester	51.2	50.1	50.3	(2)	(2)	(2)	1.8	1.5	1.9	10.5	9.9	9.9
27 St. Cloud	56.8	54.1	54.6	(1)	(1)	(1)	3.2	2.8	2.9	12.4	11.2	11.7
28 MISSISSIPPI	828.1	808.6	805.0	12.8	12.9	12.8	43.1	40.7	39.7	223.7	210.1	210.2
29 Jackson	148.0	146.6	145.9	2.1	2.1	2.1	6.7	5.7	5.4	18.6	17.7	17.6
30 MISSOURI	1,991.1	1,958.7	1,971.0	5.6	7.4	7.4	88.6	86.8	90.4	429.2	412.2	413.4
31 Kansas City	630.5	600.2	603.3	.5	.4	.4	23.4	20.3	20.4	119.8	109.3	112.1
32 St. Joseph	36.8	35.0	35.0	(2)	(2)	(2)	1.8	1.6	1.5	9.0	8.3	8.4
33 St. Louis	998.9	975.2	980.6	2.0	3.4	3.4	45.4	42.0	44.5	231.9	222.0	220.8
34 Springfield	87.1	86.5	86.2	(2)	(2)	(2)	3.2	3.3	3.5	18.0	17.5	17.6
35 MONTANA	284.6	288.1	288.0	11.2	11.0	10.7	12.9	13.5	12.9	22.8	20.9	21.6
36 Billings	47.8	49.0	48.7	(1)	(1)	(1)	2.2	2.5	2.3	4.0	4.1	4.0
37 Great Falls	28.7	30.7	30.6	(1)	(1)	(1)	1.2	1.6	1.7	1.4	1.4	1.3
38 NEBRASKA	630.8	610.7	616.4	1.7	1.6	1.6	27.2	22.8	23.0	95.8	86.9	86.5
39 Lincoln	100.4	96.8	98.0	(2)	(2)	(2)	3.3	2.5	2.9	13.2	12.3	12.2
40 Omaha	266.6	257.2	260.1	(2)	(2)	(2)	10.4	8.7	8.7	35.8	33.5	33.4
41 NEVADA	413.2	413.2	415.6	8.0	7.5	7.5	26.0	22.8	23.0	20.4	20.3	20.2
42 Las Vegas	228.3	230.3	230.8	.6	.6	.6	14.7	13.8	13.8	7.4	7.5	7.4
43 Reno	115.6	115.3	116.3	1.0	.7	.8	6.6	5.4	5.6	8.5	8.2	8.2
44 NEW HAMPSHIRE	392.9	388.9	393.1	(2)	(2)	(2)	20.1	22.5	23.4	116.4	112.3	112.4
45 Manchester	74.8	75.0	75.5	(2)	(2)	(2)	3.2	2.8	3.0	17.0	16.9	17.0
46 Nashua	67.0	67.7	68.0	(2)	(2)	(2)	2.7	2.6	2.7	31.1	30.2	30.3
47 NEW JERSEY	3,085.3	3,051.5	3,067.4	2.3	2.4	2.4	100.7	110.5	114.3	774.6	731.2	730.6
48 Atlantic City	100.6	99.9	102.6	-	-	-	5.5	5.4	5.7	8.4	7.0	7.2
49 Camden	344.8	340.8	342.2	.1	.1	.1	12.7	12.9	13.2	71.0	67.1	67.4
50 Hackensack	397.7	393.0	390.9	(1)	(1)	(1)	13.1	14.6	14.2	109.7	105.6	104.9
51 Jersey City	223.9	221.3	221.3	-	-	-	4.9	5.6	5.9	67.3	63.9	64.0
52 Long Branch—Asbury Park	169.5	168.2	170.8	(1)	(1)	(1)	6.8	6.6	6.7	25.4	24.1	24.2
53 New Brunswick—Perth Amboy—Sayreville	292.5	286.5	286.8	(1)	(1)	(1)	9.5	11.2	11.0	91.0	85.5	85.3
54 Newark	941.5	934.8	938.7	.8	.9	.8	28.5	31.2	32.4	246.1	233.3	232.3
55 Paterson—Clifton—Passaic	190.3	186.4	187.1	(1)	(1)	(1)	5.8	5.8	6.2	67.1	65.1	65.0
56 Trenton	164.2	159.2	159.6	(1)	(1)	(1)	3.1	3.4	3.6	34.4	30.5	30.3
57 Vineland—Millville—Bridgeton	53.5	50.8	50.8	(1)	(1)	(1)	1.9	1.6	1.7	17.4	15.4	15.5
58 NEW MEXICO	478.5	474.8	475.8	31.3	29.7	28.7	33.7	32.1	32.1	34.2	33.1	32.8
59 Albuquerque	189.7	188.6	190.1	(1)	(1)	(1)	12.4	11.5	11.7	17.9	16.9	16.9
60 Las Cruces	30.4	31.4	30.8	-	-	-	1.9	1.8	1.7	2.5	2.7	2.7

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls 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			
MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	
120.7	117.7	118.9	578.0	574.4	575.8	164.5	166.2	167.5	668.2	681.2	682.2	403.2	368.7	371.5	1
71.8	69.3	69.7	321.9	322.3	325.0	112.1	116.0	116.4	443.1	460.4	458.3	204.4	185.0	186.3	2
3.6	3.5	3.6	15.4	15.1	15.2	2.2	2.2	2.2	10.6	10.9	10.9	12.6	11.7	11.6	3
1.8	1.8	1.8	11.6	11.5	11.7	2.9	2.9	2.9	9.1	9.2	9.3	7.1	6.8	6.8	4
4.9	4.9	5.0	22.2	22.6	22.6	4.3	4.4	4.4	18.6	19.0	19.3	17.4	16.2	16.2	5
3.3	3.4	3.4	16.3	16.8	16.7	2.2	2.1	2.2	12.8	13.6	13.6	12.7	11.8	11.6	6
2.2	2.3	2.3	12.8	12.6	12.8	2.1	2.1	2.0	10.5	10.8	10.9	10.0	9.0	8.8	7
9.5	9.2	9.2	48.3	48.5	49.0	13.4	13.3	13.5	48.9	49.8	50.8	48.3	45.7	45.6	8
7.4	7.5	7.6	36.5	36.2	36.5	10.0	10.2	10.4	35.4	37.7	36.8	24.8	23.3	23.9	9
145.6	136.9	137.7	719.9	667.7	682.6	154.8	150.7	151.7	651.1	660.6	664.7	632.6	617.4	620.9	10
3.3	3.4	3.3	20.0	19.0	19.1	4.1	3.8	3.8	24.2	24.4	24.8	45.4	47.5	42.5	11
2.2	2.2	2.2	10.6	10.5	10.5	4.3	4.2	4.2	11.6	12.0	12.1	12.4	12.1	12.3	12
1.7	1.7	1.7	8.7	8.8	8.9	1.4	1.3	1.3	7.0	7.6	7.5	5.7	5.4	5.4	13
2.2	2.0	2.0	11.6	11.1	11.4	2.0	1.9	1.9	12.3	12.2	12.4	9.1	8.7	8.8	14
77.8	73.0	73.0	361.1	340.5	349.4	88.6	87.2	88.0	347.4	344.1	346.3	251.5	237.0	239.0	15
5.9	6.4	6.3	40.6	38.2	38.3	6.4	6.3	6.3	29.3	27.8	29.3	29.7	28.9	29.6	16
11.1	11.0	11.0	64.6	64.4	65.5	10.9	10.8	10.9	51.4	51.5	51.8	31.9	30.9	31.5	17
5.0	5.1	4.6	10.3	9.6	9.7	1.6	1.6	1.6	9.6	9.7	9.8	8.8	8.4	8.6	18
4.1	4.3	4.3	22.4	21.9	22.0	4.1	4.0	4.0	22.2	22.2	22.3	19.1	21.1	19.5	19
5.6	5.6	5.6	35.8	35.0	33.8	9.4	9.2	9.2	30.2	30.2	31.2	68.3	65.5	67.0	20
3.1	3.0	3.2	11.8	11.6	11.7	1.4	1.4	1.4	10.4	10.3	10.4	10.9	10.7	10.7	21
4.8	4.8	4.8	17.7	18.0	18.4	4.1	3.9	3.9	14.1	14.9	15.2	11.9	11.1	11.1	22
100.3	94.4	95.4	442.5	429.0	433.9	97.2	97.8	97.8	381.5	386.0	390.2	310.5	299.7	300.2	23
6.2	5.3	5.6	14.7	14.4	14.6	2.3	2.2	2.2	13.8	13.1	13.1	12.1	11.9	12.0	24
63.7	60.8	60.7	270.3	265.4	266.5	72.4	72.8	72.7	247.2	249.3	251.9	163.0	158.8	159.9	25
1.9	1.9	1.9	9.8	10.0	10.0	1.5	1.5	1.5	19.6	20.1	20.2	6.1	5.1	5.0	26
3.5	3.1	3.1	13.6	13.2	13.2	1.9	1.9	1.9	10.3	10.3	10.3	11.8	11.6	11.5	27
40.3	40.3	40.4	164.2	162.3	162.6	32.8	32.9	33.0	121.8	121.9	121.6	189.4	187.5	184.7	28
10.1	10.0	10.1	34.9	34.6	34.6	11.3	11.1	11.0	29.8	30.4	30.3	34.5	35.0	34.8	29
139.5	134.4	134.1	469.5	462.5	467.5	109.1	108.6	108.9	406.5	413.1	415.3	343.0	333.7	334.0	30
52.7	49.6	49.4	161.2	152.2	153.1	44.5	44.1	44.1	133.1	132.6	132.4	95.3	91.7	91.4	31
2.2	2.2	2.2	8.9	8.5	8.5	1.9	2.0	2.0	6.8	6.3	6.4	6.2	6.1	6.0	32
72.9	69.5	69.2	227.1	223.1	225.4	57.7	57.1	57.2	223.6	222.6	224.8	138.3	135.5	135.3	33
7.1	7.2	7.1	24.2	23.1	23.5	3.5	3.5	3.5	18.9	19.9	18.9	12.2	12.0	12.1	34
23.0	22.8	22.7	73.0	76.1	75.7	13.1	12.6	12.6	56.0	58.4	58.5	72.5	72.8	73.4	35
4.4	4.5	4.4	15.8	16.5	16.5	2.5	2.5	2.5	11.1	11.5	11.4	7.8	7.5	7.5	36
1.9	2.1	2.1	9.3	10.2	10.2	2.1	2.2	2.1	7.0	7.6	7.3	5.8	5.7	5.7	37
47.8	43.3	43.6	163.8	160.7	162.4	41.2	41.4	41.3	121.6	122.0	124.0	131.8	132.0	134.0	38
7.5	6.8	6.9	22.5	22.3	22.5	7.0	7.0	7.0	17.2	17.3	17.3	29.6	28.6	29.2	39
24.4	22.9	23.1	67.9	65.2	65.9	23.7	23.9	23.8	62.0	60.0	61.4	42.3	43.0	43.8	40
25.0	25.3	25.4	84.1	85.0	85.9	18.5	18.2	18.1	173.0	175.7	177.0	58.2	58.4	58.5	41
13.8	13.9	14.0	48.3	48.5	48.8	10.5	10.5	10.4	106.1	108.0	108.5	26.9	27.5	27.3	42
8.1	8.1	8.1	25.2	26.0	26.2	6.2	6.0	5.9	43.6	44.4	44.9	16.4	16.5	16.6	43
14.3	14.3	14.4	88.4	87.3	89.0	20.5	20.7	20.7	75.0	75.1	76.5	58.2	56.7	56.7	44
4.7	4.7	4.7	19.7	19.9	20.1	6.2	6.4	6.4	15.3	16.0	16.0	8.7	8.3	8.3	45
2.1	2.2	2.2	13.2	14.1	14.2	1.9	2.1	2.1	10.3	10.9	10.9	5.7	5.6	5.6	46
191.6	192.1	186.7	689.6	682.9	692.5	160.8	162.2	162.9	638.4	643.9	651.2	527.3	526.3	526.8	47
4.0	3.9	3.9	19.4	17.8	18.8	5.0	4.7	4.8	42.0	44.9	46.0	16.2	16.2	16.2	48
15.4	15.0	15.0	89.2	88.1	88.3	17.4	16.7	16.8	71.6	73.5	74.1	67.4	67.4	67.3	49
20.8	20.2	20.3	116.2	112.1	111.1	18.1	18.2	18.3	77.2	80.2	80.8	42.5	42.1	41.3	50
25.4	24.4	23.8	44.8	44.6	44.6	8.4	8.5	8.6	32.2	32.8	32.8	40.9	41.5	41.6	51
6.7	6.6	6.8	42.2	42.4	43.3	7.9	7.8	7.9	43.5	43.7	45.0	37.1	37.0	36.9	52
23.6	23.5	23.6	67.7	66.1	66.7	11.5	11.5	11.7	42.7	44.8	45.0	46.5	43.9	43.5	53
72.9	74.9	75.1	181.8	178.7	181.6	64.7	65.5	65.7	199.5	204.9	205.5	147.2	145.4	145.3	54
6.6	6.3	6.3	40.3	39.3	39.2	9.3	9.0	9.0	34.9	34.7	35.1	26.2	26.2	26.3	55
5.3	5.2	5.2	25.0	24.0	24.2	8.2	8.5	8.6	42.3	41.8	42.0	45.9	45.8	45.7	56
3.0	3.0	2.9	9.0	8.7	8.7	2.4	2.5	2.5	8.7	8.7	8.7	11.0	10.9	10.8	57
29.1	28.7	29.0	106.0	107.9	109.5	21.6	22.0	22.2	94.6	94.3	95.3	128.0	127.0	126.2	58
11.9	11.3	11.6	47.5	48.2	48.9	11.0	10.9	11.0	45.6	46.9	47.3	43.4	42.9	42.7	59
1.2	1.2	1.2	5.4	5.8	5.8	1.3	1.2	1.2	4.0	4.2	3.9	14.1	14.5	14.3	60

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by Industry division—Continued

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
1 NEW YORK	7,302.0	7,248.0	7,305.2	6.5	6.0	6.2	215.0	198.0	213.4	1,438.5	1,383.0	1,384.8
2 Albany—Schenectady—Troy	341.8	335.7	337.9	(1)	(1)	(1)	9.9	8.0	9.2	56.7	52.8	52.3
3 Binghamton	117.4	117.4	118.5	(1)	(1)	(1)	3.5	3.3	3.7	42.7	42.5	42.7
4 Buffalo	502.9	473.9	479.9	(1)	(1)	(1)	16.3	12.6	14.7	132.8	116.3	116.5
5 Elmira	36.8	34.8	34.8	(1)	(1)	(1)	1.0	.8	1.0	11.1	9.6	9.2
6 Monroe County	343.1	342.5	346.8	(1)	(1)	(1)	9.6	8.9	9.8	137.3	138.1	139.6
7 Nassau—Suffolk	928.5	920.2	932.1	(1)	(1)	(1)	36.5	33.3	34.9	168.2	165.7	166.1
8 New York—Northeastern New Jersey	6,737.6	6,759.4	(*)	2.9	2.3	(*)	192.3	201.6	(*)	1,324.3	1,280.9	(*)
9 New York and Nassau—Suffolk	4,740.5	4,736.6	4,763.4	2.0	1.9	1.9	137.8	133.8	138.5	749.4	726.2	727.0
10 New York SMSA	3,812.0	3,816.3	3,831.3	1.7	1.7	1.7	101.3	100.6	103.6	581.2	560.5	560.9
11 New York City	3,358.7	3,365.9	3,376.8	1.5	1.4	1.4	82.4	81.4	83.4	489.5	471.0	471.2
12 Poughkeepsie	99.6	102.0	102.7	(1)	(1)	(1)	2.8	2.6	2.8	31.9	33.2	33.3
13 Rochester	419.4	417.8	423.3	(1)	(1)	(1)	11.4	10.6	11.8	156.2	156.7	158.4
14 Rockland County	81.8	81.4	82.7	(1)	(1)	(1)	2.7	2.7	3.0	15.5	15.1	15.3
15 Syracuse	259.5	255.1	255.4	(1)	(1)	(1)	9.4	8.4	9.3	59.5	56.8	56.9
16 Utica—Rome	114.3	112.9	114.1	(1)	(1)	(1)	2.7	2.3	2.8	29.4	28.5	28.3
17 Westchester County	359.0	356.6	359.3	(1)	(1)	(1)	15.5	15.8	16.4	74.8	73.1	73.0
18 NORTH CAROLINA	2,397.7	2,352.9	2,348.7	5.0	4.8	4.9	117.2	106.5	106.7	818.0	779.7	776.2
19 Asheville	71.9	69.9	71.0	(1)	(1)	(1)	3.0	2.9	2.9	21.8	20.7	20.8
20 Charlotte—Gastonia	341.2	333.1	332.8	(1)	(1)	(1)	18.2	17.7	17.8	94.6	91.5	91.1
21 Greensboro—Winston-Salem—High Pt	392.1	386.6	386.8	(1)	(1)	(1)	16.8	16.2	16.4	149.7	144.2	143.7
22 Raleigh—Durham	277.6	278.5	275.2	(1)	(1)	(1)	14.0	12.7	12.8	45.4	44.8	44.9
23 NORTH DAKOTA	249.5	247.4	252.9	10.8	10.3	10.2	14.7	12.3	16.5	15.1	14.5	14.6
24 Fargo—Moorhead	62.1	61.8	62.5	(2)	(2)	(2)	3.2	2.4	3.0	4.6	4.3	4.3
25 OHIO	4,356.7	4,216.6	4,248.4	23.1	32.4	32.8	155.6	138.7	145.6	1,247.2	1,132.2	1,132.4
26 Akron	262.7	255.1	257.8	(*)	(*)	(*)	7.6	6.6	7.1	76.6	71.6	71.7
27 Canton	158.1	153.2	154.6	(*)	(*)	(*)	5.0	4.8	5.2	55.4	50.7	50.9
28 Cincinnati	599.1	585.4	589.3	(*)	(*)	(*)	22.6	20.5	21.2	158.6	150.5	150.6
29 Cleveland	885.3	860.8	864.8	(*)	(*)	(*)	27.8	25.5	25.9	248.0	233.2	232.9
30 Columbus	510.3	504.1	507.3	(*)	(*)	(*)	18.1	16.2	17.1	94.1	88.4	87.8
31 Dayton	346.3	346.3	346.7	(*)	(*)	(*)	11.3	10.0	10.7	98.3	90.6	90.0
32 Toledo	295.3	285.5	288.8	(*)	(*)	(*)	11.6	10.3	10.9	75.3	68.4	68.8
33 Youngstown—Warren	203.0	186.8	190.9	(*)	(*)	(*)	6.1	5.5	5.8	69.8	55.9	58.1
34 OKLAHOMA	1,192.0	1,218.5	1,224.5	92.7	104.1	101.6	54.3	54.6	56.0	199.0	189.4	189.8
35 Enid	26.6	26.5	26.6	2.8	3.0	3.0	1.5	1.3	1.3	3.1	2.7	2.6
36 Lawton	29.4	30.3	30.9	(1)	(1)	(1)	1.3	1.3	1.3	3.1	3.0	3.0
37 Oklahoma City	421.9	435.2	441.6	26.0	29.8	30.2	21.1	21.5	22.1	56.3	51.9	53.8
38 Tulsa	320.1	326.3	327.4	25.9	28.7	28.7	16.1	15.6	16.2	67.3	65.9	65.0
39 OREGON	1,028.5	971.6	975.1	2.1	2.0	2.6	37.7	29.3	31.2	203.2	185.8	186.3
40 Eugene—Springfield	101.3	95.9	96.0	(1)	(1)	(1)	3.6	2.7	2.8	19.0	16.5	16.5
41 Jackson County				-	-	-	-	-	-	7.7	6.2	6.5
42 Portland	549.8	525.7	524.0	(1)	(1)	(1)	21.3	18.5	18.9	108.9	101.4	100.9
43 Salem	85.7	82.5	(*)	(1)	(1)	(1)	3.4	2.6	(*)	12.0	10.7	(*)
44 PENNSYLVANIA	4,754.5	4,585.2	4,598.8	26.9	45.7	45.4	186.8	160.4	171.8	1,307.7	1,200.8	1,186.5
45 Allentown—Bethlehem—Easton	264.4	254.8	256.1	(1)	(1)	(1)	7.7	7.0	7.5	104.1	97.7	96.8
46 Altoona	50.6	48.9	49.2	(1)	(1)	(1)	2.0	1.9	2.0	12.8	12.3	12.3
47 Delaware Valley	1,598.4	1,553.1	1,555.7	(1)	(1)	(1)	63.4	52.9	57.2	361.6	340.6	337.1
48 Erie	112.1	106.8	106.2	(1)	(1)	(1)	3.3	2.7	2.8	41.0	39.4	38.8
49 Harrisburg	228.0	224.8	227.3	(1)	(1)	(1)	8.1	6.8	7.3	42.1	40.2	40.5
50 Johnstown	79.1	78.8	78.8	2.9	7.5	7.2	3.0	2.0	2.1	17.4	15.1	15.1
51 Lancaster	155.9	151.3	152.0	(1)	(1)	(1)	6.5	6.1	6.1	59.5	55.9	55.9
52 Northeast Pennsylvania	241.3	232.6	233.7	.5	1.0	1.1	10.8	9.6	9.7	69.4	65.3	64.7
53 Philadelphia SMSA	1,942.5	1,894.2	1,897.6	(1)	(1)	(1)	76.6	65.8	70.4	432.7	407.8	404.4
54 Philadelphia City	783.6	759.3	759.1	(1)	(1)	(1)	20.2	17.7	19.3	130.1	122.2	121.0
55 Pittsburgh	942.3	895.6	890.9	3.7	9.5	9.5	44.7	40.6	41.2	239.2	203.6	196.7
56 Reading	138.7	136.3	136.9	(1)	(1)	(1)	5.0	4.3	4.4	51.9	50.7	51.2
57 Williamsport	46.0	45.9	45.2	(1)	(1)	(1)	1.3	1.1	1.2	15.5	15.9	15.2
58 York	156.1	152.4	152.8	(1)	(1)	(1)	6.5	6.7	6.9	64.3	61.8	61.0
59 RHODE ISLAND	403.1	387.2	391.0	(1)	(1)	(1)	12.1	11.2	11.5	127.1	116.5	116.2
60 Providence—Warwick—Pawtucket	409.6	392.4	394.8	(1)	(1)	(1)	12.3	11.3	11.6	140.4	128.8	127.5
61 SOUTH CAROLINA	1,207.7	1,189.9	1,182.1	(1)	(1)	(1)	72.3	65.7	65.6	389.6	369.8	360.2
62 Charleston—North Charleston	153.2	154.3	155.7	(1)	(1)	(1)	10.2	10.1	10.1	21.2	19.6	19.7
63 Columbia	179.8	179.9	179.2	(1)	(1)	(1)	8.4	8.3	8.3	27.2	25.9	25.0
64 Greenville—Spartanburg	267.7	265.1	263.0	(1)	(1)	(1)	16.6	15.4	15.6	102.6	98.3	96.7

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls 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			
MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	
430.9	424.0	426.2	1,461.2	1,446.5	1,465.0	651.6	664.6	667.4	1,782.8	1,811.9	1,820.4	1,315.6	1,313.8	1,321.8	1
15.3	15.1	15.2	68.1	68.2	68.9	16.0	15.9	16.1	73.5	74.7	75.1	102.3	101.0	101.2	2
4.7	4.6	4.6	21.1	21.0	21.3	4.2	4.1	4.2	18.0	19.5	19.6	23.1	22.2	22.5	3
26.9	25.3	25.5	110.4	106.8	108.5	22.5	22.4	22.5	106.6	106.9	107.9	87.3	83.7	84.4	4
1.3	1.3	1.3	8.5	8.6	8.7	1.1	1.2	1.2	7.2	7.1	7.2	6.6	6.2	6.3	5
10.3	10.2	10.2	60.0	59.5	60.2	14.3	14.3	14.4	70.7	71.4	72.2	40.9	40.1	40.3	6
41.0	41.9	42.9	238.6	235.1	238.9	52.7	53.1	53.3	215.6	217.6	220.8	176.0	173.6	175.2	7
472.0	464.7	(*)	1,395.9	1,385.3	(*)	637.2	670.5	(*)	1,624.4	1,685.8	(*)	1,088.6	1,068.3	(*)	8
320.2	315.4	317.3	952.7	944.0	952.6	545.5	557.7	559.3	1,263.3	1,288.4	1,294.5	769.6	769.1	772.3	9
279.3	273.5	274.4	714.0	709.0	713.7	492.8	504.7	506.0	1,048.0	1,071.0	1,073.9	593.7	595.5	597.1	10
255.9	250.2	251.1	610.2	605.1	608.6	470.1	481.9	483.2	934.4	958.2	960.0	514.8	516.6	517.8	11
2.9	2.9	2.9	16.5	16.6	16.8	2.9	2.9	2.9	19.0	19.6	19.8	23.8	24.2	24.3	12
12.7	12.5	12.6	77.6	77.1	78.2	15.8	15.9	16.0	83.3	83.5	84.6	62.4	61.5	61.7	13
3.4	3.4	3.4	17.8	17.6	18.0	2.6	2.7	2.7	18.8	18.2	18.5	21.0	21.6	21.8	14
14.5	14.1	14.3	56.5	55.5	56.4	16.5	16.4	16.6	53.6	54.7	52.8	49.5	49.1	49.0	15
4.0	3.9	3.9	22.5	22.2	22.7	5.5	5.5	5.6	21.5	21.4	21.5	28.8	29.1	29.3	16
19.4	19.3	19.4	83.1	83.2	84.0	19.6	19.6	19.6	92.0	91.7	92.6	54.6	54.1	54.2	17
116.1	115.2	115.9	473.3	465.6	467.1	98.3	98.7	98.5	353.5	359.9	360.8	416.3	422.5	418.6	18
3.6	3.6	3.6	15.6	15.5	15.7	2.3	2.4	2.4	13.5	12.6	13.1	12.1	12.2	12.5	19
31.5	30.9	31.2	82.5	79.3	79.2	21.5	21.6	21.4	54.7	54.6	54.7	38.2	37.5	37.4	20
21.2	21.0	21.3	77.8	76.5	77.1	18.8	18.9	18.8	60.1	61.9	62.0	47.7	47.9	47.5	21
13.2	13.8	14.0	53.0	52.3	52.6	15.9	16.2	16.2	61.3	61.3	60.8	74.8	77.4	73.9	22
17.2	16.8	16.7	67.0	66.4	67.5	11.7	11.9	11.9	51.3	53.9	53.8	61.7	61.3	61.7	23
4.0	3.7	3.8	18.8	18.9	19.0	3.8	3.9	3.9	14.4	15.2	15.1	13.3	13.4	13.4	24
217.8	214.0	214.4	949.5	929.4	938.3	204.6	205.1	205.5	859.3	882.1	890.5	699.6	682.7	688.8	25
14.0	13.7	13.5	57.9	57.1	57.7	9.2	9.1	9.2	52.0	52.5	53.5	44.8	43.8	44.6	26
6.9	7.0	7.0	33.6	33.1	33.4	6.3	6.4	6.5	30.2	30.5	30.8	19.4	19.3	19.4	27
33.3	32.7	32.8	140.4	137.6	138.5	32.5	32.0	32.1	125.9	127.0	128.6	85.4	84.7	85.1	28
45.1	44.3	44.5	200.5	195.0	196.7	47.6	47.4	47.7	193.4	196.9	197.8	121.7	117.1	118.0	29
24.3	23.8	23.7	119.4	119.5	121.1	39.0	40.5	40.6	108.5	111.4	112.0	106.1	103.6	104.0	30
13.2	13.0	13.1	73.3	72.2	72.8	13.5	13.7	13.9	73.7	76.9	76.1	71.0	69.6	69.9	31
19.4	18.9	19.0	66.3	64.9	65.6	10.6	10.6	10.7	63.7	65.9	66.4	47.9	46.0	46.8	32
9.3	8.9	9.0	44.1	43.5	43.9	7.1	7.2	7.2	39.3	39.5	39.8	26.5	25.6	26.2	33
69.5	67.6	67.7	276.9	284.4	288.6	58.2	59.9	60.2	202.2	211.5	213.1	239.2	247.0	247.5	34
2.7	2.7	2.8	7.1	7.2	7.3	1.1	1.2	1.2	4.6	4.6	4.6	3.7	3.8	3.8	35
1.3	1.4	1.4	7.4	7.4	7.5	1.2	1.3	1.3	4.5	4.7	4.7	10.6	10.9	11.7	36
24.1	24.8	24.9	103.7	107.8	109.3	26.1	26.9	27.3	73.4	78.1	78.5	91.2	94.4	95.5	37
23.9	23.8	24.0	72.5	74.2	74.7	15.5	16.0	16.1	63.2	66.0	66.6	35.7	36.1	36.1	38
59.2	56.9	56.8	254.1	241.8	241.8	69.0	64.8	65.3	193.3	187.9	187.2	209.9	203.1	203.9	39
5.0	4.7	4.7	25.6	24.1	24.0	5.5	5.3	5.3	19.5	19.6	19.7	23.1	23.0	23.0	40
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
36.0	35.9	35.8	142.1	136.8	136.7	45.5	44.4	44.7	111.9	108.5	107.0	84.1	80.2	80.0	42
2.8	2.8	(*)	19.0	18.0	(*)	5.6	5.7	(*)	15.3	15.9	(*)	27.6	26.8	(*)	43
261.3	243.3	243.9	991.3	966.4	974.9	241.1	241.1	242.3	1,008.8	1,022.2	1,027.6	730.6	705.3	706.4	44
14.0	13.6	13.7	52.6	50.9	51.3	9.6	9.6	9.6	46.3	46.7	47.6	30.1	29.3	29.6	45
6.8	5.9	5.9	10.7	10.6	10.6	1.5	1.5	1.6	8.9	8.6	8.8	7.9	8.1	8.0	46
82.2	78.6	78.5	333.0	324.8	325.2	111.2	112.9	113.3	407.6	415.1	415.9	239.4	228.2	228.5	47
5.0	4.7	4.6	22.0	21.2	21.5	4.8	4.8	4.8	22.4	22.8	22.4	13.6	11.2	11.3	48
17.2	16.2	16.2	46.2	45.2	45.5	12.7	12.8	12.9	41.6	42.1	43.4	60.1	61.5	61.5	49
5.0	4.7	4.7	16.0	15.1	15.2	3.9	4.0	4.0	15.7	15.8	15.9	15.2	14.6	14.6	50
6.4	6.0	6.0	34.3	33.8	34.5	5.8	6.0	6.0	27.4	28.5	28.5	16.0	15.0	15.0	51
12.9	12.4	12.5	50.7	47.9	48.7	10.0	10.1	10.2	47.5	48.0	48.8	39.5	38.3	38.0	52
97.0	93.7	93.5	422.3	412.8	413.6	128.6	129.7	130.0	478.2	488.8	490.1	307.1	295.6	295.6	53
51.7	49.2	49.2	145.1	140.8	141.4	66.5	65.7	65.8	220.6	224.5	223.0	149.4	139.2	139.4	54
56.0	52.0	52.0	213.1	208.4	209.1	47.3	46.3	46.7	219.8	219.9	220.4	118.5	115.3	115.3	55
6.4	6.5	6.6	28.0	27.1	27.1	6.4	6.5	6.4	23.8	24.2	24.3	17.2	17.0	16.9	56
2.3	2.3	2.1	9.7	9.4	9.4	2.2	2.2	2.2	8.2	8.4	8.5	6.8	6.6	6.6	57
7.5	7.3	7.4	33.1	32.7	33.0	4.1	4.0	4.0	22.2	22.1	22.4	18.4	17.8	18.1	58
13.2	13.0	13.4	81.7	78.3	79.7	21.0	21.1	21.1	89.3	90.2	91.6	58.7	56.9	57.5	59
13.1	12.8	13.2	81.5	77.8	78.9	20.9	21.0	20.9	85.3	86.4	87.7	56.1	54.3	55.0	60
53.6	54.3	54.5	233.4	235.0	236.8	49.3	51.0	51.4	170.5	173.2	173.9	239.0	240.5	239.7	61
8.9	8.6	9.1	33.0	32.8	33.1	6.6	6.9	7.1	25.4	28.4	28.7	47.9	47.9	47.9	62
9.6	9.6	9.7	37.7	36.9	37.1	14.2	14.6	14.7	27.7	28.2	28.0	55.0	56.4	56.4	63
9.9	9.3	9.1	54.1	55.4	55.2	10.0	10.4	10.4	38.1	39.7	39.5	36.4	36.6	36.5	64

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued

(In thousands)

State and areas	Total			Mining			Contract Construction			Manufacturing		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
1 SOUTH DAKOTA	239.5	231.7	235.7	2.9	2.8	2.8	10.3	7.5	8.6	25.9	25.5	25.6
2 Sioux Falls	54.2	55.5	55.9	(2)	(2)	(2)	2.5	2.1	2.3	7.3	7.7	7.7
3 TENNESSEE	1,760.0	1,720.8	(*)	10.0	10.7	(*)	75.6	85.2	(*)	510.4	482.2	(*)
4 Chattanooga	169.9	167.3	(*)	1.2	1.2	(*)	6.0	5.8	(*)	49.0	47.5	(*)
5 Knoxville	204.6	205.8	(*)	1.6	1.6	(*)	9.8	10.5	(*)	52.1	48.2	(*)
6 Memphis	358.5	352.6	(*)	.2	.2	(*)	13.6	13.8	(*)	60.3	56.8	(*)
7 Nashville—Davidson	364.4	353.1	(*)	(1)	(1)	(*)	16.6	15.7	(*)	82.8	78.3	(*)
8 TEXAS	6,112.9	6,297.0	6,291.0	279.2	304.6	300.1	427.5	438.9	441.0	1,103.6	1,089.3	1,080.9
9 Dallas—Fort Worth	1,514.3	1,550.9	1,554.3	29.5	32.1	32.3	81.9	80.2	80.4	332.0	323.4	321.6
10 Houston	1,542.8	1,589.7	1,583.0	100.1	104.0	103.9	147.4	147.5	145.2	260.4	263.9	261.7
11 San Antonio	409.8	413.5	413.6	3.1	3.6	3.6	26.9	26.2	26.2	52.2	51.2	50.4
12 UTAH	552.1	560.7	560.8	17.1	20.2	19.6	28.1	25.4	26.6	88.8	87.8	87.7
13 Salt Lake City—Ogden	391.7	394.1	395.7	7.9	7.4	6.7	18.8	16.6	17.2	60.9	60.7	60.7
14 VERMONT	201.2	197.0	200.2	.5	.5	.5	10.9	8.8	10.0	50.5	48.5	49.0
15 Burlington	59.8	58.9	60.0	-	-	-	-	-	-	15.5	15.8	15.8
16 Springfield	14.5	13.6	13.8	-	-	-	-	-	-	6.1	5.4	5.3
17 VIRGINIA	2,154.3	2,157.1	2,163.6	13.0	24.0	23.7	118.1	104.8	107.4	412.9	398.3	396.8
18 Bristol	27.2	26.8	27.1	(1)	(1)	(1)	1.0	.7	.7	9.4	8.9	8.9
19 Lynchburg	70.5	69.2	68.9	(1)	(1)	(1)	2.8	2.4	2.5	28.6	27.4	27.1
20 Newport News—Hampton	152.1	151.1	152.6	(1)	(1)	(1)	6.8	6.4	6.4	34.5	34.3	34.4
21 Norfolk—Virginia Beach—Portsmouth	290.5	288.1	290.3	(1)	(1)	(1)	16.8	16.3	16.6	29.7	27.9	29.0
22 Northern Virginia	466.4	469.7	472.8	.4	.3	.3	29.2	24.9	26.1	19.7	21.2	21.3
23 Peteraburg—Colonial Hgts.—Hopewell	45.2	45.7	45.5	(1)	(1)	(1)	2.0	1.7	1.8	10.6	10.3	10.1
24 Richmond	329.5	327.5	327.6	.3	.3	.3	17.9	16.9	17.2	56.6	54.5	54.2
25 Roanoke	102.7	101.5	102.2	.2	.2	.2	5.0	4.2	4.4	21.2	20.1	20.3
26 WASHINGTON	1,617.6	1,556.5	1,565.1	3.2	3.0	3.1	92.2	75.5	74.3	304.1	287.3	289.3
27 Seattle—Everett	782.7	760.2	758.7	(1)	(1)	(1)	37.4	32.3	32.9	169.9	164.2	162.2
28 Spokane	127.8	121.9	121.5	(1)	(1)	(1)	6.5	4.7	4.9	16.6	14.9	14.7
29 Tacoma	142.6	139.9	(*)	(1)	(1)	(*)	6.8	6.0	(*)	22.9	22.1	(*)
30 WEST VIRGINIA	585.6	606.2	609.1	19.0	64.4	63.3	30.4	20.7	22.9	111.1	100.9	101.0
31 Charleston	107.1	109.1	110.1	2.1	6.8	6.8	6.2	4.3	4.6	16.4	16.2	16.5
32 Huntington—Ashland	100.4	100.8	100.9	.7	1.2	1.2	5.3	3.5	3.7	23.8	23.9	23.7
33 Parkersburg—Martietta	59.4	57.0	56.7	1.3	1.4	1.4	3.5	2.5	2.6	16.9	15.7	15.4
34 Wheeling	61.1	62.8	62.6	1.4	4.7	4.8	2.8	1.9	2.1	11.9	10.6	10.3
35 WISCONSIN	1,923.7	1,857.3	1,874.0	2.4	1.4	1.8	61.9	49.0	54.2	540.4	493.3	492.1
36 Appleton—Oshkosh	124.7	120.2	121.2	(1)	(1)	(1)	4.9	4.2	4.8	45.9	41.9	42.1
37 Eau Claire	49.3	48.0	48.2	(1)	(1)	(1)	1.5	1.2	1.1	9.3	8.6	8.8
38 Green Bay	78.6	77.6	77.6	(1)	(1)	(1)	3.5	2.8	3.2	21.5	20.7	20.9
39 Janesville—Beloit	52.6	47.7	49.1	(1)	(1)	(1)	1.4	.9	1.1	20.6	16.1	16.8
40 Kenohea	43.0	39.1	40.0	(1)	(1)	(1)	1.6	1.4	1.8	16.5	14.0	14.2
41 La Crosse	45.1	45.2	45.2	(1)	(1)	(1)	1.3	1.1	1.3	10.4	10.0	10.0
42 Madison	170.8	168.5	170.2	(1)	(1)	(1)	6.1	4.6	5.5	20.0	18.8	19.3
43 Milwaukee	659.5	634.5	635.0	(1)	(1)	(1)	18.0	14.7	15.2	196.4	176.5	174.1
44 Racine	67.4	60.0	62.4	(1)	(1)	(1)	1.6	1.4	1.6	28.1	21.8	23.8
45 WYOMING	215.4	213.3	218.1	37.3	40.1	40.4	19.0	16.0	17.1	9.8	9.8	10.0
46 Casper	40.4	41.4	41.5	8.0	7.1	7.1	3.5	3.6	4.1	1.9	1.9	1.7
47 Cheyenne	30.7	29.8	29.7	(1)	(1)	(1)	1.9	1.5	1.6	1.4	1.3	1.3
48 PUERTO RICO	(*)	(*)	(*)	.8	.8	.8	35.2	25.3	23.5	(*)	(*)	(*)
49 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	3.2	1.9	1.5	(*)	(*)	(*)
52 San Juan	(*)	(*)	(*)	(1)	(1)	(1)	24.6	19.0	17.7	(*)	(*)	(*)
53 VIRGIN ISLANDS	37.8	35.9	(*)	(2)	(2)	(*)	3.7	2.9	(*)	3.2	2.7	(*)

¹ Combined with services.

² Combined with construction.

³ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁴ Subarea Baltimore Standard Metropolitan Statistical Area.

⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Burlington, Camden, and Gloucester Counties, New Jersey.

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau—Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, Philadelphia Counties, Pennsylvania.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹² Total includes data for industry divisions not shown separately.

¹³ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p=preliminary.

*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls 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			
MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	
13.0	12.8	12.9	64.6	63.5	64.6	11.3	11.3	11.3	52.1	49.9	51.2	59.4	58.4	58.7	1
4.6	4.5	4.6	15.7	16.1	16.1	3.4	3.4	3.4	13.8	14.8	14.8	6.9	6.9	7.0	2
86.2	82.0	(*)	370.8	365.7	(*)	78.5	76.4	(*)	308.5	315.5	(*)	320.0	303.1	(*)	3
7.8	7.6	(*)	34.4	33.9	(*)	9.7	9.8	(*)	29.2	29.1	(*)	32.6	32.4	(*)	4
8.3	7.8	(*)	43.3	45.2	(*)	8.7	8.9	(*)	33.6	35.0	(*)	47.2	48.6	(*)	5
27.5	26.4	(*)	96.2	95.9	(*)	20.0	19.9	(*)	75.1	75.9	(*)	65.6	63.7	(*)	6
19.9	19.8	(*)	79.9	76.7	(*)	24.6	23.8	(*)	77.9	77.5	(*)	62.7	61.3	(*)	7
380.5	392.1	390.6	1,489.2	1,567.4	1,574.1	344.1	355.8	356.7	1,081.8	1,130.6	1,130.1	1,007.0	1,018.3	1,017.5	8
97.8	100.3	100.4	397.1	411.2	413.7	113.1	119.1	119.6	277.1	298.6	300.1	185.8	186.0	186.2	9
107.9	110.0	110.0	367.4	382.1	381.0	91.7	96.8	97.2	299.8	312.3	311.9	168.1	173.1	172.1	10
18.6	19.4	19.3	102.9	102.9	103.2	27.1	27.9	28.0	84.5	85.9	86.1	94.5	96.4	96.8	11
34.2	35.7	36.4	129.1	128.2	129.1	26.3	26.8	26.9	101.2	108.0	105.6	127.3	128.5	128.8	12
26.7	27.6	28.1	96.0	95.2	95.9	21.1	21.8	21.9	70.4	73.4	73.8	90.0	91.5	91.5	13
8.5	8.5	8.6	41.9	42.1	42.7	8.3	8.3	8.4	43.9	43.4	43.9	36.7	36.9	37.1	14
2.4	2.3	2.3	12.5	12.5	12.4	-	-	-	12.7	12.5	12.8	-	-	-	15
.6	.7	.7	2.2	2.1	2.2	-	-	-	2.6	2.4	2.5	-	-	-	16
115.1	117.2	117.8	458.2	469.8	472.5	105.9	105.7	106.3	415.7	423.9	426.4	515.5	513.3	512.7	17
1.0	1.1	1.2	6.3	6.7	6.8	.9	.9	.9	3.4	3.5	3.6	5.2	4.9	4.9	18
2.8	2.7	2.7	12.1	12.1	12.2	3.3	3.3	3.3	10.9	11.2	11.2	10.1	10.0	10.0	19
4.8	5.2	5.2	28.8	29.0	29.4	4.8	4.8	4.9	31.7	30.7	31.5	40.7	40.6	40.9	20
19.9	19.8	20.1	70.0	69.9	70.7	15.0	14.9	15.1	59.0	59.9	60.5	80.1	79.5	79.4	21
32.3	31.9	32.0	110.6	114.1	114.9	29.2	29.2	29.1	124.9	127.0	127.8	120.2	121.0	121.2	22
1.3	1.3	1.2	8.9	9.4	9.2	1.2	1.2	1.2	6.7	7.1	7.1	14.5	14.8	14.8	23
19.7	19.5	19.7	76.1	76.8	77.2	26.4	26.2	26.3	60.4	61.5	61.5	72.2	71.8	71.3	24
9.1	9.8	9.8	24.8	25.1	25.2	6.1	6.0	6.1	20.6	20.8	21.0	15.6	15.3	15.3	25
89.3	86.0	85.8	381.8	375.9	380.8	91.0	91.6	91.9	318.4	315.6	317.0	337.6	321.6	322.9	26
51.6	50.6	50.4	186.3	184.9	185.6	57.2	58.0	58.0	156.8	153.5	153.4	123.5	116.7	116.2	27
8.2	7.7	7.7	35.2	33.7	33.8	7.8	7.8	7.8	30.3	30.8	30.3	23.2	22.3	22.3	28
6.5	6.2	(*)	33.1	32.6	(*)	7.0	6.9	(*)	31.8	32.5	(*)	34.5	33.6	(*)	29
38.2	41.3	41.4	131.7	128.8	129.4	22.0	21.9	22.0	101.5	101.5	102.3	131.7	126.7	126.9	30
9.3	9.4	9.4	26.2	26.2	26.3	5.2	5.1	5.2	20.7	21.1	21.2	21.0	20.1	20.2	31
8.3	9.6	9.6	24.4	24.1	24.1	3.8	3.6	3.6	15.7	15.9	16.0	18.4	18.8	19.0	32
2.5	2.4	2.4	13.1	12.9	13.0	2.1	2.0	2.0	10.4	10.3	10.0	9.8	9.8	9.8	33
3.4	3.6	3.6	15.1	15.2	15.2	2.8	2.8	2.8	14.0	14.3	14.3	9.7	9.6	9.5	34
91.9	87.8	89.2	431.7	423.2	431.2	95.3	96.4	97.0	374.0	380.0	382.8	325.9	326.2	325.7	35
4.3	4.5	4.4	26.0	25.3	25.4	5.6	5.7	5.7	21.2	21.8	21.8	16.9	16.8	16.8	36
2.7	2.6	2.6	13.0	12.8	13.0	1.7	1.7	1.7	9.9	10.0	9.9	11.2	11.1	11.1	37
5.9	5.8	6.1	19.7	19.3	15.4	2.6	2.5	2.5	15.2	15.6	15.5	10.2	10.4	9.9	38
2.1	2.3	2.5	11.2	10.8	11.1	1.4	1.4	1.4	8.9	9.0	9.0	7.0	7.1	7.3	39
1.5	1.2	1.2	8.4	7.9	8.1	1.0	1.0	1.0	8.1	7.7	7.8	6.0	5.9	6.0	40
2.3	2.0	1.9	11.9	11.9	12.0	1.2	1.2	1.2	10.8	11.6	11.6	7.1	7.6	7.2	41
6.3	6.3	6.4	35.8	36.3	36.7	13.4	13.7	13.8	32.5	33.4	33.4	56.7	55.3	55.2	42
34.2	33.0	33.2	140.7	137.1	138.9	40.4	40.9	41.1	145.3	147.4	147.7	84.6	85.0	84.9	43
2.3	2.4	2.4	13.2	12.6	12.8	2.3	2.3	2.3	11.4	11.1	11.1	8.5	8.4	8.6	44
18.2	17.6	17.7	47.3	48.7	49.2	7.4	7.5	7.5	32.2	30.8	32.4	44.2	42.8	43.8	45
2.9	2.5	2.6	10.9	11.7	11.3	1.7	1.8	1.8	5.8	6.4	6.3	5.7	6.4	6.6	46
4.7	4.2	4.0	7.0	7.2	7.2	1.6	1.5	1.5	5.1	5.2	5.1	9.0	8.9	9.0	47
17.6	16.9	15.6	114.5	104.7	106.2	27.9	28.2	28.1	82.7	82.5	81.8	235.3	244.9	245.4	48
(*)	(*)	(*)	5.5	4.6	4.7	(*)	(*)	(*)	(*)	(*)	(*)	11.3	9.9	9.9	49
(*)	(*)	(*)	5.8	5.5	5.5	(*)	(*)	(*)	(*)	(*)	(*)	15.5	13.6	13.6	50
(*)	(*)	(*)	7.8	6.6	6.7	(*)	(*)	(*)	7.1	6.7	6.8	17.6	17.1	17.1	51
13.6	13.6	12.4	72.4	66.3	67.1	20.9	21.0	21.1	57.8	58.8	58.2	123.8	120.3	120.4	52
2.1	2.1	(*)	7.7	7.6	(*)	1.6	1.6	(*)	5.8	5.8	(*)	13.7	13.2	(*)	53

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
-	TOTAL PRIVATE	\$252.38	\$254.88	\$262.27	\$265.52	\$266.70	\$7.17	\$7.20	\$7.58	\$7.63	\$7.62
-	MINING	424.95	420.04	454.76	453.90	451.08	9.68	9.93	10.65	10.68	10.74
10	METAL MINING	454.10	467.41	484.31	479.42	-	11.24	11.29	12.23	12.23	-
101	Iron ores	458.62	508.04	537.25	564.62	-	11.82	11.87	13.04	13.21	-
102	Copper ores	477.76	481.82	459.35	469.13	-	11.54	11.61	12.12	12.06	-
11, 12	COAL MINING	456.55	413.77	456.44	456.07	-	11.50	11.89	12.38	12.34	-
12	BITUMINOUS COAL AND LIGNITE MINING	459.69	414.67	498.04	497.68	-	11.55	11.95	12.42	12.38	-
13	OIL AND GAS EXTRACTION	429.40	427.14	449.20	447.20	-	9.50	9.45	10.14	10.21	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	449.11	443.64	490.53	477.05	-	10.77	10.69	11.82	11.75	-
138	Oil and gas field services	424.10	421.31	436.24	437.33	-	9.14	9.08	9.63	9.74	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	350.78	354.32	366.30	379.28	-	8.12	8.24	8.68	8.80	-
142	Crushed and broken stone	339.82	343.94	358.09	377.08	-	7.83	7.98	8.27	8.57	-
-	CONSTRUCTION	391.09	395.81	415.44	429.00	427.11	10.57	10.64	11.32	11.44	11.42
15	GENERAL BUILDING CONTRACTORS	347.51	350.30	370.13	379.04	-	9.68	9.65	10.31	10.30	-
152	Residential building construction	319.82	319.85	342.01	352.40	-	9.06	8.86	9.58	9.55	-
153	Operative builders	304.56	303.00	312.08	312.16	-	8.39	8.44	8.55	8.28	-
154	Nonresidential building construction	377.78	381.84	397.05	407.36	-	10.35	10.49	11.06	11.13	-
16	HEAVY CONSTRUCTION CONTRACTORS	401.20	406.02	450.96	459.19	-	9.98	10.10	11.08	11.31	-
161	Highway and street construction	368.85	389.57	376.58	401.53	-	9.13	9.41	9.23	9.89	-
162	Heavy construction, except highway	415.04	412.24	475.38	481.52	-	10.35	10.41	11.68	11.86	-
17	SPECIAL TRADE CONTRACTORS	407.21	414.60	420.07	438.37	-	11.28	11.39	11.90	12.01	-
171	Plumbing, heating, air conditioning	424.50	427.89	438.10	450.77	-	11.29	11.38	11.97	12.15	-
172	Painting, paper hanging, decorating	356.72	367.50	361.39	384.30	-	10.40	10.47	10.82	10.98	-
173	Electrical work	482.60	494.25	499.60	513.00	-	12.70	13.11	13.43	13.50	-
174	Masonry, stonework, and plastering	375.45	379.97	384.85	402.87	-	10.82	10.95	11.42	11.61	-
175	Carpentering and flooring	353.98	359.31	350.54	370.73	-	10.32	10.15	10.72	10.84	-
176	Roofing and sheet metal work	314.85	337.34	325.71	356.66	-	9.87	10.01	10.34	10.49	-
-	MANUFACTURING	317.59	320.39	325.85	329.55	333.59	7.92	7.97	8.42	8.45	8.51
24, 25, 32-39	DURABLE GOODS	343.88	346.72	350.45	355.39	359.17	8.47	8.54	8.94	9.02	9.07
20-23, 26-31	NONDURABLE GOODS	279.74	281.64	291.47	293.38	297.22	7.10	7.13	7.65	7.64	7.70
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	274.03	280.06	270.05	284.16	286.50	6.92	7.09	7.24	7.40	7.50
241	Logging camps and logging contractors	351.78	371.20	327.14	373.23	-	9.02	9.35	9.65	10.06	-
242	Sawmills and planing mills	284.40	291.27	281.25	295.67	-	7.11	7.30	7.52	7.64	-
2421	Sawmills and planing mills, general	299.55	306.83	255.09	310.79	-	7.47	7.69	7.89	8.01	-
2426	Hardwood dimension and flooring	196.71	201.20	196.88	205.35	-	4.98	5.03	5.25	5.32	-
243	Millwork, plywood, and structural members	269.00	276.11	271.32	279.08	-	6.81	6.99	7.14	7.23	-
2431	Millwork	270.97	277.29	279.85	290.08	-	6.86	7.02	7.25	7.40	-
2434	Wood kitchen cabinets	239.51	244.68	253.64	259.24	-	6.27	6.29	6.71	6.84	-
2435	Hardwood veneer and plywood	225.63	228.67	219.21	215.63	-	5.45	5.51	5.83	5.75	-
2436	Softwood veneer and plywood	327.06	339.89	315.84	331.18	-	8.28	8.76	8.40	8.47	-
244	Wood containers	213.49	212.22	207.57	212.39	-	5.46	5.40	5.55	5.56	-
245	Wood buildings and mobile homes	245.97	244.60	246.93	249.54	-	6.49	6.54	6.71	6.69	-
2451	Mobile homes	243.05	242.90	250.13	251.28	-	6.43	6.46	6.67	6.63	-
249	Miscellaneous wood products	238.50	236.19	242.97	242.58	-	5.86	5.89	6.23	6.22	-
25	FURNITURE AND FIXTURES	224.84	229.51	230.39	232.87	236.88	5.84	5.90	6.21	6.26	6.30
251	Household furniture	207.81	211.53	209.51	210.97	-	5.44	5.48	5.74	5.78	-
2511	Wood household furniture	195.16	197.46	192.39	193.50	-	5.03	5.05	5.30	5.36	-
2512	Upholstered household furniture	215.34	220.13	221.96	219.91	-	5.82	5.87	6.20	6.16	-
2514	Metal household furniture	221.26	231.60	232.65	236.90	-	5.63	5.79	5.95	6.09	-
2515	Mattresses and bedsprings	225.33	229.52	229.68	236.43	-	6.09	6.04	6.31	6.39	-
252	Office furniture	254.00	254.16	256.50	260.52	-	6.35	6.37	6.75	6.82	-
253	Public building and related furniture	256.37	269.18	272.20	266.88	-	6.54	6.63	7.07	6.95	-
254	Partitions and fixtures	268.33	276.19	283.49	289.94	-	7.08	7.10	7.48	7.61	-
259	Miscellaneous furniture and fixtures	256.07	259.23	271.66	267.63	-	6.45	6.63	6.86	6.81	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
-	TOTAL PRIVATE	35.2	35.4	34.6	34.8	35.0	-	-	-	-	-
-	MINING	43.9	42.3	42.7	42.5	42.0	-	-	-	-	-
10	METAL MINING	40.4	41.4	39.6	39.2	-	-	-	-	-	-
101	Iron ores	38.8	42.8	41.2	38.2	-	-	-	-	-	-
102	Copper ores	41.4	41.5	37.9	38.9	-	-	-	-	-	-
11, 12	COAL MINING	39.7	34.8	40.1	40.2	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	39.8	34.7	40.1	40.2	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.2	45.2	44.3	43.8	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.7	41.5	41.5	40.6	-	-	-	-	-	-
138	Oil and gas field services	46.4	46.4	45.3	44.9	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.2	43.0	42.2	43.1	-	-	-	-	-	-
142	Crushed and broken stone	43.4	43.1	43.3	44.0	-	-	-	-	-	-
-	CONSTRUCTION	37.0	37.2	36.7	37.5	37.4	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	35.9	36.3	35.9	36.8	-	-	-	-	-	-
152	Residential building construction	35.3	36.1	35.7	36.9	-	-	-	-	-	-
153	Operative builders	36.3	35.9	36.5	37.7	-	-	-	-	-	-
154	Nonresidential building construction	36.5	36.4	35.9	36.6	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	40.2	40.2	40.7	40.6	-	-	-	-	-	-
161	Highway and street construction	40.4	41.4	40.8	40.6	-	-	-	-	-	-
162	Heavy construction, except highway	40.1	39.6	40.7	40.6	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	36.1	36.4	35.3	36.5	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.6	37.6	36.6	37.1	-	-	-	-	-	-
172	Painting, paper hanging, decorating	34.3	35.1	33.4	35.0	-	-	-	-	-	-
173	Electrical work	38.0	37.7	37.2	38.0	-	-	-	-	-	-
174	Masonry, stonework, and plastering	34.7	34.7	33.7	34.7	-	-	-	-	-	-
175	Carpentering and flooring	34.3	35.4	32.7	34.2	-	-	-	-	-	-
176	Roofing and sheet metal work	31.9	33.7	31.5	34.0	-	-	-	-	-	-
-	MANUFACTURING	40.1	40.2	38.7	39.0	39.2	2.9	3.0	2.1	2.2	2.3
24, 25, 32-39	DURABLE GOODS	40.6	40.6	39.2	39.4	39.6	3.0	3.0	2.0	2.1	2.3
20-23, 28-31	NONDURABLE GOODS	39.4	39.5	38.1	38.4	38.6	2.9	2.9	2.3	2.4	2.4
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.6	39.5	37.3	38.4	38.2	2.9	2.8	2.1	2.3	-
241	Logging camps and logging contractors	39.0	39.7	33.9	37.1	-	3.7	3.8	1.9	2.8	-
242	Sawmills and planing mills	40.0	39.9	37.4	38.7	-	3.3	3.2	2.5	2.8	-
2421	Sawmills and planing mills, general	40.1	39.9	37.4	38.8	-	3.5	3.3	2.7	3.0	-
2426	Hardwood dimension and flooring	39.5	40.0	37.5	38.6	-	2.5	2.6	1.5	1.7	-
243	Millwork, plywood, and structural members	39.5	39.5	38.0	38.6	-	2.4	2.5	1.8	1.9	-
2431	Millwork	39.5	39.5	38.6	39.2	-	1.9	1.9	1.4	1.5	-
2434	Wood kitchen cabinets	38.2	38.9	37.8	37.9	-	1.3	1.8	1.3	1.4	-
2435	Hardwood veneer and plywood	41.4	41.5	37.6	37.5	-	3.9	3.7	2.1	2.1	-
2436	Softwood veneer and plywood	39.5	38.8	37.6	39.1	-	3.4	3.1	2.5	2.5	-
244	Wood containers	39.1	39.3	37.4	38.2	-	2.6	2.5	1.7	2.0	-
245	Wood buildings and mobile homes	37.9	37.4	36.8	37.3	-	1.8	1.7	1.5	1.6	-
2451	Mobile homes	37.8	37.6	37.5	37.9	-	1.3	1.2	1.7	1.7	-
249	Miscellaneous wood products	40.7	40.1	39.0	39.0	-	2.9	2.8	2.1	2.1	-
25	FURNITURE AND FIXTURES	38.5	38.9	37.1	37.2	37.6	1.9	2.0	1.3	1.3	-
251	Household furniture	38.2	38.6	36.5	36.5	-	1.9	1.8	1.0	1.2	-
2511	Wood household furniture	38.8	39.1	36.3	36.1	-	2.0	1.9	1.1	1.2	-
2512	Upholstered household furniture	37.0	37.5	35.8	35.7	-	1.1	1.3	.6	.5	-
2514	Metal household furniture	39.3	40.0	39.1	38.9	-	3.3	2.9	1.9	2.4	-
2515	Mattresses and bedspings	37.0	38.0	36.4	37.0	-	1.7	1.8	1.0	1.2	-
252	Office furniture	40.0	39.9	38.0	38.2	-	2.5	2.7	1.6	1.7	-
253	Public building and related furniture	39.2	40.6	38.5	38.4	-	2.4	2.5	1.6	1.5	-
254	Partitions and fixtures	37.9	38.9	37.9	38.1	-	1.9	2.4	1.6	1.7	-
259	Miscellaneous furniture and fixtures	39.7	39.1	39.6	39.3	-	1.4	1.5	1.9	1.6	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	\$337.02	\$342.37	\$347.93	\$355.52	\$361.42	\$8.20	\$8.31	\$8.72	\$8.80	\$8.88
321	Flat glass	440.50	483.76	489.77	507.07	-	10.64	11.07	11.47	11.63	-
322	Glass and glassware, pressed or blown	360.39	360.67	371.45	379.89	-	8.79	8.84	9.38	9.45	-
3221	Glass containers	385.54	387.09	391.82	408.29	-	9.29	9.35	9.82	9.91	-
3229	Pressed and blown glass, nec	324.01	322.79	341.43	337.56	-	8.06	8.09	8.71	8.70	-
323	Products of purchased glass	296.40	295.47	315.22	320.80	-	7.41	7.35	7.94	7.98	-
324	Cement, hydraulic	459.41	476.35	497.70	514.60	-	11.26	11.59	12.08	12.46	-
325	Structural clay products	266.34	270.80	287.03	290.97	-	6.56	6.67	7.23	7.22	-
326	Pottery and related products	268.49	268.62	278.02	282.90	-	6.78	6.87	7.24	7.31	-
327	Concrete, gypsum, and plaster products	338.97	344.40	345.14	352.26	-	8.09	8.20	8.48	8.55	-
3271	Concrete block and brick	314.89	314.49	314.23	325.13	-	7.34	7.47	7.59	7.65	-
3272	Concrete products, nec	298.91	307.94	313.70	318.66	-	7.10	7.28	7.67	7.66	-
3273	Ready-mixed concrete	367.69	373.27	370.66	380.84	-	8.99	9.06	9.36	9.45	-
329	Misc. nonmetallic mineral products	334.54	339.49	334.84	338.84	-	8.12	8.22	8.52	8.60	-
3291	Abrasive products	321.36	320.33	317.30	324.23	-	7.80	7.89	8.35	8.51	-
3292	Asbestos products	348.19	354.05	334.66	342.13	-	8.31	8.37	8.67	8.75	-
33	PRIMARY METAL INDUSTRIES	436.81	439.68	434.99	430.11	443.39	10.68	10.75	11.24	11.23	11.34
331	Blast furnace and basic steel products	504.68	505.51	504.24	491.61	-	12.40	12.39	13.20	13.18	-
3312	Blast furnaces and steel mills	520.76	521.24	524.26	509.49	-	12.89	12.87	13.76	13.77	-
3317	Steel pipe and tubes	428.08	427.38	411.34	403.56	-	10.12	10.20	10.74	10.62	-
332	Iron and steel foundries	357.40	365.48	352.50	351.17	-	8.98	9.16	9.40	9.44	-
3321	Gray iron foundries	361.03	377.20	354.89	358.08	-	9.21	9.43	9.54	9.60	-
3322	Malleable iron foundries	373.18	379.06	381.58	389.72	-	9.52	9.67	10.23	10.31	-
3325	Steel foundries, nec	350.66	343.31	343.52	331.03	-	8.47	8.54	9.04	9.02	-
333	Primary nonferrous metals	480.46	491.47	508.47	512.27	-	11.69	11.90	12.68	12.68	-
3334	Primary aluminum	515.42	522.34	545.80	547.29	-	12.48	12.74	13.51	13.48	-
335	Nonferrous rolling and drawing	406.73	410.31	406.42	407.63	-	9.57	9.70	10.06	10.14	-
3351	Copper rolling and drawing	368.93	366.37	349.60	352.44	-	8.54	8.58	8.74	8.90	-
3353	Aluminum sheet, plate, and foil	514.11	535.82	548.22	559.24	-	12.04	12.49	13.21	13.64	-
3357	Nonferrous wire drawing and insulating	371.36	368.26	371.45	365.32	-	8.80	8.81	9.24	9.21	-
336	Nonferrous foundries	323.57	323.58	324.31	330.46	-	7.95	7.97	8.38	8.43	-
3361	Aluminum foundries	332.11	329.67	332.13	338.30	-	8.14	8.14	8.56	8.63	-
34	FABRICATED METAL PRODUCTS	332.11	335.78	338.91	346.33	349.27	8.16	8.23	8.69	8.79	8.82
341	Metal cans and shipping containers	471.73	478.51	456.05	499.48	-	10.77	10.90	11.59	11.67	-
3411	Metal cans	489.92	496.57	517.29	520.30	-	11.16	11.26	12.03	12.10	-
342	Cutlery, hand tools, and hardware	312.82	315.21	316.36	325.33	-	7.84	7.90	8.26	8.45	-
3423.5	Hand and edge tools, and hand saws and blades	297.60	298.28	297.16	296.32	-	7.44	7.42	7.82	7.86	-
3429	Hardware, nec	328.75	331.89	331.68	348.54	-	8.26	8.36	8.66	8.96	-
343	Plumbing and heating, except electric	280.35	287.89	297.61	294.50	-	7.17	7.27	7.71	7.75	-
3432	Plumbing fittings and brass goods	274.00	282.40	288.67	285.34	-	6.85	6.99	7.44	7.45	-
3433	Heating equipment, except electric	273.56	283.42	299.93	297.97	-	7.18	7.23	7.75	7.78	-
344	Fabricated structural metal products	315.97	317.58	327.71	334.77	-	7.86	7.90	8.49	8.54	-
3441	Fabricated structural metal	335.36	335.79	346.33	357.29	-	8.12	8.19	8.79	8.91	-
3442	Metal doors, sash, and trim	248.96	252.41	254.55	266.06	-	6.40	6.39	6.77	6.77	-
3443	Fabricated plate work (boiler shops)	352.19	351.65	371.15	371.78	-	8.59	8.64	9.42	9.46	-
3444	Sheet metal work	314.82	318.75	330.53	335.34	-	7.97	8.09	8.63	8.71	-
3446	Architectural metal work	290.60	292.47	306.91	315.90	-	7.32	7.33	7.91	8.10	-
345	Screw machine products, bolts, etc.	312.53	315.29	309.89	317.07	-	7.66	7.69	8.07	8.13	-
3451	Screw machine products	284.80	286.22	292.47	294.45	-	7.12	7.12	7.48	7.55	-
3452	Bolts, nuts, rivets, and washers	338.21	341.94	326.59	339.78	-	8.13	8.20	8.64	8.69	-
346	Metal forgings and stampings	395.50	403.37	392.83	406.63	-	9.53	9.65	9.92	10.09	-
3462	Iron and steel forgings	412.68	413.11	413.11	425.80	-	10.09	10.15	10.73	10.89	-
3465	Automotive stampings	496.50	510.12	482.65	501.40	-	11.44	11.62	11.63	11.77	-
3469	Metal stampings, nec	287.68	292.58	297.20	302.23	-	7.21	7.26	7.78	7.85	-
347	Metal services, nec	264.31	264.31	267.11	269.04	-	6.51	6.51	6.92	6.97	-
3471	Plating and polishing	254.63	255.27	263.04	264.11	-	6.43	6.43	6.85	6.86	-
3479	Metal coating and allied services	286.33	284.33	276.12	279.03	-	6.69	6.69	7.08	7.21	-
348	Ordnance and accessories, nec	334.15	331.30	360.45	363.04	-	8.15	8.14	8.90	8.92	-
3483	Ammunition, exc. for small arms, nec	295.07	294.08	323.60	329.26	-	7.47	7.56	8.09	8.09	-
349	Misc. fabricated metal products	308.21	310.27	311.71	317.63	-	7.61	7.68	8.16	8.25	-
3494	Valves and pipe fittings	334.12	329.27	335.14	335.23	-	8.09	8.13	8.66	8.73	-
3496	Misc. fabricated wire products	268.80	275.52	267.75	274.18	-	6.67	6.72	7.14	7.14	-
35	MACHINERY, EXCEPT ELECTRICAL	359.68	361.27	367.75	367.49	369.86	8.73	8.79	9.24	9.28	9.34
351	Engines and turbines	436.56	440.78	434.60	435.34	-	10.70	10.83	11.23	11.22	-
3511	Turbines and turbine generator sets	383.66	395.11	415.36	418.08	-	9.52	9.78	10.41	10.40	-
3519	Internal combustion engines, nec	457.56	458.18	444.27	442.72	-	11.16	11.23	11.63	11.62	-
352	Farm and garden machinery	395.52	400.77	397.77	406.61	-	9.79	9.92	10.07	10.32	-
3523	Farm machinery and equipment	413.31	413.91	420.79	434.32	-	10.18	10.22	10.68	10.94	-
353	Construction and related machinery	397.94	397.57	415.54	404.19	-	9.52	9.58	10.16	10.13	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	41.1	41.2	39.9	40.4	40.7	3.9	4.1	3.4	3.5	-
321	Flat glass	41.4	43.7	42.7	43.6	-	3.7	5.1	3.9	4.4	-
322	Glass and glassware, pressed or blown	41.0	40.8	39.6	40.2	-	3.9	4.2	4.0	3.9	-
3221	Glass containers	41.5	41.4	39.9	41.2	-	4.3	4.7	4.9	4.8	-
3229	Pressed and blown glass, nec	40.2	35.9	39.2	38.8	-	3.4	3.5	2.7	2.6	-
323	Products of purchased glass	40.0	40.2	39.7	40.2	-	3.1	3.2	2.3	3.0	-
324	Cement, hydraulic	40.8	41.1	41.2	41.3	-	3.2	3.1	2.8	2.7	-
325	Structural clay products	40.6	40.6	39.7	40.3	-	3.0	3.0	2.4	2.4	-
326	Pottery and related products	39.6	39.1	38.4	38.7	-	2.0	1.8	1.8	1.7	-
327	Concrete, gypsum, and plaster products	41.9	42.0	40.7	41.2	-	5.3	5.3	4.7	4.9	-
3271	Concrete block and brick	42.9	42.1	41.4	42.5	-	5.2	4.8	4.1	5.0	-
3272	Concrete products, nec	42.1	42.3	40.9	41.6	-	4.6	4.8	4.3	4.4	-
3273	Ready-mixed concrete	40.9	41.2	39.6	40.3	-	5.4	5.6	4.9	5.2	-
329	Misc. nonmetallic mineral products	41.2	41.3	39.3	39.4	-	3.4	3.6	2.4	2.4	-
3291	Abrasive products	41.2	40.6	38.0	36.1	-	3.0	3.1	1.5	1.4	-
3292	Asbestos products	41.9	42.3	38.6	39.1	-	3.1	3.6	1.8	1.9	-
33	PRIMARY METAL INDUSTRIES	40.9	40.9	38.7	38.3	39.1	3.2	3.3	1.9	1.9	-
331	Blast furnace and basic steel products	40.7	40.8	38.2	37.3	-	2.9	3.0	1.4	1.2	-
3312	Blast furnaces and steel mills	40.4	40.5	38.1	37.0	-	2.7	2.8	1.3	1.2	-
3317	Steel pipe and tubes	42.3	41.9	38.3	38.0	-	4.6	4.4	2.2	1.5	-
332	Iron and steel foundries	39.8	39.9	37.5	37.2	-	3.0	3.2	1.8	2.0	-
3321	Gray iron foundries	39.2	40.0	37.2	37.3	-	3.1	3.6	1.9	2.3	-
3322	Malleable iron foundries	39.2	39.2	37.3	37.8	-	2.4	2.6	1.8	1.9	-
3325	Steel foundries, nec	41.4	40.2	38.0	36.7	-	3.0	2.6	1.5	1.3	-
333	Primary nonferrous metals	41.1	41.3	40.1	40.4	-	3.2	3.3	2.8	2.6	-
3334	Primary aluminum	41.3	41.0	40.4	40.6	-	3.5	3.5	3.9	3.1	-
335	Nonferrous rolling and drawing	42.5	42.3	40.4	40.2	-	4.8	4.7	3.0	2.8	-
3351	Copper rolling and drawing	43.2	42.7	40.0	39.6	-	5.5	4.9	2.6	2.5	-
3353	Aluminum sheet, plate and foil	42.7	42.9	41.5	41.0	-	5.9	6.0	4.3	4.1	-
3357	Nonferrous wire drawing and insulating	42.2	41.8	40.2	40.1	-	4.8	4.7	2.9	2.7	-
336	Nonferrous foundries	40.7	40.6	38.7	39.2	-	2.6	2.7	1.7	1.9	-
3361	Aluminum foundries	40.8	40.5	38.8	39.2	-	2.8	2.9	1.9	1.9	-
34	FABRICATED METAL PRODUCTS	40.7	40.8	39.0	39.4	39.6	2.9	3.1	1.9	2.1	-
341	Metal cans and shipping containers	43.8	43.9	42.8	42.8	-	4.5	4.9	3.9	3.9	-
3411	Metal cans	44.1	44.1	43.0	43.0	-	4.3	4.7	3.9	3.9	-
342	Cutlery, hand tools, and hardware	39.9	39.9	38.3	38.5	-	2.6	2.6	1.1	1.4	-
3423, 5	Hand and edge tools, and hand saws and blades	40.0	40.2	38.0	37.7	-	2.5	2.5	1.1	1.0	-
3429	Hardware, nec	39.8	39.7	38.3	38.9	-	2.8	2.8	1.0	1.6	-
343	Plumbing and heating, except electric	39.1	39.6	38.6	38.0	-	1.7	2.2	1.1	1.1	-
3432	Plumbing fittings and brass goods	40.0	40.4	38.8	38.3	-	2.2	2.7	1.2	1.4	-
3433	Heating equipment, except electric	38.1	39.2	38.7	38.3	-	1.1	1.6	1.0	.8	-
344	Fabricated structural metal products	40.2	40.2	38.6	39.2	-	2.5	2.7	1.8	2.0	-
3441	Fabricated structural metal	41.3	41.0	39.4	40.1	-	2.9	2.9	2.1	2.4	-
3442	Metal doors, sash, and trim	38.9	38.5	37.6	39.3	-	2.1	2.2	1.4	1.9	-
3443	Fabricated plate work (boiler shops)	41.0	40.7	39.4	39.3	-	2.9	3.0	2.0	1.9	-
3444	Sheet metal work	39.5	39.4	38.3	38.5	-	2.3	2.4	1.7	1.8	-
3446	Architectural metal work	39.7	39.9	38.8	39.0	-	1.8	2.2	1.7	1.7	-
345	Screw machine products, bolts, etc.	40.8	41.0	38.4	39.0	-	3.1	3.1	1.5	1.5	-
3451	Screw machine products	40.0	40.2	39.1	39.0	-	2.8	2.9	1.7	1.6	-
3452	Bolts, nuts, rivets, and washers	41.6	41.7	37.8	39.1	-	3.3	3.3	1.2	1.5	-
346	Metal forgings and stampings	41.5	41.8	39.6	40.3	-	3.9	4.2	2.3	2.9	-
3462	Iron and steel forgings	40.9	40.7	38.5	39.1	-	3.3	3.4	1.8	2.1	-
3465	Automotive stampings	43.4	43.9	41.5	42.6	-	5.4	5.9	3.3	4.4	-
3469	Metal stampings, nec	39.9	40.3	38.2	38.5	-	2.6	2.8	1.6	1.7	-
347	Metal services, nec	40.6	40.6	38.6	38.6	-	2.8	2.8	2.2	2.2	-
3471	Plating and polishing	39.6	39.7	38.4	38.5	-	2.7	2.9	2.2	2.2	-
3479	Metal coating and allied services	42.8	42.5	39.0	38.7	-	2.9	2.7	2.2	2.2	-
348	Ordnance and accessories, nec	41.0	40.7	40.5	40.7	-	2.7	2.7	2.4	2.4	-
3483	Ammunition, exc. for small arms, nec	39.5	38.9	40.0	40.7	-	1.7	1.8	1.6	1.9	-
349	Misc. fabricated metal products	40.5	40.4	38.2	38.5	-	2.8	2.9	1.5	1.5	-
3494	Valves and pipe fittings	41.3	40.5	38.7	38.4	-	3.5	3.2	1.8	1.5	-
3496	Misc. fabricated wire products	40.3	41.0	37.5	38.4	-	2.5	2.9	1.4	1.4	-
35	MACHINERY, EXCEPT ELECTRICAL	41.2	41.1	39.8	39.6	39.6	3.3	3.4	2.1	2.0	-
351	Engines and turbines	40.8	40.7	38.7	38.8	-	3.4	3.5	1.1	1.2	-
3511	Turbines and turbine generator sets	40.3	40.4	39.9	40.2	-	3.1	3.4	2.5	2.5	-
3519	Internal combustion engines, nec	41.0	40.8	38.2	38.1	-	3.5	3.5	.5	.6	-
352	Farm and garden machinery	40.4	40.4	39.5	39.4	-	3.4	3.4	1.7	1.8	-
3523	Farm machinery and equipment	40.6	40.5	39.4	39.7	-	3.7	3.7	1.8	2.0	-
353	Construction and related machinery	41.8	41.5	40.9	39.9	-	3.5	3.5	2.2	1.9	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	\$433.61	\$434.00	\$462.24	\$440.45	-	\$10.68	\$10.85	\$11.47	\$11.47	-
3532	Mining machinery	382.96	384.56	398.11	357.26	-	9.55	9.59	10.13	10.16	-
3533	Oil field machinery	410.87	408.10	422.26	411.45	-	9.03	9.00	9.82	9.75	-
3535	Conveyers and conveying equipment	324.92	332.59	342.68	343.26	-	8.31	8.42	8.61	8.69	-
3537	Industrial trucks and tractors	311.42	320.10	325.88	327.49	-	8.11	8.25	8.69	8.78	-
354	Metalworking machinery	371.65	374.17	376.91	375.41	-	8.87	8.93	9.47	9.48	-
3541	Machine tools, metal cutting types	380.70	382.69	382.78	375.39	-	9.00	9.09	9.74	9.70	-
3542	Machine tools, metal forming types	366.51	366.03	377.48	372.25	-	9.14	9.22	9.96	9.98	-
3544	Special dies, tools, jigs, and fixtures	400.35	408.89	406.37	408.00	-	9.42	9.46	9.96	10.00	-
3545	Machine tool accessories	336.54	336.19	333.80	331.30	-	8.09	8.16	8.67	8.65	-
3546	Power driven hand tools	283.35	280.91	304.18	299.15	-	7.21	7.24	7.74	7.77	-
355	Special industry machinery	333.73	334.55	349.58	352.54	-	8.12	8.14	8.85	8.88	-
3551	Food products machinery	349.25	348.35	362.22	373.86	-	8.56	8.58	9.17	9.30	-
3552	Textile machinery	265.58	272.24	267.08	268.28	-	6.59	6.64	7.01	7.06	-
3555	Printing trades machinery	353.98	351.88	367.23	360.64	-	8.29	8.26	9.25	9.13	-
356	General industrial machinery	355.47	355.42	355.16	359.72	-	8.67	8.69	9.13	9.20	-
3561	Pumps and pumping equipment	354.24	354.97	359.08	365.16	-	8.79	8.83	9.40	9.46	-
3562	Ball and roller bearings	365.06	364.17	354.32	352.56	-	8.61	8.65	8.97	9.11	-
3563	Air and gas compressors	380.87	387.66	381.40	403.57	-	9.09	9.23	9.83	9.95	-
3564	Blowers and fans	317.18	318.33	337.68	341.47	-	7.89	7.86	8.40	8.39	-
3566	Speed changers, drives, and gears	410.01	406.39	365.18	369.98	-	9.67	9.63	9.61	9.66	-
3568	Power transmission equipment, nec	343.21	344.45	334.14	328.48	-	8.29	8.30	8.77	8.69	-
357	Office and computing machines	303.32	305.78	317.83	323.90	-	7.38	7.44	7.79	7.90	-
3573	Electronic computing equipment	300.94	303.73	316.52	325.78	-	7.34	7.39	7.72	7.85	-
358	Refrigeration and service machinery	316.36	320.78	333.66	337.45	-	7.85	7.94	8.49	8.50	-
3585	Refrigeration and heating equipment	326.01	332.93	345.31	344.92	-	8.01	8.14	8.72	8.71	-
359	Misc. machinery, except electrical	345.63	346.01	350.27	348.27	-	8.43	8.46	8.89	8.93	-
3592	Carburetors, pistons, rings, valves	410.85	412.68	416.47	400.38	-	9.90	10.09	10.36	10.24	-
3599	Machinery, except electrical, nec	335.79	335.38	340.73	340.47	-	8.19	8.20	8.67	8.73	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	301.15	303.91	313.17	315.95	\$318.75	7.51	7.56	8.03	8.06	\$8.09
361	Electric distributing equipment	299.09	300.00	298.32	301.42	-	7.44	7.50	7.83	7.87	-
3612	Transformers	296.53	294.44	293.36	301.86	-	7.25	7.27	7.72	7.74	-
3613	Switchgear and switchboard apparatus	300.96	304.52	302.93	300.85	-	7.60	7.69	7.93	7.98	-
362	Electrical industrial apparatus	318.61	320.17	312.48	319.71	-	7.79	7.79	8.18	8.24	-
3621	Motors and generators	318.24	319.02	315.79	329.11	-	7.80	7.80	8.16	8.29	-
3622	Industrial controls	301.68	303.91	294.62	294.75	-	7.58	7.56	7.92	7.86	-
363	Household appliances	294.84	297.92	302.44	295.42	-	7.56	7.60	7.98	7.92	-
3632	Household refrigerators and freezers	336.40	341.73	362.31	332.88	-	8.67	8.74	9.29	9.12	-
3633	Household laundry equipment	343.77	348.93	359.28	361.95	-	8.86	8.97	9.53	9.55	-
3634	Electric housewares and fans	231.46	231.08	228.41	231.13	-	5.95	5.91	6.19	6.18	-
364	Electric lighting and wiring equipment	280.40	281.60	296.77	302.99	-	7.01	7.04	7.59	7.69	-
3641	Electric lamps	312.35	314.77	333.43	336.44	-	7.77	7.83	8.42	8.39	-
3643	Current-carrying wiring devices	267.55	266.90	280.60	283.61	-	6.59	6.59	7.18	7.18	-
3644	Noncurrent-carrying wiring devices	295.08	301.39	294.10	291.78	-	7.25	7.28	7.76	7.76	-
3645	Residential lighting fixtures	216.01	217.14	231.57	230.49	-	5.64	5.64	6.11	6.13	-
365	Radio and TV receiving equipment	276.98	281.00	257.97	292.11	-	7.03	7.15	7.66	7.49	-
3651	Radio and TV receiving sets	286.69	288.99	301.82	298.38	-	7.37	7.41	7.86	7.71	-
366	Communication equipment	344.61	347.54	370.94	375.20	-	8.53	8.56	9.32	9.38	-
3661	Telephone and telegraph apparatus	357.35	359.10	375.09	372.40	-	8.78	8.78	9.52	9.50	-
3662	Radio and TV communication equipment	335.64	340.17	368.92	376.12	-	8.37	8.42	9.20	9.31	-
367	Electronic components and accessories	260.80	265.86	274.79	278.16	-	6.52	6.63	7.01	7.06	-
3671-3	Electronic tubes	332.52	335.36	356.25	360.93	-	8.15	8.26	8.84	8.89	-
3674	Semiconductors and related devices	297.27	313.59	308.44	313.21	-	7.34	7.63	7.97	7.99	-
3679	Electronic components, nec	243.18	244.77	261.23	263.87	-	6.11	6.15	6.58	6.63	-
369	Misc. electrical equipment and supplies	344.25	346.72	343.96	349.44	-	8.50	8.54	8.73	8.78	-
3691	Storage batteries	335.64	338.04	343.42	348.93	-	8.37	8.43	8.92	8.97	-
3694	Engine electrical equipment	388.80	393.56	368.83	373.84	-	9.72	9.79	9.58	9.66	-
37	TRANSPORTATION EQUIPMENT	429.73	432.63	441.05	454.69	464.39	10.33	10.45	10.89	11.09	11.19
371	Motor vehicles and equipment	464.62	469.56	465.61	487.89	-	11.01	11.18	11.44	11.70	-
3711	Motor vehicles and car bodies	521.79	522.86	529.31	556.29	-	12.22	12.39	12.91	13.12	-
3713	Truck and bus bodies	345.60	364.10	362.20	365.71	-	8.64	8.99	9.01	9.12	-
3714	Motor vehicle parts and accessories	440.11	446.69	437.93	458.02	-	10.38	10.56	10.76	11.01	-
3715	Truck trailers	278.60	280.10	302.54	296.66	-	7.39	7.41	7.92	7.89	-
372	Aircraft and parts	421.64	421.67	446.07	452.23	-	10.16	10.21	10.96	11.03	-
3721	Aircraft	437.60	437.78	464.54	473.69	-	10.57	10.60	11.47	11.61	-
3724	Aircraft engines and engine parts	414.10	412.80	444.29	440.36	-	10.25	10.32	10.97	10.90	-
3728	Aircraft equipment, nec	396.76	397.03	413.59	423.19	-	9.27	9.32	9.99	10.10	-
373	Ship and boat building and repairing	359.86	353.20	380.65	383.04	-	8.82	8.83	9.54	9.60	-
3731	Shipbuilding and repairing	373.01	366.68	400.79	-	-	9.21	9.19	9.97	-	-
3732	Boat building and repairing	307.75	302.25	304.20	301.86	-	7.38	7.50	7.80	7.76	-
374	Railroad equipment	423.44	419.82	424.85	432.43	-	10.72	10.82	11.39	11.44	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
		MACHINERY, EXCEPT ELECTRICAL—Continued									
3531	Construction machinery	40.6	40.0	40.3	38.4	-	2.0	1.8	0.9	0.7	-
3532	Mining machinery	40.1	40.1	39.3	39.1	-	2.1	2.1	1.5	1.3	-
3533	Oil field machinery	45.5	44.9	43.0	42.2	-	6.4	6.3	3.8	3.0	-
3535	Conveyers and conveying equipment	39.1	39.5	39.8	39.5	-	2.4	2.9	2.1	2.1	-
3537	Industrial trucks and tractors	38.4	38.8	37.5	37.3	-	2.1	2.7	1.1	1.3	-
354	Metalworking machinery	41.9	41.9	39.8	39.6	-	4.3	4.2	2.8	2.6	-
3541	Machine tools, metal cutting types	42.3	42.1	39.3	38.7	-	4.8	4.8	2.2	1.5	-
3542	Machine tools, metal forming types	40.1	39.7	37.9	37.3	-	3.0	2.7	1.4	1.4	-
3544	Special dies, tools, jigs, and fixtures	42.5	42.8	40.8	40.8	-	5.2	5.0	4.1	4.1	-
3545	Machine tool accessories	41.6	41.2	38.5	38.3	-	3.6	3.4	1.5	1.2	-
3546	Power driven hand tools	39.3	38.8	39.3	38.5	-	1.9	2.1	1.6	1.4	-
355	Special industry machinery	41.1	41.1	39.5	39.7	-	2.8	2.8	2.2	2.0	-
3551	Food products machinery	40.8	40.6	39.5	40.2	-	2.1	2.2	2.0	2.1	-
3552	Textile machinery	40.3	41.0	38.1	36.0	-	2.1	2.2	.9	.9	-
3555	Printing trades machinery	42.7	42.6	39.7	39.5	-	3.8	3.7	2.8	2.6	-
356	General industrial machinery	41.0	40.9	38.9	39.1	-	3.2	3.2	1.6	1.6	-
3561	Pumps and pumping equipment	40.3	40.2	38.2	38.6	-	3.1	3.0	1.5	1.4	-
3562	Ball and roller bearings	42.4	42.1	39.5	38.7	-	3.9	3.6	1.8	1.4	-
3563	Air and gas compressors	41.9	42.0	38.8	40.6	-	3.3	3.3	2.1	2.6	-
3564	Blowers and fans	40.2	40.5	40.2	40.7	-	2.9	3.2	2.2	2.1	-
3566	Speed changers, drives, and gears	42.4	42.2	38.0	38.3	-	4.3	4.4	1.0	1.0	-
3568	Power transmission equipment, nec	41.4	41.5	38.1	37.8	-	3.5	4.1	1.0	1.1	-
357	Office and computing machines	41.1	41.1	40.8	41.0	-	2.4	2.6	1.9	2.2	-
3573	Electronic computing equipment	41.0	41.1	41.0	41.5	-	2.5	2.7	2.0	2.4	-
358	Refrigeration and service machinery	40.3	40.4	39.3	39.7	-	2.5	2.7	1.6	1.9	-
3585	Refrigeration and heating equipment	40.7	40.9	39.6	39.6	-	2.4	2.8	1.7	1.6	-
359	Misc. machinery, except electrical	41.0	40.9	39.4	39.0	-	3.7	3.9	2.7	2.4	-
3592	Carburetors, pistons, rings, valves	41.5	40.9	40.2	39.1	-	2.9	3.3	2.4	1.7	-
3599	Machinery, except electrical, nec	41.0	40.9	39.3	39.0	-	3.9	4.0	2.7	2.5	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	40.1	40.2	39.0	39.2	39.4	2.3	2.3	1.5	1.7	-
361	Electric distributing equipment	40.2	40.0	38.1	38.3	-	2.7	2.7	1.4	1.5	-
3612	Transformers	40.9	40.5	38.0	39.0	-	2.7	2.6	1.5	1.6	-
3613	Switchgear and switchboard apparatus	39.6	39.6	38.2	37.7	-	2.7	2.8	1.3	1.3	-
362	Electrical industrial apparatus	40.9	41.1	38.2	38.8	-	2.8	2.9	1.4	1.6	-
3621	Motors and generators	40.8	40.9	38.7	39.7	-	2.8	3.0	1.5	1.9	-
3622	Industrial controls	39.8	40.2	37.2	37.5	-	2.0	2.3	.9	1.0	-
363	Household appliances	39.0	39.2	37.9	37.3	-	1.6	1.8	1.0	1.1	-
3632	Household refrigerators and freezers	38.8	39.1	39.0	36.5	-	1.5	1.5	1.1	1.0	-
3633	Household laundry equipment	38.8	38.9	37.7	37.9	-	.7	1.1	.6	.5	-
3634	Electric housewares and fans	38.9	39.1	36.9	37.4	-	1.5	1.8	1.0	.9	-
364	Electric lighting and wiring equipment	40.0	40.0	39.1	39.4	-	2.3	2.4	1.5	1.8	-
3641	Electric lamps	40.2	40.2	39.6	40.1	-	2.0	2.2	1.5	1.5	-
3643	Current-carrying wiring devices	40.6	40.5	39.3	39.5	-	2.9	2.8	1.6	1.9	-
3644	Noncurrent-carrying wiring devices	40.7	41.4	37.9	37.6	-	2.5	2.8	1.0	.8	-
3645	Residential lighting fixtures	38.3	38.5	37.9	37.6	-	1.5	1.5	1.1	1.0	-
365	Radio and TV receiving equipment	39.4	39.3	38.9	39.0	-	1.9	1.5	.9	1.1	-
3651	Radio and TV receiving sets	38.9	39.0	38.4	38.7	-	1.8	1.7	.7	1.2	-
366	Communication equipment	40.4	40.6	39.8	40.0	-	2.1	2.2	1.6	1.7	-
3661	Telephone and telegraph apparatus	40.7	40.9	39.4	39.2	-	2.2	2.1	1.4	1.1	-
3662	Radio and TV communication equipment	40.1	40.4	40.1	40.4	-	2.0	2.2	1.7	2.0	-
367	Electronic components and accessories	40.0	40.1	39.2	39.4	-	2.3	2.3	1.9	2.1	-
3671-3	Electronic tubes	40.8	40.6	40.3	40.6	-	1.8	1.9	1.6	1.7	-
3674	Semiconductors and related devices	40.5	41.1	38.7	39.2	-	2.4	2.5	2.0	2.4	-
3679	Electronic components, nec	39.8	39.8	39.7	39.8	-	2.4	2.4	2.0	2.1	-
369	Misc. electrical equipment and supplies	40.5	40.6	39.4	39.8	-	2.5	2.4	1.8	1.9	-
3691	Storage batteries	40.1	40.1	38.5	38.9	-	1.9	2.0	1.2	1.5	-
3694	Engine electrical equipment	40.0	40.2	38.5	36.7	-	2.4	2.3	1.5	1.8	-
37	TRANSPORTATION EQUIPMENT	41.6	41.4	40.5	41.0	41.5	3.7	3.6	2.5	3.0	-
371	Motor vehicles and equipment	42.2	42.0	40.7	41.7	-	4.1	4.0	2.4	3.4	-
3711	Motor vehicles and car bodies	42.7	42.2	41.0	42.4	-	4.6	4.1	2.3	3.6	-
3713	Truck and bus bodies	40.0	40.5	40.2	40.1	-	2.5	3.4	1.8	1.9	-
3714	Motor vehicle parts and accessories	42.4	42.3	40.7	41.6	-	4.0	4.1	2.7	3.5	-
3715	Truck trailers	37.7	37.8	38.2	37.6	-	1.7	1.6	.9	.6	-
372	Aircraft and parts	41.5	41.3	40.7	41.0	-	3.5	3.5	2.7	2.8	-
3721	Aircraft	41.4	41.3	40.5	40.8	-	3.1	3.2	2.2	2.3	-
3724	Aircraft engines and engine parts	40.4	40.0	40.5	40.4	-	3.4	3.3	3.0	3.1	-
3728	Aircraft equipment, nec	42.8	42.6	41.4	41.9	-	4.4	4.4	3.3	3.3	-
373	Ship and boat building and repairing	40.8	40.0	39.9	39.9	-	3.6	3.3	2.4	2.6	-
3731	Ship building and repairing	40.5	39.9	40.2	-	-	3.4	3.2	2.6	-	-
3732	Boat building and repairing	41.7	40.3	39.0	38.9	-	4.3	3.6	1.8	1.5	-
374	Railroad equipment	39.5	38.8	37.3	37.8	-	2.1	2.4	1.2	1.5	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982F	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$401.88	\$413.25	\$428.13	\$440.10	-	\$9.85	\$9.91	\$10.65	\$10.84	-
3781	Guided missiles and space vehicles	408.44	422.69	434.62	449.56	-	10.11	10.21	10.92	11.11	-
379	Miscellaneous transportation equipment	302.74	299.25	358.52	365.03	-	7.42	7.50	8.66	8.86	-
3792	Travel trailers and campers	266.23	256.23	299.83	302.61	-	6.74	6.69	7.61	7.70	-
38	INSTRUMENTS AND RELATED PRODUCTS	294.19	296.13	318.77	327.60	\$325.56	7.30	7.33	8.07	8.19	\$8.18
381	Engineering and scientific instruments	312.83	317.24	332.07	332.83	-	7.63	7.70	8.24	8.30	-
382	Measuring and controlling devices	290.48	291.77	317.49	337.64	-	7.19	7.24	8.12	8.42	-
3822	Environmental controls	267.34	272.53	288.77	290.68	-	6.82	6.97	7.52	7.55	-
3823	Process control instruments	307.44	310.86	324.00	332.93	-	7.20	7.28	8.00	8.16	-
3825	Instruments to measure electricity	296.46	294.23	341.73	380.14	-	7.43	7.43	8.74	9.34	-
383	Optical instruments and lenses	301.84	311.89	329.11	334.46	-	7.70	7.72	8.29	8.32	-
384	Medical instruments and supplies	252.57	253.76	268.41	272.65	-	6.33	6.36	6.90	6.92	-
3841	Surgical and medical instruments	253.53	253.53	275.58	278.78	-	6.26	6.26	7.03	7.04	-
3842	Surgical appliances and supplies	251.66	254.63	262.87	268.52	-	6.42	6.43	6.81	6.85	-
385	Ophthalmic goods	224.07	223.20	230.44	234.21	-	5.56	5.58	5.97	5.99	-
386	Photographic equipment and supplies	398.52	396.76	436.13	432.41	-	9.72	9.63	10.56	10.47	-
387	Watches, clocks, and watchcases	224.19	225.19	236.29	243.43	-	5.69	5.73	6.09	6.21	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	230.29	230.88	242.57	245.63	247.81	5.92	5.92	6.35	6.38	6.42
391	Jewelry, silverware, and plated ware	239.91	243.21	257.87	258.25	-	6.33	6.35	6.84	6.85	-
3911	Jewelry, precious metal	235.59	238.99	253.92	254.61	-	6.35	6.39	6.90	6.90	-
393	Musical instruments	221.94	220.98	238.26	240.91	-	5.81	5.80	6.27	6.29	-
394	Toys and sporting goods	216.46	217.40	231.77	232.59	-	5.48	5.49	6.02	6.01	-
3942, 4	Dolls, games, toys, and children's vehicles	205.11	205.92	218.28	215.84	-	5.30	5.28	5.79	5.71	-
3949	Sporting and athletic goods, nec	227.13	228.57	243.20	247.27	-	5.65	5.70	6.22	6.26	-
395	Pens, pencils, office and art supplies	239.60	242.61	262.00	260.04	-	6.02	6.05	6.55	6.60	-
396	Costume jewelry and notions	197.37	198.39	206.05	208.44	-	5.10	5.10	5.38	5.40	-
3961	Costume jewelry	179.73	181.74	156.95	198.07	-	4.78	4.77	5.05	5.04	-
399	Miscellaneous manufactures	250.13	248.97	253.64	261.21	-	6.48	6.45	6.71	6.82	-
3993	Signs and advertising displays	266.34	267.80	281.51	281.92	-	6.90	6.92	7.35	7.38	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	294.18	294.18	306.52	310.47	312.44	7.41	7.41	7.90	7.90	7.89
201	Meat products	293.72	289.54	290.32	292.99	-	7.38	7.33	7.64	7.61	-
2011	Meat packing plants	368.40	360.33	366.11	354.49	-	8.92	8.81	9.13	9.02	-
2013	Sausages and other prepared meats	349.60	344.52	341.64	366.28	-	8.74	8.70	8.92	9.18	-
2016	Poultry dressing plants	183.74	182.30	181.41	188.93	-	4.81	4.81	5.11	5.12	-
202	Dairy products	304.71	310.01	327.16	330.81	-	7.45	7.47	7.96	8.01	-
2022	Cheese, natural and processed	277.22	289.67	300.05	302.48	-	7.09	7.17	7.52	7.60	-
2026	Fluid milk	319.25	323.59	341.13	344.87	-	7.73	7.76	8.22	8.31	-
203	Preserved fruits and vegetables	247.15	245.86	260.03	269.81	-	6.47	6.47	6.99	6.99	-
2032	Canned specialties	292.74	276.10	303.77	310.07	-	7.14	7.19	7.71	7.83	-
2033	Canned fruits and vegetables	263.06	259.88	270.65	275.08	-	6.78	6.75	7.16	7.22	-
2037	Frozen fruits and vegetables	220.80	214.62	245.89	254.02	-	6.00	6.08	6.61	6.53	-
204	Grain mill products	342.37	351.45	371.96	367.98	-	8.23	8.25	8.92	8.91	-
2041	Flour and other grain mill products	359.74	373.46	376.16	380.62	-	8.03	8.19	8.83	8.77	-
2048	Prepared feeds, nec	275.64	280.36	297.20	292.70	-	6.61	6.52	7.11	7.07	-
205	Bakery products	298.38	301.86	306.38	314.26	-	7.73	7.80	8.17	8.27	-
2051	Bread, cake, and related products	297.96	304.92	308.18	316.39	-	7.80	7.92	8.24	8.37	-
2052	Cookies and crackers	298.94	295.81	301.31	310.42	-	7.53	7.47	7.95	7.98	-
206	Sugar and confectionery products	293.20	293.53	297.59	307.72	-	7.33	7.32	7.77	7.83	-
2061-3	Cane and beet sugar	357.86	372.38	344.45	366.70	-	8.48	8.64	9.21	9.26	-
2065	Confectionery products	251.94	248.20	258.25	265.65	-	6.51	6.43	6.85	6.90	-
207	Fats and oils	330.42	334.19	339.20	342.13	-	7.72	7.79	8.00	8.05	-
208	Beverages	361.42	366.27	392.90	390.83	-	8.88	8.89	9.63	9.65	-
2082	Malt beverages	509.41	513.25	574.54	559.42	-	11.93	12.02	12.94	13.04	-
2086	Bottled and canned soft drinks	268.54	278.66	281.39	289.41	-	6.68	6.78	7.16	7.29	-
209	Misc. foods and kindred products	249.87	243.32	261.70	264.73	-	6.44	6.42	6.96	6.93	-
21	TOBACCO MANUFACTURES	350.62	359.98	367.83	365.31	393.67	9.06	9.35	10.05	9.90	10.47
211	Cigarettes	407.93	416.23	419.15	415.81	-	10.38	10.70	11.39	11.33	-
22	TEXTILE MILL PRODUCTS	217.08	218.56	215.39	219.44	220.60	5.40	5.41	5.79	5.79	5.79
221	Weaving mills, cotton	222.75	224.66	225.98	223.94	-	5.50	5.52	6.01	5.94	-
222	Weaving mills, synthetics	233.08	236.02	215.49	233.17	-	5.63	5.66	6.07	6.12	-
223	Weaving and finishing mills, wool	231.69	234.89	241.40	239.90	-	5.61	5.66	6.05	6.12	-
224	Narrow fabric mills	200.07	201.78	207.23	209.58	-	4.94	4.97	5.30	5.36	-
225	Knitting mills	194.56	196.09	194.04	198.15	-	5.08	5.08	5.39	5.37	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.8	41.7	40.2	40.6	-	3.2	3.2	2.7	2.9	-
3781	Guided missiles and space vehicles	40.4	41.4	39.8	40.5	-	2.8	2.8	2.5	2.9	-
379	Miscellaneous transportation equipment	40.8	39.9	41.4	41.2	-	2.7	1.8	3.1	3.6	-
3792	Travel trailers and campers	39.5	38.3	39.4	39.3	-	2.0	1.4	2.1	1.9	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.3	40.4	39.5	40.0	39.8	2.2	2.3	1.6	1.6	-
381	Measuring and controlling devices	41.0	41.2	40.3	40.1	-	3.0	2.9	2.0	1.9	-
382	Environmental controls	40.4	40.3	39.1	40.1	-	2.0	2.1	1.2	1.2	-
3822	Process control instruments	39.2	39.1	38.4	38.5	-	1.5	1.6	1.0	.8	-
3823	Instruments to measure electricity	42.7	42.7	40.5	40.8	-	2.9	3.0	1.4	1.5	-
3825	Optical instruments and lenses	39.9	39.6	39.1	40.7	-	1.6	1.8	1.0	1.2	-
383	Medical instruments and supplies	39.2	40.4	39.7	40.2	-	2.4	3.0	1.7	2.0	-
384	Surgical and medical instruments	39.9	39.9	38.9	39.4	-	2.1	2.3	1.6	1.7	-
3841	Surgical appliances and supplies	40.5	40.5	39.2	39.6	-	2.5	2.6	2.0	2.0	-
3842	Ophthalmic goods	39.2	39.6	38.6	39.2	-	1.9	2.2	1.2	1.5	-
385	Photographic equipment and supplies	40.3	40.0	38.6	39.1	-	1.6	1.6	1.1	1.3	-
386	Watches, clocks, and watchcases	41.0	41.2	41.3	41.3	-	2.9	2.6	2.4	2.2	-
387	Watches, clocks, and watchcases	39.4	39.3	38.8	39.2	-	1.5	1.2	1.3	1.5	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.9	39.0	38.2	38.5	38.6	1.9	1.9	1.4	1.6	-
391	Jewelry, precious metal	37.9	38.3	37.7	37.7	-	1.7	1.8	1.3	1.2	-
3911	Musical instruments	37.1	37.4	36.8	36.9	-	1.7	1.7	1.2	1.1	-
393	Toys and sporting goods	38.2	38.1	38.0	38.3	-	1.0	.8	.5	1.1	-
394	Dolls, games, toys, and children's vehicles	39.5	39.6	38.5	38.7	-	2.1	2.2	1.3	1.4	-
3942, 4	Sporting and athletic goods, nec	38.7	39.0	37.7	37.8	-	1.8	1.8	.9	1.0	-
3949	Pens, pencils, office and art supplies	40.2	40.1	39.1	39.5	-	2.4	2.5	1.7	1.7	-
395	Costume jewelry and notions	39.8	40.1	40.0	39.4	-	1.9	2.3	1.7	1.6	-
396	Costume jewelry	38.7	38.9	38.3	38.6	-	2.0	2.1	2.1	2.4	-
3961	Miscellaneous manufactures	37.6	38.1	39.0	39.3	-	1.7	1.7	3.0	3.0	-
399	Signs and advertising displays	38.6	38.6	37.8	38.3	-	2.0	1.7	1.5	1.6	-
3993	Signs and advertising displays	38.6	38.7	38.3	38.2	-	2.4	1.8	2.2	2.0	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.7	39.7	38.8	39.3	39.6	3.6	3.6	3.1	3.3	-
201	Meat packing plants	39.8	39.5	38.0	38.5	-	3.7	3.5	2.8	3.2	-
2011	Sausages and other prepared meats	41.3	40.9	40.1	39.3	-	4.3	4.0	3.6	3.5	-
2013	Poultry dressing plants	40.0	39.6	38.3	39.9	-	3.7	3.3	2.6	3.9	-
2016	Dairy products	38.2	37.9	35.5	36.9	-	3.1	2.9	2.1	2.4	-
202	Cheese, natural and processed	40.9	41.5	41.1	41.3	-	3.8	4.0	3.7	4.0	-
2022	Fluid milk	39.1	40.4	39.9	39.8	-	3.1	3.6	3.2	3.6	-
2026	Preserved fruits and vegetables	41.3	41.7	41.5	41.5	-	4.2	4.3	3.9	4.0	-
203	Canned specialties	38.2	38.0	37.2	38.6	-	2.7	2.9	2.3	2.6	-
2032	Canned fruits and vegetables	41.0	38.4	39.4	39.6	-	4.0	3.0	1.8	2.0	-
2033	Frozen fruits and vegetables	38.8	38.5	37.8	38.1	-	2.5	2.8	2.3	2.5	-
2037	Grain mill products	36.8	35.3	37.2	38.9	-	2.6	3.1	2.8	3.6	-
204	Flour and other grain mill products	41.6	42.6	41.7	41.3	-	4.9	5.3	4.7	4.4	-
2041	Prepared feeds, nec	44.8	45.6	42.6	43.4	-	5.3	6.2	5.5	5.1	-
2048	Bakery products	41.7	43.0	41.8	41.4	-	5.4	5.9	4.7	4.6	-
205	Bread, cake, and related products	38.6	38.7	37.5	38.0	-	3.1	3.2	2.7	2.9	-
2051	Cookies and crackers	38.2	38.5	37.4	37.8	-	3.3	3.5	3.0	3.3	-
2052	Sugar and confectionery products	39.7	39.6	37.9	38.9	-	2.4	2.4	1.7	1.8	-
206	Cane and beet sugar	40.0	40.1	38.3	39.3	-	2.5	2.4	2.0	2.1	-
2061-3	Confectionery products	42.2	43.1	37.4	39.6	-	3.1	3.7	2.9	3.1	-
2065	Fats and oils	38.7	38.6	37.7	38.5	-	2.2	1.8	1.5	1.6	-
207	Beverages	42.8	42.9	42.4	42.5	-	4.6	5.4	4.5	4.7	-
208	Malt beverages	40.7	41.2	40.8	40.5	-	4.4	4.6	4.0	4.1	-
2082	Bottled and canned soft drinks	42.7	42.7	44.4	42.9	-	6.6	6.6	6.4	6.4	-
2086	Misc. foods and kindred products	40.2	41.1	39.3	39.7	-	3.9	4.5	3.2	3.5	-
209	Misc. foods and kindred products	38.8	37.9	37.6	38.2	-	3.8	3.1	2.9	3.0	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.7	38.5	36.6	36.9	37.6	2.3	1.7	1.0	.9	-
211	Cigarettes	39.3	38.9	36.8	36.7	-	2.7	1.9	1.0	.9	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	40.2	40.4	37.2	37.9	38.1	3.3	3.4	2.0	2.1	-
221	Weaving mills, synthetics	40.5	40.7	37.6	37.7	-	3.4	3.6	2.3	2.2	-
222	Weaving and finishing mills, wool	41.4	41.7	35.5	38.1	-	3.8	4.0	1.5	2.1	-
223	Narrow fabric mills	41.3	41.5	39.9	39.2	-	3.8	3.9	2.9	2.9	-
224	Knitting mills	40.5	40.6	39.1	39.1	-	2.5	2.6	1.8	1.8	-
225	Knitting mills	38.3	38.6	36.0	36.9	-	2.4	2.5	1.6	1.7	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$177.65	\$182.21	\$178.88	\$180.22	-	\$4.75	\$4.77	\$5.17	\$5.12	-
2252	Hosiery, nec	184.03	190.00	174.42	184.17	-	4.78	4.81	5.13	5.13	-
2253	Knit outerwear mills	187.50	187.75	193.88	194.25	-	5.00	4.98	5.24	5.25	-
2254	Knit underwear mills	178.00	179.83	165.51	179.39	-	4.89	4.90	5.14	5.14	-
2257	Circular knit fabric mills	224.22	225.79	240.00	235.82	-	5.72	5.76	6.00	5.94	-
226	Textile finishing, except wool	240.09	242.65	249.08	246.21	-	5.73	5.75	6.12	6.14	-
2261	Finishing plants, cotton	239.37	238.21	272.36	260.18	-	5.81	5.81	6.19	6.18	-
2262	Finishing plants, synthetics	253.86	260.61	237.00	240.29	-	5.89	5.95	6.32	6.34	-
227	Floor covering mills	231.74	230.52	219.63	222.75	-	5.68	5.65	5.92	5.94	-
228	Yarn and thread mills	204.02	203.81	198.93	204.92	-	5.05	5.07	5.45	5.45	-
2281	Yarn mills, except wool	203.62	204.32	201.45	205.09	-	5.04	5.07	5.43	5.44	-
2282	Throwing and winding mills	194.89	193.25	188.86	192.52	-	4.86	4.88	5.32	5.26	-
229	Miscellaneous textile goods	247.80	251.87	251.41	259.75	-	6.00	6.04	6.43	6.51	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	178.56	180.41	178.19	179.74	\$181.63	4.96	4.97	5.18	5.15	\$5.16
231	Men's and boys' suits and coats	205.62	208.66	209.40	206.74	-	5.68	5.67	6.00	5.89	-
232	Men's and boys' furnishings	166.99	167.61	168.61	170.77	-	4.55	4.53	4.79	4.77	-
2321	Men's and boys' shirts and nightwear	161.33	161.85	165.32	166.22	-	4.42	4.41	4.67	4.63	-
2327	Men's and boys' separate trousers	170.35	169.36	166.01	167.04	-	4.68	4.64	4.84	4.80	-
2328	Men's and boys' work clothing	167.45	167.96	167.43	170.50	-	4.43	4.42	4.69	4.71	-
233	Women's and misses' outerwear	167.62	169.79	165.89	165.46	-	4.93	4.95	5.12	5.06	-
2331	Women's and misses' blouses and waists	158.10	159.85	161.47	161.63	-	4.65	4.62	4.82	4.74	-
2335	Women's and misses' dresses	164.15	167.64	165.90	162.65	-	5.02	5.08	5.25	5.18	-
2337	Women's and misses' suits and coats	189.66	191.05	178.15	179.30	-	5.45	5.49	5.71	5.50	-
2339	Women's and misses' outerwear, nec	166.25	167.32	164.01	164.66	-	4.75	4.74	4.94	4.93	-
234	Women's and children's undergarments	161.81	164.86	156.98	161.12	-	4.47	4.48	4.70	4.67	-
2341	Women's and children's underwear	160.45	163.47	157.08	158.93	-	4.42	4.43	4.62	4.58	-
2342	Brassieres and allied garments	169.56	170.03	156.47	172.38	-	4.71	4.71	5.13	5.10	-
236	Children's outerwear	164.08	166.25	164.43	169.67	-	4.52	4.53	4.78	4.70	-
2361	Children's dresses and blouses	161.72	163.26	164.43	169.09	-	4.53	4.51	4.78	4.71	-
238	Misc. apparel and accessories	179.33	183.52	184.96	184.60	-	4.86	4.92	5.21	5.20	-
239	Misc. fabricated textile products	226.98	231.28	224.32	231.80	-	5.85	5.90	6.03	6.10	-
2391	Curtains and draperies	165.44	166.19	160.89	167.90	-	4.40	4.42	4.61	4.69	-
2392	House furnishing, nec	183.84	187.59	189.44	190.60	-	4.80	4.81	5.19	5.11	-
2396	Automotive and apparel trimmings	405.98	417.00	421.85	433.49	-	9.83	10.00	10.52	10.73	-
26	PAPER AND ALLIED PRODUCTS	357.85	364.66	380.80	379.31	384.89	8.42	8.54	9.11	9.14	9.23
261, 2.6	Paper and pulp mills	439.20	448.10	473.21	464.09	-	9.76	9.98	10.61	10.62	-
262	Paper mills, except building paper	441.35	448.47	479.88	466.14	-	9.70	9.90	10.57	10.57	-
263	Paperboard mills	433.87	440.48	473.92	475.66	-	10.02	10.22	10.82	10.96	-
264	Misc. converted paper products	301.38	310.24	320.00	322.00	-	7.46	7.53	8.00	8.05	-
2641	Paper coating and glazing	353.22	362.06	364.79	383.05	-	8.39	8.42	9.14	9.23	-
2642	Envelopes	278.88	280.19	293.14	296.21	-	6.92	6.97	7.44	7.48	-
2643	Bags, except textile bags	284.52	288.26	303.16	297.86	-	7.06	7.10	7.56	7.56	-
265	Paperboard containers and boxes	311.32	315.75	322.40	323.61	-	7.43	7.50	8.00	8.05	-
2651	Folding paperboard boxes	317.52	326.74	326.43	329.65	-	7.56	7.67	8.08	8.18	-
2653	Corrugated and solid fiber boxes	325.08	329.52	338.60	338.99	-	7.74	7.79	8.34	8.37	-
2654	Sanitary food containers	304.29	304.99	315.24	321.26	-	7.06	7.06	7.67	7.76	-
27	PRINTING AND PUBLISHING	301.38	301.69	316.11	316.48	319.92	8.08	8.11	8.59	8.60	8.67
271	Newspapers	275.04	277.05	290.18	288.97	-	8.21	8.27	8.82	8.81	-
272	Periodicals	289.48	289.10	321.75	325.38	-	7.74	7.73	8.58	8.70	-
273	Books	288.25	284.23	289.75	257.79	-	7.41	7.46	7.81	7.92	-
2731	Book publishing	278.74	268.98	279.73	287.26	-	7.24	7.25	7.54	7.64	-
2732	Book printing	299.05	300.29	300.95	309.07	-	7.59	7.68	8.09	8.22	-
274	Miscellaneous publishing	247.76	258.08	295.67	287.78	-	6.94	7.09	7.74	7.82	-
275	Commercial printing	324.24	324.56	339.60	338.71	-	8.40	8.43	8.89	8.89	-
2751	Commercial printing, letterpress	299.82	301.78	320.63	317.34	-	7.89	7.90	8.46	8.44	-
2752	Commercial printing, lithographic	334.46	333.80	347.24	347.76	-	8.62	8.67	9.09	9.08	-
276	Manifold business forms	324.01	328.45	333.45	334.46	-	8.06	8.09	8.55	8.62	-
278	Blankbooks and bookbinding	242.79	243.81	252.60	254.70	-	6.29	6.30	6.63	6.65	-
279	Printing trade services	375.98	379.64	394.13	354.34	-	10.08	10.07	10.51	10.46	-
28	CHEMICALS AND ALLIED PRODUCTS	373.09	377.31	399.27	400.66	405.96	8.99	9.07	9.81	9.82	9.95
281	Industrial inorganic chemicals	415.58	418.14	435.77	434.96	-	9.99	10.10	10.84	10.82	-
2819	Industrial inorganic chemicals, nec	413.83	416.75	435.20	436.11	-	10.02	10.14	10.88	10.93	-
282	Plastics materials and synthetics	376.32	377.58	393.26	392.69	-	8.96	8.99	9.71	9.72	-
2821	Plastics materials and resins	421.74	423.36	422.28	433.65	-	9.74	9.80	10.35	10.50	-
2824	Organic fibers, noncellulosic	351.02	349.29	374.66	367.75	-	8.52	8.54	9.39	9.37	-
283	Drugs	332.11	336.20	365.86	369.00	-	8.16	8.22	8.88	9.00	-
2834	Pharmaceutical preparations	316.37	319.56	344.46	349.86	-	7.87	7.91	8.59	8.66	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	37.4	38.2	34.6	35.2	-	2.1	2.6	1.2	1.5	-
2252	Hosiery, nec	38.5	39.5	34.0	35.9	-	2.3	3.1	1.0	1.3	-
2253	Knit outerwear mills	37.5	37.7	37.0	37.0	-	2.2	2.0	1.6	1.6	-
2254	Knit underwear mills	36.4	36.7	32.2	34.9	-	1.2	1.3	.1	.3	-
2257	Circular knit fabric mills	39.2	39.2	40.0	39.7	-	2.6	2.3	2.9	3.0	-
226	Textile finishing, except wool	41.9	42.2	40.7	40.1	-	4.1	4.3	2.6	2.7	-
2281	Finishing plants, cotton	41.2	41.0	44.0	42.1	-	3.7	3.6	3.0	2.3	-
2282	Finishing plants, synthetics	43.1	43.8	37.5	37.9	-	4.6	5.4	2.3	2.8	-
227	Floor covering mills	40.8	40.8	37.1	37.5	-	4.3	4.2	1.6	1.5	-
228	Yarn and thread mills	40.4	40.2	36.5	37.6	-	3.5	3.4	2.1	2.2	-
2281	Yarn mills, except wool	40.4	40.3	37.1	37.7	-	3.6	3.5	2.1	2.3	-
2282	Throwing and winding mills	40.1	39.6	35.5	36.6	-	3.4	3.1	2.0	1.9	-
229	Miscellaneous textile goods	41.3	41.7	39.1	39.9	-	3.7	3.9	2.6	2.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.0	36.3	34.4	34.9	35.2	1.1	1.2	.8	.9	-
231	Men's and boys' suits and coats	36.2	36.8	34.9	35.1	-	.7	.9	.6	.7	-
232	Men's and boys' furnishings	36.7	37.6	35.2	35.8	-	.9	1.0	.7	.8	-
2321	Men's and boys' shirts and nighwear	36.5	36.7	35.4	35.9	-	1.0	1.0	.8	.9	-
2327	Men's and boys' separate trousers	36.4	36.5	34.3	34.8	-	1.1	1.1	.7	.8	-
2328	Men's and boys' work clothing	37.8	38.0	35.7	36.2	-	.9	1.1	.7	.8	-
233	Women's and misses' outerwear	34.0	34.3	32.4	32.7	-	1.0	1.0	.8	.7	-
2331	Women's and misses' blouses and waists	34.0	34.6	33.5	34.1	-	1.0	1.1	.8	.8	-
2335	Women's and misses' dresses	32.7	33.0	31.6	31.4	-	.8	.9	.8	.6	-
2337	Women's and misses' suits and coats	34.8	34.8	31.2	32.6	-	.7	.9	.4	.6	-
2339	Women's and misses' outerwear, nec	35.0	35.3	33.2	33.4	-	1.1	1.2	.9	.8	-
234	Women's and children's undergarments	36.2	36.8	33.4	34.5	-	1.1	1.5	.6	.7	-
2341	Women's and children's underwear	36.3	36.9	34.0	34.7	-	1.1	1.5	.6	.7	-
2342	Brasieres and allied garments	36.0	36.1	30.5	33.8	-	1.3	1.3	.6	.6	-
236	Children's outerwear	36.3	36.7	34.4	36.1	-	1.1	1.4	.5	.9	-
2361	Children's dresses and blouses	35.7	36.2	34.4	35.9	-	.8	1.2	.5	.9	-
238	Misc. apparel and accessories	36.9	37.3	35.5	35.5	-	1.3	1.4	1.1	1.2	-
239	Misc. fabricated textile products	38.8	39.2	37.2	38.0	-	2.0	2.2	1.6	1.9	-
2391	Curtains and draperies	37.6	37.6	34.9	35.8	-	1.3	1.3	.8	1.6	-
2392	House furnishings, nec	38.3	39.0	36.5	37.3	-	1.8	2.3	1.4	1.6	-
2396	Automotive and apparel trimmings	41.3	41.7	40.1	40.4	-	2.9	2.8	2.8	3.5	-
26	PAPER AND ALLIED PRODUCTS	42.5	42.7	41.8	41.5	41.7	4.4	4.6	4.0	3.7	-
261, 2, 8	Paper and pulp mills	45.0	44.9	44.6	43.7	-	6.4	6.3	6.1	5.6	-
262	Paper mills, except building paper	45.5	45.3	45.4	44.1	-	6.6	6.5	6.3	5.8	-
263	Paperboard mills	43.3	43.1	43.8	43.4	-	7.2	7.3	7.4	6.3	-
264	Misc. converted paper products	40.4	41.2	40.0	40.0	-	2.6	2.9	2.3	2.2	-
2641	Paper coating and glazing	42.1	43.0	42.1	41.5	-	3.0	3.2	2.3	2.2	-
2642	Envelopes	40.3	40.2	42.4	39.6	-	1.8	2.1	1.9	1.9	-
2643	Bags, except textile bags	40.3	40.6	40.1	39.4	-	2.6	2.7	2.5	2.2	-
265	Paperboard containers and boxes	41.9	42.1	40.3	40.2	-	3.5	3.6	2.7	2.6	-
2651	Folding paperboard boxes	42.0	42.6	40.4	40.3	-	4.0	4.2	2.8	2.5	-
2653	Corrugated and solid fiber boxes	42.0	42.3	40.6	40.5	-	3.6	3.7	3.0	3.0	-
2654	Sanitary food containers	43.1	43.2	41.1	41.4	-	3.7	4.0	2.8	2.8	-
27	PRINTING AND PUBLISHING	37.3	37.2	36.8	36.8	36.9	2.3	2.3	2.0	2.0	-
271	Newspapers	33.5	33.5	32.9	32.8	-	1.4	1.3	1.3	1.3	-
272	Periodicals	37.4	37.4	37.5	37.4	-	2.0	2.1	2.1	2.1	-
273	Books	38.9	38.1	37.1	37.6	-	2.7	1.9	1.9	2.2	-
2731	Book publishing	38.5	37.1	37.1	37.6	-	2.3	1.2	1.0	1.5	-
2732	Book printing	39.4	39.1	37.2	37.6	-	3.2	2.7	2.9	2.9	-
274	Miscellaneous publishing	35.7	36.4	38.2	36.8	-	1.0	1.2	1.5	1.5	-
275	Commercial printing	38.6	38.5	38.2	38.1	-	2.9	2.8	2.5	2.4	-
2751	Commercial printing, letterpress	38.0	38.2	37.9	37.6	-	2.2	2.3	2.1	2.1	-
2752	Commercial printing, lithographic	38.8	38.5	38.2	38.3	-	3.1	3.0	2.6	2.5	-
276	Manifold business forms	40.2	40.6	39.0	38.8	-	2.6	3.0	2.1	1.8	-
278	Blankbooks and bookbinding	38.6	38.7	38.1	38.3	-	1.6	1.6	1.2	1.4	-
279	Printing trade service	37.3	37.7	37.5	37.7	-	3.5	3.4	3.0	2.7	-
28	CHEMICALS AND ALLIED PRODUCTS	41.5	41.6	40.7	40.8	40.8	3.2	3.3	2.7	2.6	-
281	Industrial inorganic chemicals	41.6	41.4	40.2	40.2	-	3.3	3.0	3.0	2.8	-
2819	Industrial inorganic chemicals, nec	41.3	41.1	40.0	39.9	-	3.0	2.8	3.1	3.0	-
282	Plastics materials and synthetics	42.0	42.0	40.5	40.4	-	3.4	3.4	2.5	2.3	-
2821	Plastics materials and resins	43.3	43.2	40.8	41.3	-	4.6	4.7	3.1	3.1	-
2824	Organic fibers, noncellulosic	41.2	40.9	39.9	39.5	-	2.4	2.2	2.0	1.7	-
283	Drugs	40.7	40.9	41.2	41.0	-	2.8	2.8	2.5	2.5	-
2834	Pharmaceutical preparations	40.2	40.4	40.1	40.4	-	2.7	2.8	2.4	2.4	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$338.20	\$338.60	\$357.70	\$366.93	-	\$8.33	\$8.34	\$9.01	\$9.06	-
2841	Soap and other detergents	456.67	454.92	485.81	454.16	-	10.72	10.78	11.65	11.71	-
2844	Toilet preparations	262.01	261.49	276.05	267.36	-	6.65	6.62	7.17	7.22	-
2842, 3	Polishing, sanitation, and finishing preparations	321.60	328.05	339.63	345.39	-	8.00	8.10	8.62	8.70	-
285	Paints and allied products	334.08	330.03	344.84	353.28	-	8.05	8.03	8.73	8.81	-
286	Industrial organic chemicals	446.05	460.53	454.16	487.14	-	10.57	10.71	11.71	11.71	-
2865	Cyclic crudes and intermediates	418.97	427.32	475.58	458.27	-	10.12	10.15	11.19	11.15	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	455.60	471.97	500.57	457.00	-	10.72	10.90	11.89	11.89	-
287	Agricultural chemicals	366.37	376.25	392.28	397.96	-	8.56	8.75	9.34	9.32	-
289	Miscellaneous chemical products	341.96	344.64	365.02	366.93	-	8.28	8.37	9.08	9.06	-
29	PETROLEUM AND COAL PRODUCTS	492.68	491.99	550.00	544.87	\$557.05	11.30	11.31	12.50	12.44	\$12.49
291	Petroleum refining	533.05	529.40	596.75	590.96	-	12.17	12.17	13.35	13.34	-
295	Paving and roofing materials	371.80	381.40	366.13	389.96	-	8.45	8.59	8.93	9.09	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	290.90	292.03	297.04	298.94	305.20	7.13	7.14	7.52	7.53	7.63
301	Tires and inner tubes	462.16	465.09	466.72	463.16	-	11.03	11.10	11.61	11.55	-
302	Rubber and plastics footwear	177.71	186.51	192.61	199.18	-	4.79	4.77	5.15	5.16	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	328.18	327.25	319.98	324.77	-	7.74	7.70	8.06	8.16	-
306	Fabricated rubber products, nec	270.50	270.54	281.56	279.82	-	6.63	6.68	7.11	7.12	-
307	Miscellaneous plastics products	265.36	266.83	269.50	273.14	-	6.52	6.54	6.84	6.88	-
31	LEATHER AND LEATHER PRODUCTS	185.50	189.74	187.26	191.66	194.88	4.96	4.98	5.32	5.28	5.31
311	Leather tanning and finishing	266.42	265.77	270.07	280.28	-	6.53	6.53	7.07	7.06	-
314	Footwear, except rubber	178.45	184.12	177.32	181.44	-	4.81	4.82	5.11	5.04	-
3143	Men's footwear, except athletic	194.66	197.29	187.97	190.61	-	5.03	5.02	5.31	5.28	-
3144	Women's footwear, except athletic	165.79	177.00	170.52	177.25	-	4.67	4.72	5.03	4.91	-
318	Luggage	193.15	188.12	200.64	199.04	-	4.94	4.99	5.70	5.82	-
317	Handbags and personal leather goods	167.08	173.59	179.71	179.64	-	4.68	4.73	4.91	4.99	-
-	TRANSPORTATION AND PUBLIC UTILITIES	376.10	381.52	393.43	396.00	398.19	9.57	9.61	10.14	10.18	10.21
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	446.04	470.29	480.22	-	-	10.62	10.64	11.22	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	227.70	230.17	238.14	243.53	-	6.60	6.73	7.13	7.10	-
411	Local and suburban transportation	284.59	282.12	299.10	300.25	-	7.26	7.29	7.63	7.64	-
413	Intercity highway transportation	381.99	384.05	403.05	408.41	-	10.67	10.58	11.29	11.44	-
42	TRUCKING AND WAREHOUSING	392.00	395.61	387.72	399.12	-	10.00	9.94	10.23	10.34	-
421, 3	Trucking and trucking terminals	400.23	403.57	396.06	407.23	-	10.21	10.14	10.45	10.55	-
422	Public warehousing	265.04	266.81	273.33	277.75	-	6.92	6.93	7.25	7.29	-
46	PIPE LINES, EXCEPT NATURAL GAS	488.46	479.40	527.98	525.79	-	11.63	11.28	12.25	12.43	-
48	COMMUNICATION	359.96	366.28	389.86	389.26	-	9.09	9.18	9.92	9.93	-
481	Telephone communication	373.07	378.82	407.64	404.79	-	9.35	9.40	10.32	10.30	-
4817	Switchboard operating employees ³	259.76	258.21	292.18	293.13	-	7.64	7.55	8.67	8.75	-
4818	Line construction employees ⁴	468.93	480.49	502.74	457.84	-	10.88	10.97	11.97	11.91	-
483	Radio and television broadcasting	300.89	311.16	319.02	326.37	-	7.96	8.21	8.53	8.68	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	406.43	406.13	439.90	437.47	-	9.77	9.81	10.60	10.67	-
491	Electric services	418.91	417.74	448.75	446.29	-	9.88	9.97	10.71	10.78	-
492	Gas production and distribution	366.62	365.57	391.94	395.34	-	9.03	8.96	9.63	9.81	-
493	Combination utility services	450.18	452.10	503.32	497.28	-	10.98	11.00	12.07	12.07	-
495	Sanitary services	316.00	322.82	338.24	341.90	-	7.67	7.76	8.27	8.38	-
-	WHOLESALE AND RETAIL TRADE	188.48	190.51	195.91	197.78	199.32	5.89	5.88	6.18	6.20	6.19
50, 51	WHOLESALE TRADE	288.37	289.11	304.45	308.35	309.21	7.49	7.49	7.97	8.03	7.99
50	WHOLESALE TRADE-DURABLE GOODS	290.97	291.72	305.71	309.62	-	7.48	7.48	7.92	7.98	-
501	Motor vehicles and automotive equipment	265.87	271.05	274.28	276.19	-	6.87	6.95	7.18	7.23	-
502	Furniture and home furnishings	258.54	261.32	269.73	270.82	-	6.95	6.95	7.29	7.28	-
503	Lumber and construction materials	297.20	301.86	302.16	308.05	-	7.64	7.74	7.91	7.96	-
504	Sporting goods, toys, and hobby goods	293.92	294.34	321.00	322.88	-	7.88	7.87	8.56	8.61	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982 ^P	June 1982 ^P	May 1981	June 1981	Apr. 1982	May 1982 ^P	June 1982 ^P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.6	40.6	39.7	40.5	-	2.6	2.8	2.1	2.2	-
2841	Soap and other detergents	42.6	42.2	41.7	42.2	-	3.6	3.9	3.4	3.3	-
2844	Toilet preparations	39.4	39.5	38.5	39.8	-	2.0	2.3	1.4	1.7	-
2842, 3	Polishing, sanitation, and finishing preparations	40.2	40.5	39.4	39.7	-	2.2	2.5	1.7	1.5	-
285	Paints and allied products	41.5	41.1	39.5	40.1	-	3.5	3.4	1.9	2.4	-
286	Industrial organic chemicals	42.2	43.0	42.2	41.6	-	3.6	3.9	3.1	2.8	-
2865	Cyclic crudes and intermediates	41.4	42.1	42.5	41.1	-	3.5	4.0	2.7	2.1	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.5	43.3	42.1	41.8	-	3.6	3.9	3.3	3.0	-
287	Agricultural chemicals	42.8	43.0	42.0	42.7	-	4.6	4.4	3.8	4.2	-
289	Miscellaneous chemical products	41.3	41.2	40.2	40.5	-	2.9	2.8	2.6	2.3	-
29	PETROLEUM AND COAL PRODUCTS	43.6	43.5	44.0	43.8	44.6	4.2	4.0	3.8	4.0	-
291	Petroleum refining	43.8	43.5	44.7	44.3	-	4.0	3.7	3.9	3.8	-
295	Paving and roofing materials	44.0	44.4	41.0	42.9	-	5.7	6.1	4.3	5.6	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.8	40.9	39.5	39.7	40.0	3.2	3.2	2.4	2.6	-
301	Tires and inner tubes	41.9	41.9	40.2	40.1	-	2.9	3.0	2.5	2.7	-
302	Rubber and plastics footwear	37.1	39.1	37.4	38.6	-	2.3	2.9	.8	1.2	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	42.4	42.5	39.7	39.8	-	3.1	3.2	2.4	1.8	-
306	Fabricated rubber products, nec	40.8	40.5	39.6	39.3	-	3.0	2.9	2.2	2.3	-
307	Miscellaneous plastics products	40.7	40.8	39.4	39.7	-	3.3	3.4	2.6	2.7	-
31	LEATHER AND LEATHER PRODUCTS	37.4	38.1	35.2	36.3	36.7	1.5	1.8	1.3	1.4	-
311	Leather tanning and finishing	40.8	40.7	38.2	39.7	-	3.6	3.5	2.6	2.9	-
314	Footwear, except rubber	37.1	38.2	34.7	36.0	-	1.2	1.6	1.2	1.1	-
3143	Men's footwear, except athletic	38.7	39.3	35.4	36.1	-	1.3	1.7	.9	.9	-
3144	Women's footwear, except athletic	35.5	37.5	33.9	36.1	-	1.3	1.8	1.4	1.4	-
316	Luggage	39.1	37.7	35.2	34.2	-	1.5	1.9	1.7	3.3	-
317	Handbags and personal leather goods	35.7	36.7	36.6	36.0	-	1.3	1.7	1.0	.9	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.3	39.7	38.8	38.9	39.0	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.0	44.2	42.8	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.5	34.2	33.4	34.3	-	-	-	-	-	-
411	Local and suburban transportation	39.2	38.7	39.2	39.3	-	-	-	-	-	-
413	Intercity highway transportation	35.8	36.3	35.7	35.7	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.2	39.8	37.9	38.6	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.2	39.8	37.9	38.6	-	-	-	-	-	-
422	Public warehousing	38.3	38.5	37.7	38.1	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.0	42.5	43.1	42.3	-	-	-	-	-	-
48	COMMUNICATION	39.6	39.9	39.3	39.2	-	-	-	-	-	-
481	Telephone communication	39.9	40.3	39.5	39.3	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.0	34.2	33.7	33.5	-	-	-	-	-	-
4818	Line construction employees ⁴	43.1	43.8	42.0	41.8	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	37.9	37.4	37.6	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.6	41.4	41.5	41.0	-	-	-	-	-	-
491	Electric services	42.4	41.9	41.9	41.4	-	-	-	-	-	-
492	Gas production and distribution	40.6	40.8	40.7	40.3	-	-	-	-	-	-
493	Combination utility services	41.0	41.1	41.7	41.2	-	-	-	-	-	-
495	Sanitary services	41.2	41.6	40.9	40.8	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.0	32.4	31.7	31.9	32.2	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.5	38.6	38.2	38.4	38.7	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.9	39.0	38.6	38.8	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.7	39.0	38.2	38.2	-	-	-	-	-	-
502	Furniture and home furnishings	37.2	37.6	37.0	37.2	-	-	-	-	-	-
503	Lumber and construction materials	38.9	39.0	38.2	38.7	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.3	37.4	37.5	37.5	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$349.52	\$346.50	\$351.27	\$353.73	-	\$8.76	\$8.75	\$9.03	\$9.07	-
506	Electrical goods	303.81	301.48	329.16	332.60	-	7.81	7.77	8.44	8.55	-
507	Hardware, plumbing, and heating equipment	266.11	267.72	286.03	287.93	-	6.93	6.99	7.41	7.44	-
508	Machinery, equipment, and supplies	303.00	302.59	318.63	322.22	-	7.71	7.68	8.17	8.22	-
509	Miscellaneous durable goods	239.86	238.85	243.29	248.90	-	6.23	6.22	6.54	6.55	-
51	WHOLESALE TRADE-NONDURABLE GOODS	284.26	285.38	302.68	307.37	-	7.52	7.51	8.05	8.11	-
511	Paper and paper products	311.33	306.18	321.53	327.75	-	8.46	8.32	8.69	8.74	-
512	Drugs, proprietaries, and sundries	293.23	298.03	316.75	326.68	-	7.99	7.99	8.75	8.95	-
513	Apparel, piece goods, and notions	249.75	246.62	262.81	267.91	-	6.75	6.72	7.24	7.32	-
514	Groceries and related products	286.48	286.48	304.24	306.99	-	7.48	7.48	8.07	8.10	-
516	Chemicals and allied products	342.38	346.99	363.94	364.00	-	8.87	8.92	9.38	9.43	-
517	Petroleum and petroleum products	354.88	349.55	382.93	378.85	-	9.03	8.94	9.67	9.64	-
518	Beer, wine, and distilled beverages	325.68	332.79	345.87	351.99	-	8.85	8.97	9.45	9.67	-
519	Miscellaneous nondurable goods	234.78	236.16	249.56	254.26	-	6.13	6.15	6.55	6.57	-
52-59	RETAIL TRADE	156.08	158.17	161.02	163.01	\$164.65	5.22	5.22	5.44	5.47	\$5.47
52	BUILDING MATERIALS AND GARDEN SUPPLIES	207.16	210.36	212.17	215.75	-	5.66	5.67	5.91	5.96	-
521	Lumber and other building materials	228.51	230.49	230.38	235.49	-	5.92	5.91	6.16	6.23	-
525	Hardware stores	169.85	171.86	176.74	179.67	-	5.07	5.04	5.26	5.30	-
53	GENERAL MERCHANDISE STORES	148.63	151.04	151.97	156.06	-	5.09	5.12	5.37	5.40	-
531	Department stores	153.36	155.53	157.07	161.28	-	5.27	5.29	5.57	5.60	-
533	Variety stores	121.35	123.06	124.13	125.57	-	4.17	4.20	4.31	4.33	-
539	Misc. general merchandise stores	128.59	129.74	128.92	129.06	-	4.23	4.24	4.37	4.36	-
54	FOOD STORES	211.67	216.78	218.16	219.91	-	6.85	6.86	7.20	7.21	-
541	Grocery stores	221.52	226.49	226.78	229.02	-	7.10	7.10	7.46	7.46	-
546	Retail bakeries	138.59	143.96	143.71	144.07	-	4.88	4.93	4.99	5.02	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	227.86	229.07	235.88	238.50	-	6.06	6.06	6.29	6.36	-
551, 2	New and used car dealers	268.03	268.80	279.30	283.08	-	6.98	7.00	7.35	7.43	-
553	Auto and home supply stores	229.07	227.66	242.20	243.82	-	5.67	5.58	6.01	6.05	-
554	Gasoline service stations	172.18	172.66	176.79	179.28	-	4.85	4.85	4.98	5.05	-
56	APPAREL AND ACCESSORY STORES	130.67	132.59	134.00	135.59	-	4.65	4.62	4.82	4.86	-
561	Men's and boys' clothing and furnishings	167.69	168.32	169.26	172.05	-	5.29	5.26	5.46	5.55	-
562	Women's ready-to-wear stores	116.04	118.25	117.40	120.60	-	4.33	4.30	4.43	4.50	-
565	Family clothing stores	125.05	128.70	133.84	134.80	-	4.45	4.50	4.78	4.78	-
566	Shoe stores	137.55	138.05	139.93	139.74	-	4.93	4.81	5.07	5.10	-
57	FURNITURE AND HOME FURNISHINGS STORES	201.48	203.93	211.48	212.10	-	5.84	5.86	6.22	6.22	-
571	Furniture and home furnishings stores	202.76	204.86	207.93	210.24	-	5.86	5.87	6.17	6.22	-
572	Household appliance stores	219.48	222.41	222.61	225.16	-	6.20	6.23	6.49	6.47	-
573	Radio, television, and music stores	186.48	190.18	213.21	210.11	-	5.55	5.61	6.18	6.09	-
58	EATING AND DRINKING PLACES ⁵	101.79	103.75	105.30	107.57	-	3.93	3.93	4.05	4.09	-
59	MISCELLANEOUS RETAIL	159.00	160.02	165.01	166.16	-	5.08	5.08	5.34	5.36	-
591	Drug stores and proprietary stores	135.25	137.89	145.58	145.44	-	4.68	4.69	5.02	5.05	-
594	Miscellaneous shopping goods stores	145.31	147.87	148.40	149.70	-	4.78	4.77	4.98	4.99	-
598	Nonstore retailers	198.32	197.32	197.96	202.34	-	5.92	5.89	6.11	6.15	-
598	Fuel and ice dealers	254.22	256.90	273.89	266.21	-	6.69	6.69	7.17	7.08	-
599	Retail stores, nec	171.20	168.78	178.62	183.53	-	5.05	5.13	5.38	5.43	-
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	225.63	225.63	240.37	245.39	241.15	6.25	6.25	6.64	6.76	6.68
60	BANKING	194.55	194.91	208.05	211.91	-	5.33	5.34	5.70	5.79	-
602	Commercial and stock savings banks	191.63	191.63	204.77	208.62	-	5.25	5.25	5.61	5.70	-
61	CREDIT AGENCIES OTHER THAN BANKS	202.03	202.95	218.22	221.03	-	5.52	5.53	5.93	5.99	-
612	Savings and loan associations	187.72	188.96	199.63	202.00	-	5.20	5.22	5.53	5.58	-
614	Personal credit institutions	200.93	202.39	221.49	224.69	-	5.49	5.47	5.97	6.04	-
63	INSURANCE CARRIERS	254.82	258.22	279.74	283.46	-	6.85	6.96	7.52	7.62	-
631	Life insurance	264.08	269.70	287.93	290.16	-	7.08	7.25	7.74	7.90	-
632	Medical service and health insurance	242.25	243.00	265.50	272.63	-	6.46	6.48	7.08	7.27	-
633	Fire, marine, and casualty insurance	248.09	249.61	276.02	280.09	-	6.76	6.82	7.46	7.57	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.9	39.6	38.9	39.0	-	-	-	-	-	
506	Electrical goods	38.9	38.8	39.0	38.9	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.4	38.3	38.6	38.7	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.3	39.4	39.0	39.2	-	-	-	-	-	
509	Miscellaneous durable goods	38.5	38.4	37.2	38.0	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	37.8	38.0	37.6	37.9	-	-	-	-	-	
511	Paper and paper products	36.8	36.8	37.0	37.5	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	36.7	37.3	36.2	36.5	-	-	-	-	-	
513	Apparel, piece goods, and notions	37.0	36.7	36.3	36.6	-	-	-	-	-	
514	Groceries and related products	38.3	38.3	37.7	37.9	-	-	-	-	-	
516	Chemicals and allied products	38.6	38.9	38.8	38.6	-	-	-	-	-	
517	Petroleum and petroleum products	39.3	39.1	39.6	39.3	-	-	-	-	-	
518	Beer, wine, and distilled beverages	36.8	37.1	36.6	36.4	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.3	38.4	38.1	38.7	-	-	-	-	-	
52-59	RETAIL TRADE	29.9	30.3	29.6	29.8	30.1	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.6	37.1	35.9	36.2	-	-	-	-	-	
521	Lumber and other building materials	38.6	39.0	37.4	37.8	-	-	-	-	-	
525	Hardware stores	33.5	34.1	33.6	33.9	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.2	29.5	28.3	28.9	-	-	-	-	-	
531	Department stores	29.1	29.4	28.2	28.8	-	-	-	-	-	
533	Variety stores	29.1	29.3	28.8	29.0	-	-	-	-	-	
539	Misc. general merchandise stores	30.4	30.6	29.5	29.6	-	-	-	-	-	
54	FOOD STORES	30.9	31.6	30.3	30.5	-	-	-	-	-	
541	Grocery stores	31.2	31.9	30.4	30.7	-	-	-	-	-	
546	Retail bakeries	28.4	29.2	28.8	28.7	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.6	37.8	37.5	37.5	-	-	-	-	-	
551, 2	New and used car dealers	38.4	38.4	38.0	38.1	-	-	-	-	-	
553	Auto and home supply stores	40.4	40.8	40.3	40.3	-	-	-	-	-	
554	Gasoline service stations	35.5	35.6	35.5	35.5	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.1	28.7	27.8	27.9	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.7	32.0	31.0	31.0	-	-	-	-	-	
562	Women's ready-to-wear stores	26.8	27.5	26.5	26.8	-	-	-	-	-	
565	Family clothing stores	28.1	28.6	28.0	28.2	-	-	-	-	-	
566	Shoe stores	27.9	28.7	27.6	27.4	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.5	34.8	34.0	34.1	-	-	-	-	-	
571	Furniture and home furnishings stores	34.6	34.9	33.7	33.8	-	-	-	-	-	
572	Household appliance stores	35.4	35.7	34.3	34.8	-	-	-	-	-	
573	Radio, television, and music stores	33.6	33.9	34.5	34.5	-	-	-	-	-	
58	EATING AND DRINKING PLACES	25.9	26.4	26.0	26.3	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	31.3	31.5	30.9	31.0	-	-	-	-	-	
591	Drug stores and proprietary stores	28.9	29.4	29.0	28.8	-	-	-	-	-	
594	Miscellaneous shopping goods stores	30.4	31.0	29.8	30.0	-	-	-	-	-	
596	Nonstore retailers	33.5	33.5	32.4	32.9	-	-	-	-	-	
598	Fuel and ice dealers	38.0	38.4	38.2	37.6	-	-	-	-	-	
599	Retail stores, nec	33.9	32.9	33.2	33.8	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE	36.1	36.1	36.2	36.3	36.1	-	-	-	-	
60	BANKING	36.5	36.5	36.5	36.6	-	-	-	-	-	
602	Commercial and stock savings banks	36.5	36.5	36.5	36.6	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.6	36.7	36.8	36.9	-	-	-	-	-	
612	Savings and loan associations	36.1	36.2	36.1	36.2	-	-	-	-	-	
614	Personal credit institutions	36.6	37.0	37.1	37.2	-	-	-	-	-	
63	INSURANCE CARRIERS	37.2	37.1	37.2	37.2	-	-	-	-	-	
631	Life insurance	37.3	37.2	37.2	37.2	-	-	-	-	-	
632	Medical service and health insurance	37.5	37.5	37.5	37.5	-	-	-	-	-	
633	Fire, marine, and casualty insurance	36.7	36.6	37.0	37.0	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
-	SERVICES	\$206.05	\$206.99	\$221.33	\$221.62	\$222.36	\$6.34	\$6.33	\$6.81	\$6.84	\$6.80
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ²	148.46	148.80	148.50	151.28	-	4.82	4.80	4.95	4.96	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	162.24	163.59	168.32	171.70	-	4.80	4.84	5.07	5.11	-
723	Beauty shops ³	140.40	141.90	148.84	152.15	-	4.68	4.73	4.88	4.94	-
73	BUSINESS SERVICES	211.89	213.19	224.94	227.92	-	6.46	6.48	6.90	6.97	-
731	Advertising	311.30	312.57	321.66	331.08	-	8.72	8.78	8.96	9.30	-
734	Services to buildings	149.60	148.51	148.90	150.32	-	5.46	5.44	5.64	5.63	-
737	Computer and data processing services	293.18	293.46	315.98	320.17	-	7.86	7.91	8.54	8.63	-
75	AUTO REPAIR, SERVICES, AND GARAGES	240.41	244.86	254.10	252.50	-	6.36	6.41	6.74	6.68	-
753	Automotive repair shops	267.34	271.76	283.08	278.58	-	6.82	6.88	7.24	7.18	-
76	MISCELLANEOUS REPAIR SERVICES	297.97	301.43	302.93	304.13	-	7.66	7.67	7.93	7.92	-
78	MOTION PICTURES	215.06	206.55	224.04	200.88	-	8.24	7.65	8.65	8.10	-
781	Motion picture production and services	442.60	424.84	446.42	419.49	-	11.74	11.18	13.13	12.23	-
79	AMUSEMENT AND RECREATION SERVICES	176.32	175.99	183.82	182.46	-	6.08	5.77	6.21	6.27	-
80	HEALTH SERVICES	204.05	205.95	224.00	224.98	-	6.24	6.26	6.85	6.88	-
801	Offices of physicians	207.69	208.01	212.11	216.19	-	6.45	6.46	6.67	6.82	-
802	Offices of dentists	177.44	175.34	185.92	186.09	-	6.27	6.24	6.64	6.67	-
805	Nursing and personal care facilities	138.60	140.12	150.24	150.89	-	4.50	4.52	4.80	4.79	-
806	Hospitals	226.45	229.14	250.86	251.13	-	6.68	6.70	7.40	7.43	-
81	LEGAL SERVICES	271.10	273.14	294.45	297.88	-	7.95	8.01	8.51	8.71	-
89	MISCELLANEOUS SERVICES	349.10	354.33	388.26	388.11	-	9.26	9.30	9.93	10.16	-
891	Engineering and architectural services	387.00	386.88	426.66	429.85	-	10.00	9.92	10.94	10.91	-
893	Accounting, auditing, and bookkeeping	287.61	297.04	327.24	316.46	-	7.69	7.90	8.10	8.53	-

¹ For coverage of series, see footnote 1, table B-2.

² Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of non-supervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

* Money payments only; tips, not included.

• Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry— Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1981	June 1981	Apr. 1982	May 1982P	June 1982P	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
-	SERVICES	32.5	32.7	32.5	32.4	32.7	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts ⁵	30.8	31.0	30.0	30.5	-	-	-	-	-	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	33.8	33.8	33.2	33.6	-	-	-	-	-	-
723	Beauty shops ⁵	30.0	30.0	30.5	30.8	-	-	-	-	-	-
73	BUSINESS SERVICES	32.8	32.9	32.6	32.7	-	-	-	-	-	-
731	Advertising	35.7	35.6	35.9	35.6	-	-	-	-	-	-
734	Services to buildings	27.4	27.3	26.4	26.7	-	-	-	-	-	-
737	Computer and data processing services	37.3	37.1	37.0	37.1	-	-	-	-	-	-
75	AUTO REPAIR, SERVICES, AND GARAGES	37.8	38.2	37.7	37.8	-	-	-	-	-	-
753	Automotive repair shops	39.2	39.5	39.1	38.8	-	-	-	-	-	-
76	MISCELLANEOUS REPAIR SERVICES	38.9	39.3	38.2	38.4	-	-	-	-	-	-
78	MOTION PICTURES	26.1	27.0	25.9	24.8	-	-	-	-	-	-
781	Motion picture production and services	37.7	38.0	34.0	34.3	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	29.0	30.5	29.6	29.1	-	-	-	-	-	-
80	HEALTH SERVICES	32.7	32.9	32.7	32.7	-	-	-	-	-	-
801	Offices of physicians	32.2	32.2	31.8	31.7	-	-	-	-	-	-
802	Offices of dentists	28.3	28.1	28.0	27.9	-	-	-	-	-	-
805	Nursing and personal care facilities	30.8	31.0	31.3	31.5	-	-	-	-	-	-
806	Hospitals	33.9	34.2	33.9	33.8	-	-	-	-	-	-
81	LEGAL SERVICES	34.1	34.1	34.6	34.2	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	37.7	38.1	39.1	38.2	-	-	-	-	-	-
891	Engineering and architectural services	38.7	39.0	39.0	39.4	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping	37.4	37.6	40.4	37.1	-	-	-	-	-	-

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
MANUFACTURING	\$7.64	\$7.69	\$8.19	\$8.22	\$8.26
DURABLE GOODS	8.17	8.23	8.72	8.78	8.82
Lumber and wood products	6.68	6.85	7.05	7.18	-
Furniture and fixtures	5.70	5.75	6.11	6.15	-
Stone, clay, and glass products	7.82	7.92	8.36	8.43	-
Primary metal industries	10.27	10.33	10.97	10.97	-
Fabricated metal products	7.88	7.92	8.49	8.57	-
Machinery, except electrical	8.39	8.44	9.00	9.04	-
Electric and electronic equipment	7.30	7.35	7.87	7.89	-
Transportation equipment	9.88	10.01	10.57	10.69	-
Instruments and related products	7.10	7.13	7.92	8.02	-
Miscellaneous manufacturing industries	5.78	5.78	6.23	6.25	-
NONDURABLE GOODS	6.85	6.87	7.43	7.42	7.46
Food and kindred products	7.09	7.09	7.60	7.58	-
Tobacco manufactures	8.80	9.14	9.92	9.78	-
Textile mill products	5.18	5.19	5.64	5.63	-
Apparel and other textile products	4.88	4.89	5.12	5.09	-
Paper and allied products	8.00	8.11	8.69	8.75	-
Printing and publishing	7.83	7.88	8.36	8.38	-
Chemicals and allied products	8.65	8.72	9.49	9.52	-
Petroleum and coal products	10.78	10.81	11.98	11.90	-
Rubber and misc. plastics products	6.86	6.86	7.30	7.29	-
Leather and leather products	4.86	4.86	5.23	5.18	-

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

p=preliminary.

C-4. Gross average weekly earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
TOTAL PRIVATE:					
Current dollars	\$252.38	\$254.88	\$262.27	\$265.52	\$266.70
Constant (1977) dollars	170.18	170.49	167.80	168.16	-
MINING:					
Current dollars	424.95	420.04	454.76	453.90	\$451.08
Constant (1977) dollars	286.55	286.96	290.95	287.46	-
CONSTRUCTION:					
Current dollars	391.09	395.81	415.44	429.00	\$427.11
Constant (1977) dollars	263.72	264.76	265.80	271.69	-
MANUFACTURING:					
Current dollars	317.59	320.39	325.85	329.55	\$333.59
Constant (1977) dollars	214.15	214.31	208.48	208.71	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	376.10	381.52	393.43	396.00	\$398.19
Constant (1977) dollars	253.61	255.20	251.71	250.79	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	188.48	190.51	195.91	197.78	\$199.32
Constant (1977) dollars	127.09	127.43	125.34	125.26	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	225.63	225.63	240.37	245.39	\$241.15
Constant (1977) dollars	152.14	150.92	153.79	155.41	-
SERVICES:					
Current dollars	206.05	206.99	221.33	221.62	\$222.36
Constant (1977) dollars	138.94	138.45	141.61	140.35	-

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	Hours				
TOTAL PRIVATE	107.9	109.9	103.9	105.1	106.5
GOODS-PRODUCING	101.9	104.1	91.1	92.9	93.9
MINING	116.9	134.6	135.4	132.7	129.7
CONSTRUCTION	111.0	115.0	96.0	105.0	107.8
MANUFACTURING	99.5	100.5	88.1	88.7	89.5
DURABLE GOODS	100.5	101.2	87.2	87.4	88.1
Lumber and wood products.....	93.2	94.3	75.2	79.3	82.1
Furniture and fixtures.....	97.9	99.2	87.4	86.5	88.2
Stone, clay, and glass products.....	93.5	95.3	79.5	81.9	83.5
Primary metal industries.....	94.5	95.2	74.2	71.0	72.3
Fabricated metal products.....	98.4	99.3	84.6	84.8	85.5
Machinery, except electrical.....	110.7	111.4	99.1	97.5	95.7
Electric and electronic equipment.....	106.2	107.2	97.0	97.2	98.2
Transportation equipment.....	95.9	95.0	80.5	82.9	83.5
Instruments and related products.....	113.4	114.7	106.5	108.0	108.4
Miscellaneous manufacturing industries.....	90.8	92.4	83.3	83.5	84.6
NONDURABLE GOODS	98.0	99.5	89.5	90.4	91.6
Food and kindred products.....	95.5	97.3	89.0	91.6	94.2
Tobacco manufactures.....	87.6	89.7	80.1	79.7	83.6
Textile mill products.....	90.3	91.4	76.7	77.0	75.6
Apparel and other textile products.....	96.0	98.2	84.7	86.1	87.7
Paper and allied products.....	99.3	101.2	93.0	92.0	93.1
Printing and publishing.....	106.5	106.2	105.8	105.4	105.2
Chemicals and allied products.....	102.2	103.5	95.4	95.8	96.6
Petroleum and coal products.....	107.3	107.9	94.8	97.1	102.2
Rubber and misc. plastics products.....	102.5	103.8	93.0	93.7	95.1
Leather and leather products.....	93.0	96.1	78.4	80.9	82.3
SERVICE-PRODUCING	111.3	113.1	110.9	111.9	113.4
TRANSPORTATION AND PUBLIC UTILITIES	104.9	107.3	101.3	102.3	103.0
WHOLESALE AND RETAIL TRADE	105.5	107.4	104.0	105.8	107.3
WHOLESALE TRADE	111.4	112.7	108.8	109.6	110.9
RETAIL TRADE	103.2	105.4	102.1	104.3	106.0
FINANCE, INSURANCE, AND REAL ESTATE	116.8	118.3	116.4	117.3	118.5
SERVICES	118.9	120.6	121.1	121.3	123.0

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	May 1981	June 1981	Apr. 1982	May 1982P	June 1982P
	Payrolls				
TOTAL PRIVATE	147.5	150.9	149.9	152.9	154.7
GOODS-PRODUCING	141.1	145.4	134.7	138.4	140.7
MINING	163.1	192.5	207.6	204.1	200.5
CONSTRUCTION	144.7	151.1	134.1	148.2	152.0
MANUFACTURING	138.8	141.1	130.6	132.0	134.1
DURABLE GOODS	140.4	142.5	128.6	130.1	131.8
Lumber and wood products	126.6	131.2	106.9	115.1	120.8
Furniture and fixtures	131.7	134.8	125.0	124.7	128.1
Stone, clay, and glass products	131.9	136.3	119.4	124.0	127.5
Primary metal industries	136.3	138.2	112.6	107.8	110.8
Fabricated metal products	135.9	138.3	124.5	126.2	127.6
Machinery, except electrical	154.6	156.5	146.3	144.6	142.9
Electric and electronic equipment	148.0	150.4	144.5	145.4	147.4
Transportation equipment	135.9	136.2	120.4	126.1	128.3
Instruments and related products	156.4	159.0	162.5	167.1	167.7
Miscellaneous manufacturing industries	123.2	125.3	121.1	122.2	124.4
NONDURABLE GOODS	136.1	138.8	134.1	135.3	138.0
Food and kindred products	131.8	134.2	130.8	134.7	138.4
Tobacco manufactures	143.2	151.2	145.2	142.5	157.9
Textile mill products	122.2	124.2	111.5	111.8	109.8
Apparel and other textile products	131.4	134.8	121.1	122.6	124.9
Paper and allied products	140.2	145.2	142.2	141.1	144.2
Printing and publishing	140.5	140.8	148.5	148.1	148.9
Chemicals and allied products	142.9	145.9	145.5	146.3	149.4
Petroleum and coal products	154.8	155.8	151.4	154.2	163.1
Rubber and misc. plastics products	141.2	143.2	135.4	136.5	140.2
Leather and leather products	127.8	132.7	115.7	118.3	121.1
SERVICE-PRODUCING	152.1	154.7	160.8	163.1	164.6
TRANSPORTATION AND PUBLIC UTILITIES	143.5	147.4	147.0	149.0	150.4
WHOLESALE AND RETAIL TRADE	145.1	147.8	150.2	153.4	155.4
WHOLESALE TRADE	154.8	156.7	161.0	163.3	164.4
RETAIL TRADE	139.9	143.0	144.4	148.1	150.5
FINANCE, INSURANCE, AND REAL ESTATE	160.7	162.8	170.2	174.4	174.1
SERVICES	162.1	164.2	177.2	178.4	179.8

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-6. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May p	June P
TOTAL PRIVATE	35.2	35.3	35.2	35.0	35.1	35.1	35.0	34.4	35.0	34.9	34.9	34.9	34.8
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	40.1	40.0	39.9	39.4	39.5	39.3	39.1	37.6	39.4	39.0	39.0	39.1	39.1
<i>Overtime hours</i>	3.0	3.0	3.0	2.7	2.7	2.5	2.4	2.3	2.4	2.3	2.4	2.3	2.4
DURABLE GOODS	40.5	40.5	40.4	39.7	40.0	39.7	39.5	38.2	39.8	39.5	39.5	39.5	39.6
<i>Overtime hours</i>	3.0	3.0	3.0	2.7	2.6	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.3
Lumber and wood products	38.9	38.7	38.4	37.6	37.8	37.7	37.7	35.0	37.9	37.6	37.6	38.4	37.7
Furniture and fixtures	38.8	38.6	38.4	37.4	38.0	37.6	37.9	33.6	37.7	37.3	37.4	37.5	37.5
Stone, clay, and glass products	40.7	40.8	40.7	40.3	40.1	40.1	39.7	38.6	40.1	40.0	40.0	40.2	40.3
Primary metal industries	40.9	40.7	40.8	40.6	40.0	39.6	39.2	38.3	39.4	38.8	38.5	38.5	39.1
Fabricated metal products	40.6	40.5	40.4	39.6	40.0	39.7	39.5	38.1	39.7	39.5	39.4	39.5	39.4
Machinery, except electrical	41.1	41.2	41.1	40.3	40.8	40.7	40.4	39.3	40.7	40.2	40.1	39.7	39.6
Electric and electronic equipment	40.2	40.4	40.3	39.7	39.8	39.4	39.5	38.3	39.8	39.4	39.3	39.4	39.4
Transportation equipment	41.4	41.2	41.2	40.1	40.6	40.4	39.7	39.0	40.5	40.4	41.1	41.0	41.5
Instruments and related products	40.4	40.5	40.6	40.4	40.3	40.2	39.9	39.0	39.9	39.9	39.9	40.1	39.8
Miscellaneous manufacturing ind	39.0	39.0	38.9	38.4	38.9	39.0	38.5	37.3	38.6	38.6	38.5	38.7	38.6
NONDURABLE GOODS	39.4	39.2	39.2	38.9	38.9	38.7	38.6	36.8	38.9	38.5	38.4	38.5	38.5
<i>Overtime hours</i>	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.6	2.5	2.6	2.5	2.4
Food and kindred products	39.7	39.5	39.4	39.3	39.5	39.5	39.8	39.1	40.2	39.5	39.4	39.3	39.6
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	40.1	40.1	39.8	38.8	39.0	38.7	37.8	32.3	38.3	37.6	37.7	37.9	37.8
Apparel and other textile products	35.9	35.8	35.9	35.2	35.5	35.5	35.1	31.4	35.5	35.0	34.7	34.8	34.8
Paper and allied products	42.7	42.7	42.5	43.0	42.4	42.0	41.8	41.3	42.3	41.8	42.1	41.8	41.7
Printing and publishing	37.4	37.3	37.3	37.1	37.1	37.1	37.1	36.9	37.4	37.1	37.1	36.9	37.1
Chemicals and allied products	41.7	41.7	41.7	42.2	41.5	41.2	41.3	41.0	41.2	40.7	40.7	41.0	40.9
Petroleum and coal products	43.4	43.1	42.9	43.1	42.2	42.5	42.7	44.3	43.5	43.5	44.0	44.0	44.5
Rubber and misc. plastics products	40.9	40.5	40.5	39.7	39.9	39.6	39.4	37.9	40.0	39.6	39.8	39.9	40.0
Leather and leather products	37.1	36.4	36.7	36.2	36.7	36.5	36.1	34.1	35.6	35.8	35.6	35.9	35.7
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.1	32.2	32.2	32.1	32.0	32.1	32.0	31.7	32.0	31.9	31.8	32.0	31.9
WHOLESALE TRADE	38.5	38.6	38.6	38.5	38.4	38.5	38.4	38.1	38.5	38.4	38.3	38.5	38.7
RETAIL TRADE	30.0	30.1	30.1	30.1	29.9	30.0	29.9	29.7	29.9	29.8	29.8	30.0	29.8
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.5	32.6	32.5	32.5	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.6	32.6

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

² This series is not published seasonally adjusted since the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May p	June p
TOTAL PRIVATE	108.2	108.8	108.5	107.8	107.7	107.3	106.3	104.3	106.2	105.6	105.2	105.6	105.0
GOODS-PRODUCING	102.1	102.6	102.0	99.8	99.7	98.4	96.3	91.4	95.6	93.9	93.0	93.3	92.1
MINING	131.7	140.4	142.9	142.7	143.9	145.0	145.5	141.6	143.7	142.6	138.4	134.1	126.9
CONSTRUCTION	107.6	108.8	107.4	102.4	106.1	106.9	104.2	96.8	102.9	101.1	100.9	104.6	101.2
MANUFACTURING	99.6	99.7	99.0	97.3	96.4	94.6	92.5	88.0	91.9	90.3	89.3	89.2	88.8
DURABLE GOODS	100.3	100.3	99.6	97.4	96.4	94.0	91.4	87.3	90.6	89.1	87.8	87.7	87.3
Lumber and wood products	90.6	89.8	87.3	84.1	81.8	79.2	77.2	70.9	77.5	76.1	77.6	79.5	79.1
Furniture and fixtures	99.7	99.7	98.7	95.6	95.9	93.1	92.6	80.9	90.0	88.3	87.8	88.1	88.6
Stone, clay, and glass products	92.0	92.0	91.8	90.1	88.2	86.6	83.9	79.3	82.4	81.1	80.2	81.1	80.6
Primary metal industries	94.1	93.3	93.4	92.3	88.6	85.4	81.9	78.5	79.7	77.1	73.6	71.1	71.5
Fabricated metal products	98.4	98.7	97.8	95.4	94.2	91.6	89.3	85.1	88.1	87.0	85.8	85.6	84.8
Machinery, except electrical	111.1	111.7	111.9	109.6	110.4	108.7	106.2	101.6	104.4	101.5	99.2	97.8	95.6
Electric and electronic equipment	106.8	107.8	107.6	105.7	104.9	101.5	99.6	97.2	100.4	98.6	97.8	97.9	98.1
Transportation equipment	94.7	93.4	91.6	88.2	87.6	85.4	80.7	78.3	81.8	81.7	81.4	82.2	83.2
Instruments and related products	113.6	114.6	114.7	114.1	113.0	111.7	110.6	107.3	109.3	108.5	107.4	108.2	107.4
Miscellaneous manufacturing ind	91.3	93.7	91.4	90.5	91.1	91.0	89.3	84.8	86.8	86.2	84.2	84.4	83.6
NONDURABLE GOODS	98.6	98.6	98.1	97.2	96.5	95.4	94.1	89.0	93.8	92.0	91.5	91.4	90.9
Food and kindred products	98.2	98.2	96.7	96.3	97.2	97.3	97.7	95.6	98.9	96.8	95.5	95.7	95.4
Tobacco manufactures	97.1	101.7	104.8	98.3	96.1	94.6	92.1	93.6	94.6	93.6	89.6	88.0	89.6
Textile mill products	90.1	90.8	89.3	87.0	85.8	83.9	80.7	67.7	79.9	76.5	78.0	77.0	74.6
Apparel and other textile products	95.3	95.3	95.3	93.4	93.3	92.7	90.5	79.6	90.0	87.7	85.3	85.3	85.1
Paper and allied products	100.0	100.1	99.5	101.6	98.3	96.6	95.2	93.7	95.4	93.9	94.0	93.0	92.0
Printing and publishing	106.9	106.8	107.0	106.7	106.8	106.5	105.8	107.2	106.7	106.7	106.2	105.8	105.9
Chemicals and allied products	102.3	102.2	102.2	103.2	100.9	99.5	98.9	97.6	97.6	96.4	95.3	95.8	95.6
Petroleum and coal products	105.2	104.5	102.5	102.9	100.1	100.0	99.7	98.7	96.1	96.1	96.5	97.3	99.9
Rubber and misc. plastics products	103.6	103.3	103.6	100.6	99.0	96.3	94.3	90.0	94.0	92.3	94.0	94.8	94.9
Leather and leather products	91.1	91.2	91.0	89.3	90.1	88.3	85.1	79.1	79.5	79.5	79.5	79.3	78.4
SERVICE-PRODUCING	111.6	112.1	112.1	112.2	112.1	112.2	111.8	111.4	112.1	112.0	111.9	112.4	112.0
TRANSPORTATION AND PUBLIC UTILITIES	105.7	105.8	105.2	105.2	104.2	104.4	103.6	102.8	103.7	103.3	102.8	103.0	101.6
WHOLESALE AND RETAIL TRADE	106.1	106.7	106.9	106.8	106.2	106.3	105.4	105.2	106.3	105.9	105.5	106.5	106.1
WHOLESALE TRADE	111.7	112.3	112.4	112.0	111.6	111.8	111.0	109.7	110.7	110.2	109.5	110.2	110.2
RETAIL TRADE	104.0	104.6	104.8	104.9	104.1	104.3	103.3	103.4	104.6	104.2	103.9	105.1	104.6
FINANCE, INSURANCE, AND REAL ESTATE	117.2	117.6	117.9	117.4	117.6	117.4	117.4	116.9	116.8	117.1	117.0	117.9	117.4
SERVICES	118.7	119.4	119.3	119.6	120.4	120.6	120.8	120.3	120.9	121.1	121.5	121.3	121.4

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1981							1982					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Hourly Earnings Index ² (1977=100)													
TOTAL PRIVATE (In current dollars).....	138.4	139.1	140.5	141.4	142.0	143.0	143.5	144.9	145.0	145.4	146.3	147.6	147.9
MINING ³	147.4	149.0	149.5	151.7	151.4	153.4	153.4	156.2	156.0	156.0	156.5	157.0	158.2
CONSTRUCTION.....	130.9	132.2	132.8	133.5	134.7	135.7	136.6	139.9	137.9	138.1	138.7	139.7	139.9
MANUFACTURING.....	141.5	142.4	143.5	144.7	145.4	146.4	146.9	148.9	149.1	149.9	150.8	151.8	152.5
TRANSPORTATION AND PUBLIC UTILITIES.....	139.6	139.0	141.6	141.5	142.3	143.5	144.3	145.5	146.0	146.3	146.9	148.1	149.1
WHOLESALE AND RETAIL TRADE.....	137.6	138.4	139.7	141.0	140.5	141.3	141.7	142.1	142.5	142.8	143.7	145.2	145.2
FINANCE, INSURANCE, AND REAL ESTATE.....	137.1	137.8	140.1	140.4	141.4	142.6	142.0	143.1	143.3	143.8	144.9	147.9	146.6
SERVICES.....	136.7	137.4	139.2	139.7	140.9	142.2	142.6	143.4	143.7	143.9	145.1	146.4	146.5
TOTAL PRIVATE (In 1977 dollars) ⁴	92.9	92.2	92.5	92.1	92.1	92.3	92.3	92.9	92.8	93.3	93.7	93.7	-
Average hourly earnings													
TOTAL PRIVATE.....	\$7.23	\$7.27	\$7.34	\$7.37	\$7.40	\$7.45	\$7.46	\$7.52	\$7.53	\$7.54	\$7.59	\$7.65	\$7.66
MINING.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION.....	10.73	10.82	10.90	10.95	11.06	11.14	11.22	11.52	11.34	11.39	11.43	11.52	11.52
MANUFACTURING.....	7.99	8.03	8.09	8.14	8.16	8.20	8.20	8.38	8.34	8.37	8.44	8.48	8.53
TRANSPORTATION AND PUBLIC UTILITIES.....	9.70	9.68	9.84	9.86	9.89	9.97	10.02	10.09	10.13	10.15	10.18	10.25	10.31
WHOLESALE AND RETAIL TRADE.....	5.91	5.94	5.98	6.03	6.03	6.06	6.08	6.09	6.10	6.12	6.16	6.20	6.21
FINANCE, INSURANCE, AND REAL ESTATE.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES.....	6.39	6.42	6.51	6.54	6.58	6.63	6.65	6.71	6.72	6.72	6.80	6.84	6.86
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars.....	254.50	256.63	258.37	257.95	259.74	261.50	261.10	258.69	263.55	263.15	264.89	266.99	266.57
1977 dollars ⁴	170.92	170.18	170.09	168.05	168.44	168.82	167.91	165.93	168.62	168.79	169.69	169.41	-

¹ For coverage of series, see footnote 1, table B-2.

² The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

³ The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

⁴ The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

⁵ See footnote 2, table C-8.

p=preliminary.

C-9. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	Apr 11 R1982	May R1982	June P1982	June 1981 to June 1982	Apr. 1982 to May 1982	May 1982 to June 1982
TOTAL	167,565	167,800	166,263	-2.2	0.1	-0.9
PRIVATE SECTOR	136,164	136,499	135,121	-2.5	0.2	-1.0
MINING.....	2,661	2,564	2,421	-1.7	-3.6	-5.6
CONSTRUCTION.....	7,500	7,711	7,406	-5.2	2.8	-4.0
MANUFACTURING.....	39,013	38,973	38,535	-8.2	-0.1	-1.1
DURABLE GOODS.....	23,424	23,366	23,110	-9.6	-0.2	-1.1
NONDURABLE GOODS.....	15,589	15,607	15,425	-6.0	0.1	-1.2
TRANSPORTATION AND PUBLIC UTILITIES.....	10,360	10,352	10,240	-3.4	-0.1	-1.1
WHOLESALE AND RETAIL TRADE.....	34,330	34,524	34,310	-0.2	0.6	-0.6
FINANCE, INSURANCE, AND REAL ESTATE.....	10,046	10,121	10,064	0.8	0.7	-0.6
SERVICES.....	32,255	32,255	32,145	2.3	0.0	-0.3
GOVERNMENT	31,401	31,301	31,141	-1.0	-0.3	-0.5

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

² "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-10. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1979		1980				1981				1982
	1980	1981	III	IV	I	II	III	IV	I	II	III	IV	I
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	99.3	100.4	99.4	99.1	99.5	99.1	99.4	99.1	100.3	101.2	100.9	99.2	98.9
Output	106.8	109.0	107.7	108.2	108.7	105.4	105.7	107.5	109.5	109.5	109.4	107.5	r106.4
Hours	107.5	108.5	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.2	108.4	108.4	r107.6
Compensation per hour	131.5	144.6	120.7	123.2	126.4	130.1	133.1	135.9	139.8	143.3	146.5	148.5	r151.2
Real compensation per hour	96.7	r96.3	99.2	98.0	96.7	96.6	96.9	96.0	96.1	96.9	96.3	95.8	r96.8
Unit labor costs	132.4	144.0	121.4	124.3	127.0	131.3	133.9	137.1	139.4	141.6	145.2	149.7	r152.8
Unit nonlabor payments	118.3	130.6	111.5	112.2	115.2	116.0	119.7	122.7	127.6	129.3	132.4	132.6	r129.2
Implicit price deflator	127.6	139.4	118.1	120.2	123.0	126.1	129.1	132.2	135.4	137.5	140.9	143.9	144.9
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	98.8	99.7	98.9	98.8	98.9	98.2	99.0	99.0	100.0	100.4	99.9	98.2	98.3
Output	106.8	108.8	107.8	108.2	108.5	105.1	105.8	107.7	109.7	109.4	109.0	106.9	r106.2
Hours	108.1	109.1	109.0	109.4	109.7	107.0	106.9	108.8	109.7	109.0	109.1	108.9	108.0
Compensation per hour	130.8	143.9	120.2	123.0	126.0	129.4	132.3	135.4	139.2	142.4	145.7	147.9	r150.8
Real compensation per hour	96.2	95.9	98.8	97.8	96.4	96.0	96.3	95.7	95.7	96.3	95.8	95.4	r96.5
Unit labor costs	132.4	144.3	121.5	124.4	127.4	131.8	133.6	136.8	139.1	141.9	145.8	150.7	r153.3
Unit nonlabor payments	117.6	130.4	109.2	110.1	113.9	115.1	119.2	122.0	127.8	128.7	132.2	132.8	r129.7
Implicit price deflator	127.4	139.7	117.4	119.7	122.9	126.3	128.8	131.9	135.3	137.5	141.2	144.7	r145.4
MANUFACTURING:													
Output per hour of all persons	101.7	r104.0	102.0	102.1	102.1	100.8	100.7	103.1	r103.9	r104.8	105.0	102.0	r100.7
Output	103.6	r105.8	108.5	108.3	108.1	101.7	99.9	104.9	r106.7	r107.4	r107.3	101.9	r98.1
Hours	101.9	101.7	106.4	106.0	105.8	100.9	99.2	101.8	102.7	102.5	102.2	99.9	r97.4
Compensation per hour	131.6	146.2	119.8	122.3	125.4	130.0	133.9	137.3	141.1	144.8	148.0	150.8	154.7
Real compensation per hour	96.8	97.4	98.5	97.2	96.0	96.5	97.5	97.0	97.1	97.9	97.3	97.3	99.0
Unit labor costs	129.4	r140.6	117.5	119.8	122.8	129.0	133.0	133.2	r135.8	r138.2	141.0	147.8	r153.5
DURABLE GOODS													
Output per hour of all persons	99.7	r102.3	100.1	100.4	100.0	99.0	98.4	101.0	r102.1	r103.3	r103.3	100.1	r98.2
Output	102.9	r105.1	109.5	109.1	108.5	100.8	98.0	104.1	r106.0	r107.2	106.7	100.6	r95.8
Hours	103.2	102.8	109.3	108.7	108.4	101.8	99.7	103.0	103.9	103.7	103.3	100.4	r97.6
Compensation per hour	131.7	146.9	119.3	121.5	125.2	130.0	134.2	137.8	141.7	145.3	148.7	151.5	r155.3
Real compensation per hour	96.9	97.9	98.1	96.6	95.8	96.5	97.7	97.4	97.4	98.3	97.7	97.7	r99.4
Unit labor costs	132.1	143.6	119.2	121.1	125.1	131.3	136.4	136.4	r138.8	r140.7	r143.9	151.3	158.2
NONDURABLE GOODS													
Output per hour of all persons	104.9	r106.6	105.0	104.9	105.4	103.5	104.3	106.3	r106.7	r107.1	r107.7	104.8	r104.5
Output	104.8	r106.8	107.0	107.0	107.4	102.9	102.6	106.2	r107.6	107.7	r108.2	103.8	r101.5
Hours	99.9	100.2	101.9	102.0	102.0	99.5	98.4	99.9	100.9	100.6	100.5	99.1	r97.1
Compensation per hour	130.9	144.7	119.9	122.9	125.0	129.6	133.3	136.0	139.7	143.3	146.4	149.2	r153.4
Real compensation per hour	96.3	96.4	98.5	97.7	95.7	96.2	97.1	96.1	96.1	96.9	96.2	96.3	r98.2
Unit labor costs	124.8	r135.7	114.2	117.2	118.7	125.3	127.8	127.9	r130.9	r133.8	136.0	142.4	r146.8
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	101.0	103.5	100.5	99.9	100.2	100.1	101.8	101.8	103.4	104.0	103.8	102.4	p102.3
Output	108.5	112.3	109.4	109.3	109.9	106.8	107.7	109.7	112.8	112.8	112.8	110.5	p109.2
Hours	107.5	108.5	108.9	109.4	109.6	106.7	105.8	107.8	109.1	108.5	108.6	108.0	p106.8
Compensation per hour	130.7	143.9	120.1	122.7	125.7	129.3	132.5	135.5	139.3	142.4	145.5	148.0	p151.1
Real compensation per hour	96.2	95.9	98.7	97.5	96.2	95.9	96.5	95.7	95.8	96.3	95.7	95.5	p 96.7
Total unit costs	129.7	140.9	118.2	121.3	124.2	129.2	131.1	134.1	136.0	138.7	142.2	147.0	p150.0
Unit labor costs	129.4	139.0	119.5	122.8	125.4	129.1	130.2	133.1	134.7	137.0	140.2	144.6	p147.7
Unit nonlabor costs	130.2	146.1	114.6	117.2	120.9	129.3	133.8	136.9	139.5	143.6	147.7	153.8	p156.3
Unit profits	90.2	103.6	97.5	92.2	95.5	83.4	89.1	92.4	106.8	102.8	106.7	96.6	p 80.7
Implicit price deflator	125.2	136.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	134.7	138.2	141.4	p142.2

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-11. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	1980 III to	1980 IV to	1981 I to	1981 II to	1981 III to	1981 IV to	1979 IV to	1980 I to	1980 II to	1980 III to	1980 IV to	1981 I to
	1980 IV	1981 I	1981 II	1981 III	1981 IV	1982 I	1980 IV	1981 I	1981 II	1981 III	1981 IV	1982 I
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-1.1	4.7	3.5	-1.1	-6.6	r-0.9	0.0	0.8	2.1	1.5	0.0	-1.4
Output	6.9	7.9	-0.1	-0.3	-6.8	r-3.9	-0.7	0.8	3.9	3.5	0.0	r-2.8
Hours	8.1	3.0	-3.5	0.8	-0.2	r-3.0	-0.7	0.0	1.7	2.0	0.0	r-1.5
Compensation per hour	8.6	11.9	10.4	9.3	5.5	r7.6	10.3	10.6	10.1	10.1	9.3	r8.2
Real compensation per hour	-3.8	0.5	3.2	-2.3	-2.1	r4.2	-2.0	-0.6	0.3	-0.6	-0.2	r0.7
Unit labor costs	9.8	6.9	6.6	10.6	13.0	r8.6	10.3	9.7	7.8	8.5	9.3	r9.7
Unit nonlabor payments	10.2	17.1	5.3	11.3	0.4	r- 9.7	9.3	10.8	11.5	10.6	8.1	r1.3
Implicit price deflator	9.9	10.0	6.2	10.4	8.9	r2.6	10.0	10.1	9.0	9.1	8.9	7.0
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-0.2	4.4	1.4	-1.7	-6.9	r0.5	0.2	1.2	2.3	0.9	-0.8	r-1.7
Output	7.1	7.9	-1.1	-1.4	-7.7	r-2.5	-0.5	1.1	4.1	3.0	-0.7	r-3.2
Hours	7.3	3.4	-2.5	0.4	-0.9	r-3.0	-0.6	-0.1	1.8	2.1	0.1	r-1.5
Compensation per hour	9.8	11.7	9.6	9.5	6.3	r7.9	10.1	10.5	10.0	10.2	9.3	r8.3
Real compensation per hour	-2.7	0.3	2.5	-2.2	-1.4	r4.5	-2.2	-0.7	0.3	-0.6	-0.2	r0.8
Unit labor costs	10.1	7.0	8.1	11.5	14.1	r7.3	9.9	9.2	7.6	9.2	10.1	r10.2
Unit nonlabor payments	9.9	20.2	3.0	11.3	1.8	r- 9.0	10.8	12.2	11.8	10.9	8.8	r1.5
Implicit price deflator	10.0	11.0	6.5	11.4	10.1	r2.1	10.2	10.1	8.9	9.7	9.7	7.5
MANUFACTURING:												
Output per hour of all persons	9.8	r3.1	r3.5	r0.9	r-11.0	r-4.9	1.0	r1.8	r4.0	r4.3	-1.1	-3.0
Output	21.8	r6.8	r2.8	r-0.4	r-18.7	r-14.1	-3.1	r-1.3	r 5.6	7.4	-2.9	r-8.1
Hours	11.0	3.6	-0.8	-1.2	-8.7	r-9.7	-4.0	-3.0	1.6	3.0	-1.9	r-5.2
Compensation per hour	10.5	11.6	10.8	9.3	7.6	r10.7	12.3	12.5	11.4	10.5	9.8	9.6
Real compensation per hour	-2.2	0.2	3.5	-2.4	-0.2	r7.2	-0.2	1.1	1.5	-0.2	0.3	2.0
Unit labor costs	0.6	r8.2	r7.0	r8.3	r20.9	r16.5	11.2	r10.6	r7.1	6.0	11.0	13.0
DURABLE GOODS												
Output per hour of all persons	11.3	r4.3	r4.9	r0.0	r-11.7	r-7.5	0.6	r2.1	r4.3	5.0	-0.9	r-3.8
Output	26.9	r7.8	r4.3	r-1.7	r-21.1	r-17.6	-4.6	r-2.2	r6.3	8.8	-3.4	r-9.6
Hours	14.1	3.4	-0.5	-1.7	-10.7	r-11.0	-5.2	-4.2	1.9	3.6	-2.5	r-6.1
Compensation per hour	11.2	11.8	10.7	9.5	7.8	r10.5	13.4	13.2	11.8	10.8	9.9	r9.6
Real compensation per hour	-1.4	0.3	3.5	-2.1	0.0	r7.0	0.8	1.7	1.9	0.0	0.4	r2.0
Unit labor costs	0.0	r7.2	r5.6	r9.5	r22.0	19.5	12.7	r10.9	r7.2	r5.5	10.9	r13.9
NONDURABLE GOODS												
Output per hour of all persons	7.9	r1.4	r1.6	r2.1	r-10.1	r-1.3	1.4	r1.3	r3.5	3.2	-1.4	r-2.1
Output	14.9	r5.6	r0.4	r1.5	r-15.0	r- 8.8	-0.7	r0.2	r4.7	5.4	-2.2	r-5.7
Hours	6.4	3.9	-1.1	-0.6	-5.4	r-7.7	-2.1	-1.0	1.1	2.1	-0.9	r-3.7
Compensation per hour	8.2	11.4	10.7	8.9	8.0	r11.5	10.6	11.7	10.5	9.8	9.8	9.8
Real compensation per hour	-4.2	0.0	3.5	-2.7	0.2	r8.0	-1.7	0.4	0.7	-0.9	0.2	2.2
Unit labor costs	0.2	r9.8	r9.0	r6.7	r20.2	r13.0	9.1	r10.3	r6.8	6.4	11.3	p12.1
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	0.0	6.6	2.2	-0.5	-5.5	p-0.3	1.9	3.2	3.8	2.0	0.6	p-1.1
Output	7.9	11.5	0.1	-0.1	-7.8	p-4.7	0.4	2.6	5.6	4.7	0.7	p-3.2
Hours	7.9	4.6	-2.0	0.5	-2.4	p-4.4	-1.5	-0.5	1.7	2.7	0.1	p-2.1
Compensation per hour	9.4	11.7	9.3	9.1	6.9	p 8.6	10.4	10.8	10.1	9.9	9.2	p 8.5
Real compensation per hour	-3.1	0.3	2.1	-2.5	-0.8	p 5.2	-1.9	-0.4	0.4	-0.8	-0.3	p 0.9
Total unit costs	9.4	5.6	8.4	10.3	14.4	p 8.3	10.5	9.5	7.4	8.4	9.6	p10.3
Unit labor costs	9.4	4.8	7.0	9.7	13.2	p 8.9	8.4	7.4	6.1	7.7	8.6	p 9.7
Unit nonlabor costs	9.5	7.9	12.3	11.8	17.6	p 6.7	16.8	15.4	11.1	10.4	12.3	p12.0
Unit profits	15.7	77.9	-13.9	15.7	-32.6	p-51.4	0.3	11.8	23.3	19.7	4.5	p-24.4
Implicit price deflator	9.9	10.4	6.2	10.7	9.6	p 2.4	9.6	9.7	8.6	9.3	9.2	p7.2

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
ALABAMA	\$278.70	\$287.73	\$283.81	40.1	39.2	39.2	\$6.95	\$7.34	\$7.24
Birmingham.....	312.43	320.88	314.70	39.8	38.8	38.9	7.85	8.27	8.09
Mobile.....	349.66	407.55	(*)	40.8	41.8	(*)	8.57	9.75	(*)
ALASKA	503.26	(*)	(*)	43.8	(*)	(*)	11.49	(*)	(*)
ARIZONA	319.54	329.84	341.43	40.5	38.0	39.2	7.89	8.68	8.71
ARKANSAS	247.42	254.26	257.52	40.1	38.7	38.9	6.17	6.57	6.62
Fayetteville—Springdale.....	227.61	237.58	234.47	40.5	39.4	38.5	5.62	6.03	6.09
Fort Smith.....	250.24	245.24	247.11	39.1	38.2	37.9	6.40	6.42	6.52
Little Rock—North Little Rock.....	279.10	291.08	303.77	40.1	38.2	39.4	6.96	7.62	7.71
Pine Bluff.....	311.36	340.72	342.79	40.7	41.4	41.3	7.65	8.23	8.30
CALIFORNIA	334.32	353.47	361.17	39.8	38.8	39.3	8.40	9.11	9.19
COLORADO	325.14	329.33	332.54	39.7	39.3	39.4	8.19	8.38	8.44
Denver—Boulder.....	324.35	330.85	333.20	39.7	39.2	39.2	8.17	8.44	8.50
CONNECTICUT	318.24	330.08	331.29	41.6	40.6	40.5	7.65	8.13	8.18
Bridgeport.....	336.26	339.90	344.87	43.0	41.2	41.5	7.82	8.25	8.31
Hartford.....	333.29	354.14	358.28	41.3	40.8	40.9	8.07	9.68	8.76
New Britain.....	330.85	329.26	325.01	42.2	40.4	39.3	7.84	8.15	8.27
New Haven—West Haven.....	293.78	306.50	311.20	39.7	38.7	38.9	7.40	7.92	8.00
Stamford.....	293.76	298.19	298.65	41.2	39.6	39.4	7.13	7.53	7.58
Waterbury.....	270.67	270.24	274.28	41.9	39.8	40.1	6.46	6.79	6.84
DELAWARE	359.97	332.72	344.96	42.2	38.2	39.2	8.53	8.71	8.80
Wilmington.....	411.70	388.10	405.67	42.4	37.9	39.5	9.71	10.24	10.27
DISTRICT OF COLUMBIA:									
Washington SMSA.....	352.04	348.04	366.70	39.6	38.5	39.6	8.89	9.04	9.26
FLORIDA	260.82	266.34	269.19	40.5	38.6	38.9	6.44	6.90	6.92
Fort Lauderdale—Hollywood.....	248.47	252.32	263.82	40.8	38.0	39.2	6.09	6.64	6.73
Jacksonville.....	309.59	310.47	308.48	41.5	39.5	39.6	7.46	7.86	7.79
Lakeland—Winter Haven.....	305.64	284.47	292.44	43.6	39.4	40.9	7.01	7.22	7.15
Miami.....	231.90	219.75	228.48	40.9	37.5	38.4	5.67	5.86	5.95
Orlando.....	287.05	294.32	303.05	42.4	39.4	41.4	6.77	7.47	7.32
Pensacola.....	334.37	332.69	317.85	43.2	39.7	39.0	7.74	8.38	8.15
Tampa—St. Petersburg.....	269.45	265.27	266.73	41.2	38.5	38.6	6.54	6.89	6.91
West Palm Beach—Boca Raton.....	282.62	289.86	286.65	40.9	38.7	39.0	6.91	7.49	7.35
GEORGIA	254.75	258.34	261.86	40.5	38.5	39.2	6.29	6.71	6.68
Atlanta.....	303.28	313.39	320.35	39.8	38.5	39.5	7.62	8.14	8.11
Savannah.....	354.48	373.59	367.22	44.2	43.9	43.0	8.02	8.51	8.54
HAWAII	284.95	286.77	292.93	38.3	36.3	37.7	7.44	7.90	7.77
Honolulu.....	271.92	291.51	290.62	37.3	36.9	37.5	7.29	7.90	7.75
IDAHO	307.69	296.28	314.04	37.8	36.0	37.7	8.14	8.23	8.33
Boise City.....	273.02	285.60	299.66	37.4	35.7	36.5	7.30	8.00	8.21
ILLINOIS	359.31	359.68	364.02	40.6	38.8	39.1	8.85	9.27	9.31
Bloomington—Normal.....	320.38	318.14	310.27	39.7	36.4	35.5	8.07	8.74	8.74
Champaign—Urbana—Rantoul.....	311.18	338.42	336.10	38.8	38.5	38.9	8.02	8.79	8.64
Chicago SMSA.....	329.62	336.88	342.60	40.1	38.5	38.8	8.22	8.75	8.83
Davenport—Rock Island—Moline.....	429.72	459.39	460.59	39.9	38.8	39.0	10.77	11.84	11.81
Decatur.....	414.32	454.21	447.72	39.8	39.6	39.0	10.41	11.47	11.48
Kankakee.....	290.90	305.49	307.88	37.2	37.3	37.5	7.82	8.19	8.21
Peoria.....	468.43	475.64	478.76	39.9	36.9	37.2	11.74	12.89	12.87
Rockford.....	368.46	363.23	354.59	41.4	38.6	38.5	8.90	9.41	9.21
Springfield.....	376.10	418.00	433.54	39.3	40.0	40.9	9.57	10.45	10.60
INDIANA	376.12	381.02	381.81	40.4	39.2	39.2	9.31	9.72	9.74
Gary—Hammond—East Chicago.....	510.47	(*)	(*)	41.3	(*)	(*)	12.36	(*)	(*)
Indianapolis.....	371.90	(*)	(*)	40.6	(*)	(*)	9.16	(*)	(*)
IOWA	377.30	389.00	386.93	39.8	38.9	38.5	9.48	10.00	10.05
Cedar Rapids.....	384.08	405.82	397.77	40.6	40.3	39.5	9.46	10.07	10.07
Des Moines.....	378.62	410.12	405.30	38.4	38.8	38.2	9.86	10.57	10.61

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
IOWA—Continued									
Dubuque	\$428.58	\$429.40	\$416.32	39.5	38.9	38.3	\$10.85	\$11.04	\$10.87
Sloux City	322.79	346.58	361.34	39.9	39.7	40.6	8.09	8.73	8.90
Waterloo—Cedar Falls	509.04	500.25	517.18	39.8	38.1	38.0	12.79	13.13	13.61
KANSAS	325.51	328.77	331.39	41.1	39.0	38.4	7.92	8.43	8.63
Topeka	352.19	314.13	313.17	41.0	37.0	36.8	8.59	8.49	8.51
Wichita	365.09	363.26	367.29	42.7	39.7	38.5	8.55	9.15	9.54
KENTUCKY	310.80	313.66	318.97	40.0	37.7	38.2	7.77	8.32	8.35
Lexington—Fayette	314.76	326.48	338.72	39.1	37.7	38.8	8.05	8.66	8.73
Louisville	359.06	377.23	(*)	39.5	39.5	(*)	9.09	9.55	(*)
LOUISIANA	358.70	374.00	370.27	42.3	40.0	39.9	8.48	9.35	9.28
Baton Rouge	453.36	473.10	463.68	41.9	41.5	41.4	10.82	11.40	11.20
New Orleans	335.79	363.53	363.26	40.9	39.6	39.7	8.21	9.18	9.15
Shreveport	313.41	320.05	328.82	41.9	38.7	40.1	7.48	8.27	8.20
MAINE	263.90	283.61	278.50	40.6	40.4	39.9	6.50	7.02	6.98
Lewiston—Auburn	215.12	215.28	229.96	38.9	36.8	38.2	5.53	5.85	6.02
Portland	248.71	265.69	273.39	38.5	38.9	39.0	6.46	6.83	7.01
MARYLAND	331.17	336.30	332.60	39.9	38.7	38.9	8.30	8.69	8.55
Baltimore	349.40	358.89	352.34	40.3	39.7	39.5	8.67	9.04	8.92
MASSACHUSETTS	280.00	292.74	295.81	40.0	39.4	39.6	7.00	7.43	7.47
Boston	304.36	312.42	318.78	40.1	39.2	39.6	7.59	7.97	8.05
Brockton	226.06	235.93	238.70	39.8	38.3	38.5	5.68	6.16	6.20
Fall River	222.61	207.68	204.26	39.4	35.5	35.4	5.65	5.85	5.77
Lawrence—Haverhill	281.40	298.90	297.83	40.2	39.8	39.5	7.00	7.51	7.54
Lowell	253.59	259.49	261.30	39.5	38.5	39.0	6.42	6.74	6.70
New Bedford	239.90	255.84	262.36	38.2	38.3	39.1	6.28	6.68	6.71
Springfield—Chicopee—Holyoke	281.52	298.15	301.59	40.8	40.4	40.7	6.90	7.38	7.41
Worcester	286.88	301.86	303.42	39.9	39.0	38.8	7.19	7.74	7.82
MICHIGAN	437.09	451.07	462.02	41.8	40.4	41.0	10.46	11.16	11.28
Ann Arbor	514.48	497.44	506.63	45.2	42.4	42.9	11.37	11.74	11.82
Battle Creek	422.26	436.67	444.63	41.4	39.1	38.7	10.20	11.16	11.49
Bay City	390.51	376.37	365.44	41.5	39.7	38.8	9.40	9.47	9.42
Detroit	465.35	491.98	500.00	42.1	41.6	42.4	11.06	11.83	11.79
Flint	508.45	515.25	531.65	42.1	39.4	40.5	12.08	13.08	13.13
Grand Rapids	346.78	372.29	367.49	40.1	39.6	39.0	8.65	9.41	9.43
Jackson	416.02	396.95	396.79	44.7	40.3	40.2	9.31	9.86	9.88
Kalamazoo—Portage	417.32	399.53	403.63	41.8	39.4	39.4	9.98	10.13	10.25
Lansing—East Lansing	512.14	465.46	472.25	41.5	38.2	39.2	12.34	12.17	12.06
Muskegon—Norton Shores—Muskegon Heights	366.92	367.98	370.55	41.2	38.5	38.2	8.90	9.56	9.69
Saginaw	512.36	487.52	517.49	41.8	39.4	40.5	12.24	12.36	12.76
MINNESOTA	330.22	352.80	355.67	39.5	39.2	39.3	8.36	9.00	9.05
Duluth—Superior	335.30	347.85	354.32	40.3	39.8	39.5	8.32	8.74	8.97
Minneapolis—St. Paul	347.21	371.94	376.20	39.5	39.4	39.6	8.79	9.44	9.50
St. Cloud	240.77	257.77	260.60	35.2	34.6	34.7	6.84	7.45	7.51
MISSISSIPPI	237.01	246.27	248.07	39.7	38.6	38.7	5.97	6.38	6.41
Jackson	261.70	271.83	278.29	40.7	39.8	40.1	6.43	6.83	6.94
MISSOURI	316.40	318.66	330.26	40.0	38.3	38.9	7.91	8.32	8.49
Kansas City	364.27	361.52	383.36	40.7	38.5	39.4	8.95	9.39	9.73
St. Joseph	290.55	293.75	296.83	39.0	38.1	38.4	7.45	7.71	7.73
St. Louis	358.58	373.62	376.14	40.2	39.0	39.1	8.92	9.58	9.62
Springfield	306.86	303.55	300.58	41.3	40.8	40.4	7.43	7.44	7.44
MONTANA	386.75	369.99	384.71	42.5	38.5	40.2	9.10	9.61	9.57
NEBRASKA	321.20	326.43	329.94	40.1	39.0	39.8	8.01	8.37	8.29
Lincoln	297.22	317.06	313.29	38.4	37.7	37.7	7.74	8.41	8.31
Omaha	324.30	324.97	334.57	39.5	37.7	38.5	8.21	8.62	8.69
NEVADA	319.84	322.81	322.51	39.1	36.6	36.9	8.18	8.82	8.74
Las Vegas	404.94	(*)	(*)	39.7	(*)	(*)	10.20	(*)	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
NEW HAMPSHIRE	\$253.60	\$272.74	\$272.74	40.0	39.7	39.7	\$6.34	\$6.87	\$6.87
Manchester	232.80	254.23	252.06	38.8	39.6	39.2	6.00	6.42	6.43
Nashua	279.03	309.23	303.81	39.3	39.9	39.1	7.10	7.75	7.77
NEW JERSEY	319.90	336.00	339.69	40.7	40.0	40.2	7.86	8.40	8.45
Atlantic City	244.50	248.97	251.60	37.5	36.4	37.0	6.52	6.84	6.80
Camden	328.86	341.42	341.82	40.5	39.7	39.7	8.12	8.60	8.61
Hackensack ?	287.41	293.14	293.92	41.0	39.4	39.4	7.01	7.44	7.46
Jersey City ?	305.42	322.38	328.03	40.4	39.8	40.2	7.56	8.10	8.16
New Brunswick—Perth Amboy—Sayreville ?	374.22	390.58	404.88	42.0	41.2	42.0	8.91	9.48	9.64
Newark ?	336.94	358.69	360.04	41.7	40.9	41.1	8.08	8.77	8.76
Paterson—Clifton—Passaic ?	313.60	304.62	307.04	42.9	40.4	40.4	7.31	7.54	7.60
Trenton	323.90	339.78	362.91	39.5	39.1	40.1	8.20	8.69	9.05
NEW MEXICO	257.44	273.31	274.22	40.1	39.1	39.4	6.42	6.99	6.96
Albuquerque	265.74	293.88	290.29	41.2	39.5	38.5	6.45	7.44	7.54
NEW YORK	307.69	319.66	(*)	39.6	38.7	(*)	7.77	8.26	(*)
Albany—Schenectady—Troy	326.03	329.34	(*)	40.3	38.7	(*)	8.09	8.51	(*)
Binghamton	289.64	276.90	(*)	41.2	39.5	(*)	7.03	7.01	(*)
Buffalo	408.04	418.57	(*)	40.4	39.6	(*)	10.10	10.57	(*)
Elmira	317.02	325.80	(*)	40.8	39.3	(*)	7.77	8.29	(*)
Monroe County ?	422.42	444.80	(*)	41.7	41.3	(*)	10.13	10.77	(*)
Nassau—Suffolk ?	292.80	312.83	(*)	40.0	39.3	(*)	7.32	7.96	(*)
New York—Northeastern New Jersey	292.59	307.68	(*)	39.7	38.8	(*)	7.37	7.93	(*)
New York and Nassau—Suffolk ?	266.57	282.00	(*)	38.3	37.5	(*)	6.96	7.52	(*)
New York SMSA ¹	259.31	272.69	(*)	37.8	36.9	(*)	6.86	7.39	(*)
New York City ?	253.57	265.72	(*)	37.4	36.5	(*)	6.78	7.28	(*)
Poughkeepsie	328.54	309.10	(*)	43.4	40.3	(*)	7.57	7.67	(*)
Rochester	396.48	418.82	(*)	41.3	40.9	(*)	9.60	10.24	(*)
Rockland County ?	296.74	316.09	(*)	40.1	37.9	(*)	7.40	8.34	(*)
Syracuse	334.95	348.80	(*)	40.6	40.0	(*)	8.25	8.72	(*)
Utica—Rome	301.10	306.14	(*)	40.8	39.4	(*)	7.38	7.77	(*)
Westchester County ?	309.54	324.42	(*)	42.0	40.3	(*)	7.37	8.05	(*)
NORTH CAROLINA	230.87	234.24	236.13	39.6	37.3	37.6	5.83	6.28	6.28
Asheville	228.17	232.37	236.38	40.1	38.6	39.2	5.69	6.02	6.03
Charlotte—Gastonia	239.32	238.13	242.44	40.7	38.1	38.3	5.88	6.25	6.33
Greensboro—Winston-Salem—High Point	252.55	255.35	251.85	39.4	36.9	36.5	6.41	6.92	6.90
Raleigh—Durham	262.28	272.54	276.48	39.5	37.8	38.4	6.64	7.21	7.20
NORTH DAKOTA	272.58	277.87	276.74	38.5	37.0	36.8	7.08	7.51	7.52
Fargo—Moorhead	284.61	279.75	281.98	37.4	37.3	37.2	7.61	7.50	7.58
OHIO	391.11	397.80	403.21	41.3	39.9	40.2	9.47	9.97	10.03
Akron	402.80	399.84	398.45	42.4	40.8	40.7	9.50	9.80	9.79
Canton	387.77	392.11	398.50	40.1	38.9	39.3	9.67	10.08	10.14
Cincinnati	360.18	379.09	385.56	41.4	40.2	40.5	8.70	9.43	9.52
Cleveland	398.40	400.60	412.49	41.5	40.1	40.8	9.60	9.99	10.11
Columbus	341.15	361.69	367.49	39.9	39.4	39.6	8.55	9.18	9.28
Dayton	395.32	395.61	401.39	41.7	39.8	39.9	9.48	9.94	10.06
Toledo	402.11	435.24	442.68	41.2	40.3	40.8	9.76	10.80	10.85
Youngstown—Warren	472.53	447.37	460.18	40.7	38.6	39.5	11.61	11.59	11.65
OKLAHOMA	331.70	338.12	338.61	40.6	39.5	39.1	8.17	8.56	8.66
Oklahoma City	358.03	354.50	354.32	41.2	40.7	39.5	8.69	8.71	8.97
Tulsa	350.43	363.78	364.31	40.7	39.2	39.3	8.61	9.28	9.27
OREGON	357.58	367.04	(*)	38.0	37.0	(*)	9.41	9.92	(*)
Eugene—Springfield	375.93	377.74	(*)	39.2	37.4	(*)	9.59	10.10	(*)
Jackson County	341.46	333.58	(*)	37.4	36.9	(*)	9.13	9.04	(*)
Portland	356.27	374.37	(*)	37.7	37.4	(*)	9.45	10.01	(*)
Salem	338.56	354.65	(*)	36.8	36.3	(*)	9.21	9.77	(*)
PENNSYLVANIA	324.26	326.14	325.76	39.4	38.1	38.1	8.23	8.56	8.55
Allentown—Bethlehem—Easton	326.40	339.85	331.60	38.4	38.1	37.3	8.50	8.92	8.89
Altoona	279.24	280.57	288.01	39.0	39.2	39.4	7.16	7.16	7.31
Delaware Valley ?	332.83	334.08	338.52	40.1	38.4	38.6	8.30	8.70	8.77
Erie	345.67	350.45	355.90	41.2	39.2	39.5	8.39	8.94	9.01
Harrisburg	307.44	314.06	321.60	40.4	38.3	38.7	7.61	8.20	8.31
Johnstown	330.37	313.29	333.16	37.8	35.4	37.1	8.74	8.85	8.98

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
PENNSYLVANIA—Continued									
Lancaster	\$286.63	\$289.94	\$293.76	39.7	38.0	38.2	\$7.22	\$7.63	\$7.69
Northeast Pennsylvania	228.15	233.38	249.81	36.1	35.2	36.9	6.32	6.63	6.77
Philadelphia SMSA	330.42	335.43	339.11	40.1	38.6	38.8	8.24	8.69	8.74
Pittsburgh	401.17	403.77	395.55	40.4	38.2	37.6	9.93	10.57	10.52
Reading	305.63	311.92	318.11	39.9	37.9	38.7	7.66	8.23	8.22
Williamport	295.71	304.96	303.03	39.8	38.7	39.1	7.43	7.88	7.75
York	300.32	317.60	304.17	41.1	39.8	38.6	7.38	7.98	7.88
RHODE ISLAND									
Providence—Warwick—Pawtucket	240.19	255.45	257.94	39.7	39.0	39.2	6.05	6.55	6.58
	239.20	252.20	254.41	39.8	39.1	39.2	6.01	6.45	6.49
SOUTH CAROLINA									
Charleston—North Charleston	246.84	247.59	254.53	40.8	37.4	38.8	6.05	6.62	6.56
Columbia	268.53	270.69	273.08	39.9	37.7	38.3	6.73	7.18	7.13
Greenville—Spartanburg	238.18	240.53	247.04	39.5	37.7	38.3	6.03	6.38	6.45
	242.38	251.29	249.48	40.6	38.9	38.8	5.97	6.46	6.43
South Dakota									
Sioux Falls	288.11	292.19	300.17	41.1	39.7	40.4	7.01	7.36	7.43
	392.37	412.23	426.50	45.1	45.4	44.8	8.70	9.08	9.52
TENNESSEE									
Chattanooga	268.80	271.98	275.22	40.3	38.2	38.6	6.67	7.12	7.13
Knoxville	266.34	267.80	(*)	40.6	38.7	(*)	6.56	6.92	(*)
Memphis	293.60	317.15	(*)	40.0	39.3	(*)	7.34	8.07	(*)
Nashville—Davidson	296.40	306.12	313.60	40.0	39.5	40.0	7.41	7.75	7.84
	294.92	315.20	312.44	40.4	40.0	39.4	7.30	7.88	7.93
TEXAS									
Dallas—Fort Worth	322.97	341.78	338.00	41.3	40.4	40.0	7.82	8.46	8.45
Houston	305.11	321.58	323.19	40.9	39.8	39.9	7.46	8.08	8.10
San Antonio	414.99	440.35	429.84	43.5	43.1	42.1	9.54	10.21	10.21
	231.38	240.52	249.89	40.1	39.3	40.5	5.77	6.12	6.17
UTAH									
Salt Lake City—Ogden	301.36	316.36	316.03	39.6	38.3	38.4	7.61	8.26	8.23
	292.09	307.13	317.68	40.4	38.2	38.6	7.23	8.04	8.23
VERMONT									
Burlington	268.54	274.94	280.91	40.2	38.4	38.8	6.68	7.16	7.24
Springfield	296.01	306.40	317.02	41.4	40.0	40.8	7.15	7.66	7.77
	308.84	296.06	301.45	41.4	38.7	39.2	7.46	7.65	7.69
VIRGINIA									
Bristol	266.78	278.94	281.44	39.7	37.9	38.5	6.72	7.36	7.31
Lynchburg	225.79	232.14	237.33	38.4	36.5	36.4	5.88	6.36	6.52
Norfolk—Virginia Beach—Portsmouth	262.54	234.94	240.12	39.9	34.0	34.7	6.58	6.91	6.92
Northern Virginia	287.73	302.35	315.25	41.4	40.1	41.7	6.95	7.54	7.56
Petersburg—Colonial Heights—Hopewell	290.07	292.50	299.15	39.9	38.5	38.8	7.27	7.60	7.71
Richmond	301.55	317.39	379.20	36.2	39.3	39.5	8.33	9.45	9.60
Roanoke	346.26	355.65	352.17	39.8	38.7	38.7	8.70	9.19	9.10
	244.77	252.44	254.67	39.8	38.6	39.0	6.15	6.54	6.53
WASHINGTON									
Seattle—Everett	400.62	415.76	(*)	39.2	37.9	(*)	10.	10.97	(*)
	419.45	(*)	(*)	40.1	(*)	(*)	10.40	(*)	(*)
WEST VIRGINIA									
Charleston	344.99	360.89	366.27	39.7	39.1	38.8	8.69	9.23	9.44
Huntington—Ashland	432.83	439.07	433.42	43.5	41.5	41.2	9.95	10.58	10.52
Parkersburg—Marietta	384.94	403.00	396.75	39.4	38.9	37.5	9.77	10.36	10.58
Wheeling	381.07	386.89	407.64	40.8	39.6	40.4	9.34	9.77	10.09
	388.00	388.47	347.30	38.8	38.5	34.8	10.00	10.09	9.98
WISCONSIN									
Appleton—Oshkosh	352.13	361.64	367.82	40.3	38.9	39.2	8.73	9.29	9.38
Eau Claire	352.72	358.31	357.03	42.2	40.3	39.9	8.36	8.89	8.95
Green Bay	339.86	347.19	348.77	41.0	40.0	39.8	8.29	8.68	8.77
Janesville—Beloit	373.65	389.48	396.33	41.3	41.4	41.2	9.05	9.42	9.63
Kenosha	367.34	331.96	407.17	39.5	37.2	41.0	9.30	8.93	9.93
La Crosse	390.41	438.81	432.42	39.7	39.9	39.4	9.83	10.99	10.97
Madison	316.75	329.67	335.67	41.2	38.4	38.8	7.69	8.59	8.66
Milwaukee	335.45	374.35	377.19	39.2	40.0	39.6	8.57	9.36	9.52
Racine	384.60	403.06	406.74	40.2	39.0	39.3	9.56	10.34	10.36
	377.21	360.98	392.71	40.0	37.6	39.2	9.42	9.60	10.03
WYOMING									
	311.04	322.10	332.23	38.4	38.3	38.1	8.10	8.41	8.72

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
VIRGIN ISLANDS	\$333.15	\$395.85	(*)	41.8	41.8	(*)	\$7.97	\$9.47	(*)

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
² Subarea of New York—Northeastern New Jersey.
³ Subarea of Rochester Standard Metropolitan Statistical Area.
⁴ Area included in New York and Nassau—Suffolk combined SMSA's.
⁵ Subarea of New York Standard Metropolitan Statistical Area.
⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁷ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
 p = preliminary.
 *Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

D-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
ALABAMA	1,671.2	1,695.4	1,711.9	174.3	222.6	225.2	10.4	13.1	13.2
Birmingham	378.5	380.1	382.0	41.5	44.8	45.6	11.0	11.8	11.9
Huntsville	142.4	146.9	148.3	14.8	16.7	16.4	10.4	11.4	11.1
Mobile	189.5	190.0	193.4	17.6	23.8	25.4	9.3	12.5	13.1
Montgomery	121.6	122.4	123.3	10.5	14.0	14.0	8.7	11.5	11.4
Tuscaloosa	55.2	54.7	55.5	6.2	6.2	6.7	11.2	11.3	12.1
ALASKA	190.1	199.2	202.6	17.0	21.3	20.4	8.9	10.7	10.1
ARIZONA	1,264.6	1,301.3	1,309.5	70.4	108.4	122.0	5.6	8.3	9.3
Phoenix	772.9	793.0	796.9	36.2	52.9	58.3	4.7	6.7	7.3
Tucson	229.9	238.3	239.8	10.8	18.1	20.3	4.7	7.6	8.5
ARKANSAS	1,056.2	1,007.9	1,025.3	94.4	97.2	93.6	8.9	9.6	9.1
Fayetteville-Springdale	82.2	80.2	80.8	4.3	5.2	5.1	5.2	6.4	6.3
Fort Smith'	92.3	86.9	87.1	7.8	9.9	9.6	8.5	11.4	11.0
Little Rock—North Little Rock	200.9	192.5	194.6	16.1	15.2	15.0	8.0	7.9	7.7
Pine Bluff	42.2	39.4	39.9	4.6	3.8	4.0	10.8	9.7	10.1
CALIFORNIA*	11,686.0	11,995.0	12,067.8	717.8	1,130.4	1,084.5	6.1	9.4	9.0
Anaheim—Santa Ana—Garden Grove	1,163.4	1,193.7	1,201.4	41.8	72.3	76.6	3.6	6.1	6.4
Bakersfield	193.2	196.4	202.7	12.6	24.9	21.7	6.5	12.7	10.7
Fresno	278.6	281.8	287.1	23.3	42.5	37.4	8.4	15.1	13.0
Los Angeles—Long Beach'	3,692.0	3,773.0	3,784.0	229.0	319.0	317.0	6.2	8.5	8.4
Modesto	132.3	139.7	141.0	18.5	27.5	26.6	14.0	19.7	18.9
Oxnard—Simi Valley—Ventura	244.5	258.9	259.8	14.0	24.1	23.9	5.7	9.3	9.2
Riverside—San Bernardino—Ontario	601.3	628.4	627.9	40.6	66.8	67.6	6.8	10.6	10.8
Sacramento	489.3	504.3	506.3	34.7	58.9	54.2	7.1	11.7	10.7
Salinas—Seaside—Monterey	137.0	138.9	142.0	9.4	17.3	12.3	6.8	12.4	8.7
San Diego	789.6	810.5	815.7	45.9	68.2	70.5	5.8	8.4	8.6
San Francisco—Oakland	1,673.5	1,716.9	1,722.1	81.0	124.2	123.5	4.8	7.2	7.2
San Jose	781.4	806.7	810.4	38.8	58.4	56.9	5.0	7.2	7.0
Santa Barbara—Santa Maria—Lompoc	153.8	158.0	158.6	7.5	11.5	10.8	4.9	7.3	6.8
Santa Rosa	140.2	145.0	146.2	9.2	15.9	14.2	6.6	11.0	9.7
Stockton	175.8	168.0	178.5	16.3	30.4	26.7	9.3	18.1	15.0
Vallejo—Fairfield—Napa	133.3	137.9	137.9	8.4	14.3	12.7	6.3	10.4	9.2
COLORADO	1,529.0	1,540.8	1,555.0	85.7	102.7	106.9	5.6	6.7	6.9
Denver—Boulder	911.7	916.5	925.7	46.8	51.8	54.8	5.1	5.7	5.9
CONNECTICUT	1,592.7	1,614.8	1,627.2	90.7	110.8	105.2	5.7	6.9	6.5
Bridgeport	192.7	196.2	196.6	11.2	14.8	14.0	5.8	7.5	7.1
Hartford	385.0	392.6	394.3	19.6	24.5	22.9	5.1	6.2	5.8
New Britain	74.6	75.5	75.9	4.5	6.4	6.2	6.0	8.5	8.1
New Haven—West Haven	200.2	200.1	202.8	13.1	13.7	13.3	6.6	6.9	6.6
Stamford	122.8	124.3	125.7	4.5	4.9	4.2	3.7	3.9	3.4
Waterbury	106.7	109.0	110.1	7.7	9.7	9.5	7.2	8.9	8.7
DELAWARE	287.9	299.8	305.6	19.8	22.8	21.8	6.9	7.6	7.1
Wilmington'	255.1	264.7	267.8	17.4	21.0	20.0	6.8	7.9	7.5
DISTRICT OF COLUMBIA	308.1	308.5	307.9	27.5	32.7	32.7	8.9	10.6	10.6
Washington SMSA'	1,683.5	1,690.7	1,700.5	83.0	99.8	101.2	4.9	5.9	6.0
FLORIDA*	4,540.1	4,643.8	4,710.1	304.3	366.2	345.8	6.7	7.9	7.3
Daytona Beach	110.6	112.9	113.9	7.0	8.3	7.1	6.4	7.4	6.3
Fort Lauderdale—Hollywood	485.5	490.0	495.3	26.1	34.4	31.4	5.4	7.0	6.3
Fort Myers—Cape Coral	94.3	100.8	101.7	5.4	8.1	7.5	5.7	8.0	7.4
Gainesville	77.8	80.7	81.8	3.4	3.6	4.2	4.4	4.4	5.2
Jacksonville	339.4	347.1	357.0	22.9	24.7	25.0	6.7	7.1	7.0
Lakeland—Winter Haven	149.8	151.2	153.4	15.3	19.8	20.2	10.2	13.1	13.2
Melbourne—Titusville—Cocoa	123.5	123.7	126.6	10.7	10.2	10.2	8.6	8.2	8.1
Miami	824.1	831.3	838.7	57.3	70.5	62.6	7.0	8.5	7.5
Orlando	370.0	376.0	382.4	25.4	26.3	23.1	6.9	7.0	6.0
Pensacola	122.5	123.9	128.0	7.3	7.7	8.5	6.0	6.2	6.6
Sarasota	80.2	84.6	85.4	3.8	6.4	5.6	4.8	7.6	6.6
Tallahassee	87.8	86.0	88.3	3.8	3.9	4.2	4.3	4.5	4.8
Tampa—St. Petersburg	702.4	727.1	741.5	42.0	53.5	50.8	6.0	7.4	6.9
West Palm Beach—Boca Raton	272.8	286.9	282.0	18.5	22.7	20.4	6.8	7.9	7.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

D-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
GEORGIA	2,588.3	2,637.6	2,665.5	149.0	189.8	196.5	5.8	7.2	7.4
Albany.....	52.8	55.3	55.4	3.8	4.9	4.6	7.2	8.8	8.3
Atlanta.....	1,068.0	1,096.0	1,106.7	54.3	64.1	67.3	5.1	5.8	6.1
Augusta.....	130.1	136.1	137.7	8.6	11.3	11.8	6.6	8.3	8.6
Columbus ¹	88.4	87.8	89.2	6.4	8.1	8.5	7.2	9.2	9.5
Macon.....	105.2	108.7	109.4	6.1	6.8	7.0	5.8	6.3	6.4
Savannah.....	94.1	100.4	100.6	5.4	6.9	7.3	5.8	6.9	7.3
HAWAII	451.4	450.7	452.0	23.6	26.8	29.1	5.2	6.0	6.4
Honolulu.....	349.0	347.4	348.4	16.8	19.1	20.4	4.8	5.5	5.9
IDAHO	430.7	432.6	439.0	29.0	45.6	43.1	6.7	10.5	9.8
Boise City.....	90.5	90.3	91.2	5.2	6.8	6.7	5.7	7.5	7.3
ILLINOIS ²	5,552.5	5,571.9	5,548.3	452.3	562.6	586.4	8.1	10.1	10.6
Bloomington—Normal.....	61.2	63.6	63.6	3.8	5.5	4.7	6.2	8.6	7.3
Champaign—Urbana—Rantoul.....	86.5	87.2	88.1	5.3	5.3	6.0	6.1	6.1	6.8
Chicago.....	3,465.9	3,487.8	3,461.3	266.5	331.1	344.0	7.7	9.5	9.9
Davenport—Rock Island—Moline ¹	188.6	193.8	188.7	16.5	25.6	22.0	8.7	13.2	11.6
Decatur.....	61.8	63.3	66.9	6.9	7.7	12.3	11.1	12.2	18.4
Kankakee.....	41.4	41.8	41.2	4.5	6.3	6.3	10.9	15.0	15.4
Peoria.....	173.9	174.8	173.6	14.4	19.8	20.5	8.3	11.4	11.8
Rockford.....	134.7	136.2	132.4	12.1	20.5	25.5	9.0	15.1	19.3
Springfield.....	97.8	98.8	97.7	6.4	6.4	6.6	6.5	6.5	6.8
INDIANA	2,629.2	2,557.0	2,568.1	243.7	313.4	291.7	9.3	12.3	11.4
Anderson.....	56.9	55.2	54.3	6.5	10.7	8.0	11.4	19.3	14.7
Elkhart.....	67.3	64.4	64.8	5.8	6.4	5.8	8.6	10.0	8.9
Evansville ¹	148.2	143.9	144.6	11.8	12.8	11.6	8.0	8.9	8.0
Fort Wayne.....	194.4	186.9	187.0	19.3	23.8	21.9	9.9	12.8	11.7
Gary—Hammond—East Chicago.....	293.8	287.3	288.7	29.9	42.3	44.0	10.2	14.7	15.2
Indianapolis.....	612.1	593.6	600.5	46.8	54.6	52.6	7.6	9.2	8.8
Lafayette—West Lafayette.....	62.3	63.0	61.7	4.2	5.2	4.9	6.8	8.3	7.9
Muncie.....	58.1	57.2	56.4	6.3	9.2	7.6	10.8	16.0	13.5
South Bend.....	136.7	132.5	133.7	11.8	13.6	13.1	8.7	10.3	9.8
Terre Haute.....	81.2	76.6	75.6	8.1	10.2	8.5	10.0	13.3	11.2
IOWA	1,448.7	1,436.5	1,439.9	92.7	123.0	108.5	6.4	8.6	7.5
Cedar Rapids.....	88.1	86.0	85.4	6.8	8.5	8.2	7.7	9.9	9.6
Des Moines.....	183.8	182.2	180.5	12.9	14.1	13.1	7.0	7.7	7.2
Dubuque.....	45.0	44.4	44.3	4.5	6.2	6.0	10.1	13.9	13.6
Sioux City ¹	55.5	55.2	55.6	3.9	4.6	4.3	7.1	8.4	7.7
Waterloo—Cedar Falls.....	68.7	69.6	67.3	5.0	8.6	7.7	7.3	12.4	11.4
KANSAS	1,199.3	1,161.8	1,166.5	47.1	62.5	63.6	3.9	5.4	5.5
Lawrence.....	35.0	34.4	34.4	1.5	1.4	1.6	4.3	4.2	4.7
Topeka.....	95.5	92.7	92.2	4.9	5.3	5.4	5.1	5.7	5.8
Wichita.....	228.3	223.5	221.5	8.6	16.4	16.7	3.8	7.4	7.5
KENTUCKY	1,674.9	1,599.1	1,622.8	136.3	165.4	159.0	8.1	10.3	9.8
Lexington—Fayette.....	178.6	175.9	177.4	8.3	10.7	10.3	4.7	6.1	5.8
Louisville ¹	438.2	420.9	424.6	35.5	49.9	45.0	8.1	11.9	10.6
Owensboro.....	43.5	39.3	39.5	3.0	4.0	3.6	7.0	10.1	9.2
LOUISIANA	1,853.4	1,853.9	1,864.2	153.7	189.2	191.8	8.3	10.2	10.3
Alexandria.....	72.9	72.3	72.5	8.1	8.3	7.8	11.2	11.5	10.8
Baton Rouge.....	228.7	222.8	223.6	18.5	19.7	20.5	8.1	8.8	9.2
Lafayette.....	90.5	94.6	96.2	3.9	4.4	5.5	4.3	4.6	5.7
Lake Charles.....	81.6	79.7	78.4	7.0	11.1	11.4	8.6	13.9	14.6
Monroe.....	57.6	55.0	55.2	5.9	6.9	6.7	10.3	12.5	12.1
New Orleans.....	514.4	507.8	506.4	39.4	48.9	47.9	7.7	9.6	9.5
Shreveport.....	163.5	160.1	160.8	13.5	14.3	14.4	8.3	8.9	8.9
MAINE	504.6	516.4	527.6	33.6	47.9	49.1	6.7	9.3	9.3
Lewiston—Auburn.....	38.4	38.9	39.2	2.5	4.0	4.0	6.5	10.4	10.3
Portland.....	90.7	95.6	96.7	4.7	6.1	6.3	5.2	6.4	6.6
MARYLAND	2,164.5	2,190.7	2,203.1	142.0	189.7	189.0	6.6	8.7	8.6
Baltimore.....	1,078.3	1,100.6	1,104.5	80.2	108.7	110.5	7.4	9.9	10.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

D-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
MASSACHUSETTS²	2,882.4	2,948.8	3,003.3	166.3	234.8	257.3	5.8	8.0	8.6
Boston	1,402.2	1,427.9	1,448.1	74.9	96.3	108.3	5.3	6.7	7.5
Brockton	80.4	81.3	83.0	5.9	7.8	9.0	7.4	9.6	10.8
Fall River ¹	72.4	74.3	75.7	5.5	8.6	9.3	7.6	11.6	12.3
Lawrence—Haverhill ¹	144.3	146.5	147.4	8.2	12.3	13.3	5.7	8.4	9.0
Lowell	125.2	130.1	131.1	7.4	9.4	10.4	5.9	7.3	8.0
New Bedford	84.1	84.6	84.9	6.8	11.2	11.0	8.1	13.3	13.0
Springfield—Chicopee—Holyoke	272.1	288.5	293.6	15.2	22.6	25.2	5.6	7.8	8.6
Worcester	194.1	198.6	201.9	10.4	16.3	17.6	5.3	8.2	8.7
MICHIGAN²	4,335.2	4,217.9	4,322.8	493.4	654.3	616.1	11.4	15.5	14.3
Ann Arbor	145.3	142.1	141.8	10.8	14.0	13.1	7.4	9.8	9.2
Battle Creek	80.5	81.0	82.7	8.6	12.3	12.3	10.7	15.2	14.9
Bay City	53.1	54.5	55.6	6.1	8.7	8.3	11.6	16.0	15.0
Detroit	2,009.8	1,927.8	1,978.3	240.7	295.4	281.0	12.0	15.3	14.2
Flint	227.2	224.6	229.6	30.4	52.2	45.4	13.4	23.2	19.8
Grand Rapids	325.9	325.8	335.7	27.1	39.2	37.4	8.3	12.0	11.1
Jackson	67.2	66.0	68.0	7.4	10.2	10.3	11.0	15.4	15.2
Kalamazoo—Portage	138.3	137.9	140.5	11.4	14.9	14.2	8.2	10.8	10.1
Lansing—East Lansing	248.3	245.0	248.0	24.5	37.2	32.8	9.9	15.2	13.2
Muskegon—Norton Shores—Muskegon Heights	78.7	78.2	81.2	10.5	13.2	13.4	13.3	16.8	16.5
Saginaw	101.7	101.6	103.0	10.6	18.2	17.2	10.4	17.9	16.7
MINNESOTA	2,170.9	2,131.1	2,169.6	111.3	148.5	144.4	5.1	7.0	6.7
Duluth—Superior ¹	114.9	111.2	112.0	8.4	14.3	13.9	7.3	12.9	12.4
Minneapolis—St. Paul	1,162.1	1,147.9	1,164.5	50.8	64.0	66.0	4.4	5.6	5.7
Rochester	57.0	56.9	57.4	2.3	3.1	2.9	4.0	5.4	5.0
St. Cloud	75.8	75.2	77.2	4.6	6.8	6.6	6.0	9.0	8.6
MISSISSIPPI	1,063.2	1,071.1	1,075.6	83.9	102.7	107.2	7.9	9.6	10.0
Jackson	159.7	163.1	162.1	9.5	10.3	10.8	6.0	6.3	6.7
MISSOURI	2,326.3	2,331.6	2,351.7	170.4	197.6	186.9	7.3	8.5	7.9
Kansas City ¹	685.1	673.4	671.4	41.1	54.7	48.5	6.0	8.1	7.2
St. Joseph	44.7	44.1	44.4	3.6	4.3	4.2	8.1	9.8	9.5
St. Louis ¹	1,118.3	1,114.0	1,118.6	93.5	98.4	98.0	8.4	8.8	8.8
Springfield	106.8	109.0	108.3	6.0	7.4	6.4	5.7	6.8	5.9
MONTANA	382.7	389.6	389.0	25.1	36.0	33.0	6.6	9.2	8.5
Billings	57.1	59.6	59.4	2.8	3.5	3.8	4.9	5.9	6.4
Great Falls	33.8	36.2	35.9	2.7	2.9	2.8	8.1	7.9	7.7
NEBRASKA	801.4	780.2	793.3	28.7	40.7	43.2	3.6	5.2	5.4
Lincoln	113.2	110.5	110.9	3.9	5.2	5.0	3.4	4.7	4.5
Omaha ¹	286.9	281.8	284.1	14.5	18.4	18.7	5.1	6.5	6.6
NEVADA	462.7	484.6	486.6	31.5	41.9	42.3	6.8	8.6	8.7
Las Vegas	257.1	271.1	271.8	20.4	25.6	26.5	7.9	9.4	9.7
Reno	127.3	133.1	133.8	6.4	9.1	9.0	5.1	6.8	6.7
NEW HAMPSHIRE	476.5	487.1	487.3	22.6	40.7	36.8	4.8	8.4	7.6
Manchester	83.2	85.2	84.7	4.0	7.1	6.3	4.8	8.3	7.4
Nashua	81.7	83.9	84.0	3.2	6.0	5.9	4.0	7.1	7.0
NEW JERSEY	3,627.0	3,594.2	3,673.0	287.7	319.2	354.8	7.9	8.9	9.7
Atlantic City	115.0	118.4	123.1	9.8	12.8	13.8	8.5	10.8	11.2
Jersey City	248.5	249.5	255.0	31.4	35.1	39.7	12.6	14.1	15.6
Long Branch—Asbury Park	244.8	245.3	251.8	17.6	20.2	21.3	7.2	8.2	8.5
New Brunswick—Perth Amboy—Sayreville	335.4	330.4	335.9	24.2	25.5	29.2	7.2	7.7	8.7
Newark	975.0	972.2	991.8	76.6	80.7	91.3	7.9	8.3	9.2
Paterson—Clifton—Passaic	211.4	210.5	214.1	20.2	23.9	25.9	9.6	11.4	12.1
Trenton	160.7	159.0	161.6	9.7	12.5	13.8	6.1	7.9	8.5
Vineland—Millville—Bridgeton	60.4	59.8	60.6	8.4	10.5	10.7	14.0	17.6	17.7
NEW MEXICO	578.0	573.9	579.2	40.9	44.7	52.6	7.1	7.8	9.1
Albuquerque	212.5	211.2	211.5	14.8	15.0	16.8	6.9	7.1	8.0
Las Cruces	36.9	36.5	37.0	3.1	3.0	3.8	8.5	8.3	10.3

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

STATE AND AREA UNEMPLOYMENT DATA

D-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
NEW YORK¹	7,957.3	7,966.1	8,027.4	582.2	619.3	632.5	7.3	7.8	7.9
Albany—Schenectady—Troy	377.3	379.6	377.2	22.8	23.0	23.7	6.1	6.1	6.3
Binghamton ¹	136.6	142.2	142.2	8.7	9.9	10.5	6.4	6.9	7.4
Buffalo	561.3	559.8	559.0	48.9	64.7	67.0	8.7	11.6	12.0
Elmira	39.2	39.1	39.3	3.2	3.9	4.8	8.1	10.0	12.2
Nassau-Suffolk	1,301.8	1,322.5	1,322.9	74.4	69.5	75.1	5.7	5.3	5.7
New York	3,648.3	3,608.9	3,668.2	288.4	300.6	297.9	7.9	8.3	8.1
New York City ⁴	3,036.0	2,985.0	3,047.0	260.0	273.0	269.0	8.6	9.1	8.8
Poughkeepsie	109.3	113.9	113.5	6.3	5.9	6.3	5.8	5.2	5.6
Rochester	467.1	478.7	478.3	26.6	29.5	30.6	5.7	6.2	6.4
Syracuse	297.5	299.7	298.0	20.5	20.4	22.9	6.9	6.8	7.7
Utica—Rome	134.6	136.3	136.0	10.2	10.7	11.2	7.6	7.9	8.2
NORTH CAROLINA	2,920.9	2,926.1	2,951.3	175.3	240.1	255.8	6.0	8.2	8.7
Asheville	89.5	88.8	90.0	5.8	7.2	6.7	6.5	8.1	7.4
Charlotte—Gastonia	373.0	374.1	375.8	17.1	23.6	24.4	4.6	6.3	6.5
Greensboro—Winston-Salem—High Point	445.6	450.5	456.4	23.3	31.2	35.3	5.2	6.9	7.7
Raleigh—Durham	311.8	317.4	315.3	10.8	13.0	13.1	3.5	4.1	4.2
NORTH DAKOTA	319.0	316.7	326.9	15.3	16.0	14.2	4.8	5.0	4.3
Fargo—Moorehead ¹	72.2	73.0	74.0	4.1	3.9	3.6	5.6	5.3	4.8
OHIO	5,166.6	5,050.2	5,092.3	414.3	605.8	566.4	8.0	12.0	11.1
Akron	308.4	299.7	301.9	24.8	34.0	31.0	8.0	11.4	10.3
Canton	191.0	188.5	190.2	15.3	24.6	23.3	8.0	13.1	12.2
Cincinnati ¹	688.1	669.7	675.9	51.4	68.3	64.9	7.5	10.2	9.6
Cleveland	942.6	910.4	919.9	67.3	88.6	86.5	7.1	9.7	9.4
Columbus	571.5	559.6	565.1	38.0	50.8	48.0	6.7	9.1	8.5
Dayton	396.4	389.7	390.3	27.9	43.5	40.3	7.1	11.2	10.3
Toledo ¹	373.2	362.5	365.0	33.6	45.0	39.7	9.0	12.4	10.9
Youngstown—Warren	235.4	236.5	236.9	21.1	46.2	40.6	8.9	19.5	17.1
OKLAHOMA	1,444.5	1,484.2	1,502.4	47.7	73.8	78.0	3.3	5.0	5.2
Enid	30.0	29.9	30.4	.7	1.2	1.7	2.2	4.1	5.7
Lawton	34.6	34.9	36.0	1.4	1.6	1.7	4.0	4.5	4.8
Oklahoma City	446.3	462.6	468.6	13.6	20.8	20.8	3.1	4.5	4.4
Tulsa	355.0	366.1	368.9	11.1	19.1	21.1	3.1	5.2	5.7
OREGON	1,338.4	1,312.0	1,313.9	125.0	154.6	145.4	9.3	11.8	11.1
Eugene—Springfield	139.4	135.1	135.0	14.8	16.9	15.7	10.6	12.5	11.6
Portland ¹	655.9	651.3	649.4	49.2	66.1	63.3	7.5	10.2	9.7
Salem	124.2	122.9	124.1	10.8	13.2	12.7	8.7	10.7	10.2
PENNSYLVANIA²	5,442.8	5,423.5	5,408.9	423.8	556.7	529.3	7.8	10.3	9.8
Allentown—Bethlehem—Easton ¹	310.5	307.1	308.3	23.7	31.0	30.4	7.6	10.1	9.8
Altoona	57.6	57.1	56.7	5.7	6.6	5.8	9.9	11.5	10.2
Erie	126.0	122.9	122.4	12.3	14.0	13.8	9.8	11.4	11.3
Harrisburg	235.6	235.1	236.7	12.8	14.1	13.2	5.5	6.0	5.6
Johnstown	108.2	104.5	103.5	14.2	15.8	14.7	13.2	15.1	14.2
Lancaster	183.7	184.2	184.8	9.1	13.6	12.9	4.9	7.4	7.0
Northeast Pennsylvania	287.9	285.4	282.1	27.1	32.7	28.2	9.4	11.4	10.0
Philadelphia ³	2,179.9	2,164.5	2,171.3	155.1	184.5	184.2	7.1	8.5	8.5
Pittsburgh	1,026.2	1,021.5	1,015.7	70.1	108.3	107.2	6.8	10.6	10.6
Reading	158.1	159.0	158.0	13.3	16.4	14.6	8.4	10.3	9.2
Williamsport	54.1	52.8	52.3	7.6	6.1	6.3	14.0	11.6	12.1
York	178.0	180.0	180.3	13.1	18.1	18.0	7.4	10.1	10.0
RHODE ISLAND	477.4	470.6	471.6	33.0	46.8	43.6	6.9	9.9	9.2
Providence—Warwick—Pawtucket ¹	469.9	464.6	465.3	32.9	47.6	45.1	7.0	10.2	9.7
SOUTH CAROLINA	1,423.9	1,480.4	1,499.6	114.8	155.6	170.4	8.1	10.5	11.4
Charleston—North Charleston	172.4	179.0	183.7	13.0	14.9	15.2	7.5	8.3	8.3
Columbia	187.9	195.0	196.7	11.7	12.8	14.2	6.2	6.5	7.2
Greenville—Spartanburg	284.7	298.3	300.7	20.3	28.2	29.6	7.1	9.4	9.8
SOUTH DAKOTA	337.5	328.6	330.7	15.3	16.8	14.8	4.5	5.1	4.5
Sioux Falls	63.4	62.5	62.0	3.0	2.9	2.4	4.7	4.7	3.9
TENNESSEE	2,119.8	2,070.6	2,085.1	185.0	221.6	221.0	8.7	10.7	10.6
Chattanooga ¹	199.3	200.1	202.9	16.2	21.0	22.7	8.2	10.5	11.2
Knoxville	229.3	226.7	224.9	17.0	16.0	15.1	7.4	7.1	6.7
Memphis ¹	408.4	398.6	401.6	32.4	34.1	36.0	7.9	8.6	9.0
Nashville—Davidson	433.1	418.8	422.2	28.8	33.3	33.9	6.7	7.9	8.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

STATE AND AREA UNEMPLOYMENT DATA

D-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P	MAY 1981	APR. 1982	MAY 1982P
TEXAS ¹	7,067.2	7,251.6	7,261.5	365.7	428.8	456.1	5.2	5.9	6.3
Dallas—Fort Worth	1,656.2	1,711.7	1,721.0	74.8	90.1	98.9	4.5	5.3	5.7
Houston	1,658.3	1,725.1	1,726.0	71.1	86.6	96.9	4.3	5.0	5.6
San Antonio	458.9	465.0	467.5	30.3	31.9	34.5	6.6	6.9	7.4
UTAH	642.3	664.8	664.7	41.4	50.5	46.6	6.5	7.6	7.0
Salt Lake City—Ogden	421.1	433.6	434.8	27.2	31.4	29.5	6.5	7.2	6.8
VERMONT	261.0	260.8	263.6	14.9	23.4	20.0	5.7	9.0	7.6
VIRGINIA	2,608.5	2,623.3	2,639.0	161.0	188.5	187.9	6.2	7.2	7.1
Lynchburg	74.9	75.8	76.0	4.6	6.1	6.5	6.2	8.1	8.5
Newport News—Hampton	167.2	167.7	169.4	11.0	10.8	10.9	6.6	6.4	6.4
Norfolk—Virginia Beach—Portsmouth ¹	334.0	337.9	339.9	22.5	25.0	24.3	6.8	7.4	7.1
Petersburg—Colonial Heights—Hopewell	58.5	59.7	59.7	4.7	5.0	5.1	8.1	8.3	8.5
Richmond	333.6	339.4	339.9	14.7	19.2	19.4	4.4	5.7	5.7
Roanoke	110.2	111.0	111.2	7.1	8.2	7.6	6.4	7.3	6.8
WASHINGTON	1,997.2	1,990.4	2,006.9	176.6	248.5	246.4	8.8	12.5	12.3
Seattle—Everett	870.2	867.4	874.2	66.5	90.5	93.5	7.6	10.4	10.7
Spokane	150.6	149.7	150.0	13.7	18.8	18.6	9.1	12.6	12.4
Tacoma	176.8	182.4	182.5	16.5	22.2	22.7	9.3	12.2	12.5
WEST VIRGINIA	809.1	760.6	767.1	106.5	85.0	83.8	13.2	11.2	10.9
Charleston	128.7	122.3	123.5	12.7	10.0	9.4	9.9	8.2	7.6
Huntington—Ashland ¹	126.8	122.5	123.9	14.1	13.8	13.8	11.1	11.3	11.2
Parkersburg—Marietta ¹	74.9	72.9	72.4	6.6	8.6	7.7	8.8	11.8	10.7
Wheeling ¹	83.8	81.9	82.7	8.3	10.0	10.1	9.9	12.2	12.2
WISCONSIN	2,377.2	2,385.5	2,415.4	173.2	242.5	233.8	7.3	10.2	9.7
Appleton—Oshkosh	147.2	149.2	151.2	10.4	15.6	15.3	7.1	10.5	10.1
Eau Claire	59.4	60.0	60.4	4.1	5.6	5.3	6.9	9.3	8.8
Green Bay	90.3	90.7	91.9	7.1	7.8	7.7	7.8	8.6	8.4
Janesville—Beloit	69.9	71.9	73.0	4.5	11.6	10.6	6.4	16.2	14.5
Kenosha	59.9	57.3	57.9	5.4	7.2	6.2	9.1	12.5	10.7
LaCrosse	48.3	49.6	49.7	3.3	4.0	3.7	6.8	8.1	7.5
Madison	183.0	186.4	188.7	9.1	12.4	11.4	5.0	6.6	6.1
Milwaukee	719.0	714.7	723.7	54.1	65.7	69.1	7.5	9.2	9.5
Racine	86.3	85.0	85.9	7.7	14.0	11.5	8.9	16.5	13.4
WYOMING	253.4	260.3	267.2	9.3	13.2	13.2	3.7	5.1	4.9

¹ Includes interstate portion of area located in adjacent State.

² Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1981 have been benchmarked to 1981 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1982 are provisional and will be revised when new benchmark information

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

Explanatory Notes

Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers.

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, race, family relationship, marital status, occupation, and industry attachment. 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 interviews from a sample of about 60,000 households, representing 629 areas in 1,148 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 records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural 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 day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment 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 definitions 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 nonagricultural 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 reports, 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.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969.

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, production or nonsupervisory 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.

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to mean earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see "Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey," BLS Bulletin 2113.

COMPARABILITY OF THE HOUSEHOLD 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, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration 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 (some workers in agriculture, domestic services, and religious organizations, and self employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

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 work 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 Census from its censuses or annual sample survey 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 professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

County Business Patterns. Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, 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. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

Household Data (A tables)

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 Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. This report is available from BLS upon request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14- and 15-year-olds. 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, members of the Armed Forces, and persons under 14 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, however, obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 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 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. These supplementary households were added to the 56,000 household sample in January 1980.

Beginning in May 1981, the sample size was cut by about 6,000 occupied housing units. The reduction did not affect the ability to

publish reliable State and local estimates and had practically no effect on the reliability of national estimates.

Beginning in January 1982, the sample was expanded by about 100 households in 15 counties. The expanded sample provides sufficient coverage of counties added to 7 of the 30 largest SMSA's redefined in 1973. The additional sample had practically no effect on the reliability of national or State estimates.

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 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. Measurements of mean and median duration are computed from a distribution of 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 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.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (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. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

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, race, occupation, industry, 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.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the total noninstitutional population that is employed.

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. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons 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 last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 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 government 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 Columbus Day holiday would be reported as working 32 hours even though he/she 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.

The distribution of employment by hours worked relates to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in the zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," correspondingly 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 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 a 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 the peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part-time (part time for economic reasons), 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 according to whether they usually work full or part-time.

Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate 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.

White and black and other are terms used to describe the race of workers. The "black-and-other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1980 Census of Population, 83 percent of the black-and-other civilian noninstitutional population 16 years and over were black; the remainder were primarily American Indians, Alaskan Natives, and Asians and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent.

Major activity: going to school and major activity: other are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16- to 21-year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

The *poverty areas* classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal in-

teragency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

Usual weekly earnings data are provided from responses to the question "How much does . . . USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. Data refer to the sole or primary job of wage and salary workers. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of "usual," interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room are regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but only to persons in families maintained by either men or women without a spouse.

Family refers to a group of two or more persons residing together who are related by blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a "subfamily," that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The counts of families used in this volume refer to primary families only, that is, all persons in the household who are related to the householder. Families are classified either as married-couple families or as those maintained by women or men without spouses. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. A detailed discussion of this and other definitional changes introduced at that time including estimates of their effect on the various series, is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were

virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20- to 24-year-old males—particularly those of the black-and-other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey beginning in January 1979" in the February 1979 issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census.

This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article referenced above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Changes in the occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. The purpose of this review, the most comprehensive since the 1940 census, was to reduce the size of larger groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: Operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

Changes in sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area

sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 60,000 new construction house units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. In January 1980 another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, about 100 occupied units were added to provide sufficient coverage in counties added to SMSA's which were redefined in 1973.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

ESTIMATING METHODS

Under the estimating 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. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

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 of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these

residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 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 population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey 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. In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. Second-stage ratio estimate. In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

Table A. Characteristics of the CPS sample

Time period	Number of sample areas	Households eligible		Households visited not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to present	629	57,800	2,500	11,000

¹ Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, use Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulation of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population for the estimate date is derived by subtracting the Armed Forces and the institutional population from the total population including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national controls totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

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

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

Nonsampling errors. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the article "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females, and larger for black and other races combined than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in the *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the sample design, and an estimate and its estimated error were calculated from each sample, then:

same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables D and E provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of

12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates.

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	208	161
Employed	229	175
Unemployed	122	123
Males, 20 years and over:		
Civilian labor force	113	95
Employed	131	114
Unemployed	84	85
Females, 20 years and over:		
Civilian labor force	167	124
Employed	168	128
Unemployed	71	74
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	85	94
Unemployed	58	72
Black and other, 16 years and over:		
Civilian labor force	73	56
Employed	84	63
Unemployed	59	62
Males, 20 years and over:		
Civilian labor force	40	34
Employed	49	43
Unemployed	40	42
Females, 20 years and over:		
Civilian labor force	62	46
Employed	62	48
Unemployed	36	40
Both sexes, 16-19 years:		
Civilian labor force	33	37
Employed	31	36
Unemployed	28	30

by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percentage point). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percentage point.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. The approximate standard errors of levels, rates and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate or percentage, find the standard error of this estimate. For an estimate of change in level, rate or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

Illustration. For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base

of 94,965,000, is obtained from table F (0.11 percentage point). The appropriate factor then from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

$$\text{Standard error of year-to-year change} = \sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

where X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

Illustration:

Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000, year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)},$$

or about 259,000.

Table C. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12			
Males, 20 years and over .....	.15	.15			
Females, 20 years and over .....	.17	.18			
Both sexes, 16-19 years .....	.57	.67			
White workers .....	.12	.12			
Black (and other) workers .....	.46	.49			
Married men, spouse present .....	.15	.16			
Married women, spouse present .....	.21	.23			
Full-time workers .....	.12	.13			
Part-time workers .....	.32	.40			
Unemployed 15 weeks and over .....	.06	.07			
OCCUPATION			OCCUPATION		
White-collar workers .....	.12	.13	Blue-collar workers—Continued		
Professional and technical .....	.18	.20	Craft and kindred workers	0.33	0.37
Managers and administrators, except farm .....	.20	.23	Operatives, except transport .....	.44	.50
Sales workers .....	.36	.41	Transport equipment operatives .....	.70	.77
Clerical workers .....	.23	.25	Nonfarm laborers .....	.71	.81
Blue-collar workers .....	.24	.26	Service workers .....	.32	.36
			Farm workers .....	.54	.62
			INDUSTRY		
			Nonagricultural private wage and salary workers .....	.13	.13
			Construction .....	.59	.70
			Manufacturing .....	.27	.30
			Durable goods .....	.37	.41
			Non-durable goods .....	.39	.45
			Transportation and public utilities .....	.38	.42
			Wholesale and retail trade .....	.26	.29
			Finance and service industries .....	.17	.19
			Government workers .....	.20	.23
			Agricultural wage and salary workers	1.07	1.26

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50	13	10	10	10	10	9	9	10	11
100	18	14	14	14	14	13	13	14	15
500	41	32	32	32	28	30	29	31	33
1,000	57	45	44	44	33	42	40	44	46
2,000	81	64	60	60	13	59	52	62	63
4,000	113	90	79	77	-	82	60	87	83
6,000	137	109	88	84	-	99	53	106	93
8,000	-	125	90	84	-	113	16	122	-
10,000	-	139	87	76	-	124	-	135	-
15,000	-	166	36	-	-	146	-	163	-
20,000	-	188	-	-	-	161	-	182	-
30,000	-	219	-	-	-	177	-	-	-
40,000	-	249	-	-	-	178	-	-	-
50,000	-	253	-	-	-	164	-	-	-
60,000	-	260	-	-	-	131	-	-	-
70,000	-	260	-	-	-	49	-	-	-
80,000	-	254	-	-	-	-	-	-	-
100,000	-	221	-	-	-	-	-	-	-
120,000	-	143	-	-	-	-	-	-	-

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

Table E. Standard errors for estimates of month-to-month change

(In thousands)

Estimated monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white	Both sexes 16-19 years, or part-time labor force ²	Black and other	Black and other, 16-19 years
50	8	8	12	12	11	12	12	12
100	11	11	17	17	16	17	16	17
500	24	23	37	33	35	39	36	34
1,000	34	33	52	37	48	55	49	39
2,000	47	45	70	-	68	77	65	-
4,000	66	58	89	-	93	107	80	-
6,000	81	65	96	-	110	129	-	-
8,000	93	68	93	-	123	147	-	-
10,000	103	65	78	-	132	162	-	-
15,000	123	33	-	-	145	191	-	-
20,000	130	-	-	-	146	211	-	-
30,000	163	-	-	-	-	-	-	-
40,000	179	-	-	-	-	-	-	-
50,000	189	-	-	-	-	-	-	-
60,000	194	-	-	-	-	-	-	-
70,000	195	-	-	-	-	-	-	-
80,000	191	-	-	-	-	-	-	-
100,000	179	-	-	-	-	-	-	-
120,000	119	-	-	-	-	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.89	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.87	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

Table G. Standard errors for month-to-month change in unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.16	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

Table H. Standard errors for estimated percentages and month-to-month change in percentages for labor force data

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

Table I. Factors to be used with Table H to compute approximate standard errors for percentages and month-to-month change in percentages

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force.	1.01	1.21
Part-time labor force	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment data and unemployment data:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Males only .....	.93	.84	Both sexes, 16-19 years .....	.97	1.21
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16-19 years	1.04	1.24

Table J. Factors to be used with Tables, D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages

Characteristic	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or males	1.30	0.89	0.80	0.72	0.70
Females or teenagers (16-19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Table K. Standard errors for estimates of quarterly level

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Males				Females	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	-	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (B and C tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. 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 principal product or activity.

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

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. Employees of the Central Intelligence and National Security Agencies are also excluded.

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

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), record-keeping, and other services closely associated with the above production operation.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working 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, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels 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 the 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.

Hours cover the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

Overtime hours covers 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. They reflect 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. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. 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 amount stipulated for a given unit of work or time. The earnings series do 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 estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

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 unpaid 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 exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her 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 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.

Railroads 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.

"Real" earnings, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

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 hours and one-half of total overtime 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. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ 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 hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment 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 in table L.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production 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 in table L, 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

Table L. Summary of methods for computing industry statistics on employment, hours, and earnings

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
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. ¹	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) estimated ratio of women to all employees. ²	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime hours divided by number of production workers. ²	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 hours. ²	Average, weighted by aggregate 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.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate 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.

¹ The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are

modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample, and at the same time, tapers or wedges the estimate toward the level of the latest sample average.

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1981 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. 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 for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods 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 at the time of the March 1981 benchmark adjustment is shown in table M.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

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. Under this type of design, large establishments fall into the sample with certainty. The size of the sample 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 percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large 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 small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1981

Industry division	Benchmark, March 1981	Estimate, March 1981	Percent difference
Total	90,371,000	90,720,000	-0.4
Mining	1,107,000	1,084,000	.2
Construction	3,934,000	4,048,000	-2.9
Manufacturing	20,085,000	20,016,000	-.4
Transportation and public utilities	5,102,000	5,095,000	.1
Wholesale and retail trade	20,096,000	20,290,000	-1.0
Finance, insurance, and real estate	5,239,000	5,263,000	-.5
Services	18,340,000	18,287,000	.3
Government	16,468,000	16,493,000	-.2

available resources, it is necessary to design samples for these industries 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 do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment statistics program, with its emphasis on producing 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 the reference period, 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. Table N 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.

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1981¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	177,500	35,740,500	40
Mining	2,400	387,000	35
Construction	17,300	677,000	17
Manufacturing	45,000	10,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	459,500	92
Other transportation and public utilities	8,100	2,717,000	53
Wholesale and retail trade	43,900	3,398,000	17
Finance, insurance, and real estate	12,200	1,950,000	37
Services	28,700	3,787,000	21
Government:			
Federal ²	4,900	2,769,000	100
State and local	15,000	8,645,000	63

¹ Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,900 reports covering about 60 percent of employment in Federal establishments.

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 arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

$$RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$$

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.

Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry division

(In percent)

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.3	-	-
Total private .....	.3	0.1	0.2
Mining	1.3	.5	.5
Construction	2.2	.2	.3
Manufacturing .....	.4	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.5	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.5	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.6	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1971, 1974, 1978, 1979, 1980 and 1981.

² Relative errors relate to March 1971 data.

³ Estimates for government are based on a total count for Federal Government and, prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

Table P. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	0.9	1.5
100,000	4,400	.7	1.1
200,000	7,100	.5	.9
500,000	15,200	.4	.8
1,000,000	17,100	.3	.5
2,000,000	28,500	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to March 1971 data.

For the two 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. Table Q presents root-mean-square errors of the amounts of revisions 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 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS.

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	84,000	72,000
Mining	5,000	5,000
Construction	18,000	16,000
Manufacturing	31,000	28,000
Durable two-digit industries	3,700	3,500
Nondurable two-digit industries	2,500	2,500
Transportation and public utilities	13,000	14,000
Wholesale and retail trade	30,000	27,000
Finance, insurance, and real estate	8,000	7,000
Services	31,000	25,000
Government	50,000	38,000
DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE		
50,000	300	400
100,000	700	700
200,000	1,100	1,100
500,000	3,900	4,100
1,000,000	3,800	3,900
2,000,000	6,000	6,100

NOTE: Division level data are based on differences from January 1976 through December 1981. Detailed industry data are based on differences from August 1978 through June 1979.

The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* 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 in a summary volume published annually by the BLS.

PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and sup-

plementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing data have been revised to reflect the revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and Area Unemployment Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis of determining eligibility of an areas for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Workers and Economic Development Act.

ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan areas and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment*: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employ-

ment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—unemployment*: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current employment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and

the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of experienced unemployed; (c) the level of the experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as :

$$U = A (X + E) + BX, \text{ where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based

method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages, Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third-stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting these statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating 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 are also 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*.

The seasonal adjustment program used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564-E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure,

which essentially place more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1981, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1982, and a description of the current seasonal adjustment methodology are published in the February 1982 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1970-81 revision period for a broader range of labor force series also appear in the February 1982 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1982. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or non-supervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods

industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. Beginning with data for July 1981, these failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series. In prior months, the unadjusted series were used in the aggregation process.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service 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 Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

The revised seasonally adjusted series for the establishment data reflect experience through March 1982. Seasonal factors to be used for current adjustment appear in the June 1982 issue of *Employment and Earnings*.

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Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)

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X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Employment Security Building, Little Rock 72203
IX CALIFORNIA	-Employment Data and Research Div., Employment Development Department, P.O. Box 1679, Sacramento 95808 (CES).
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
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IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
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