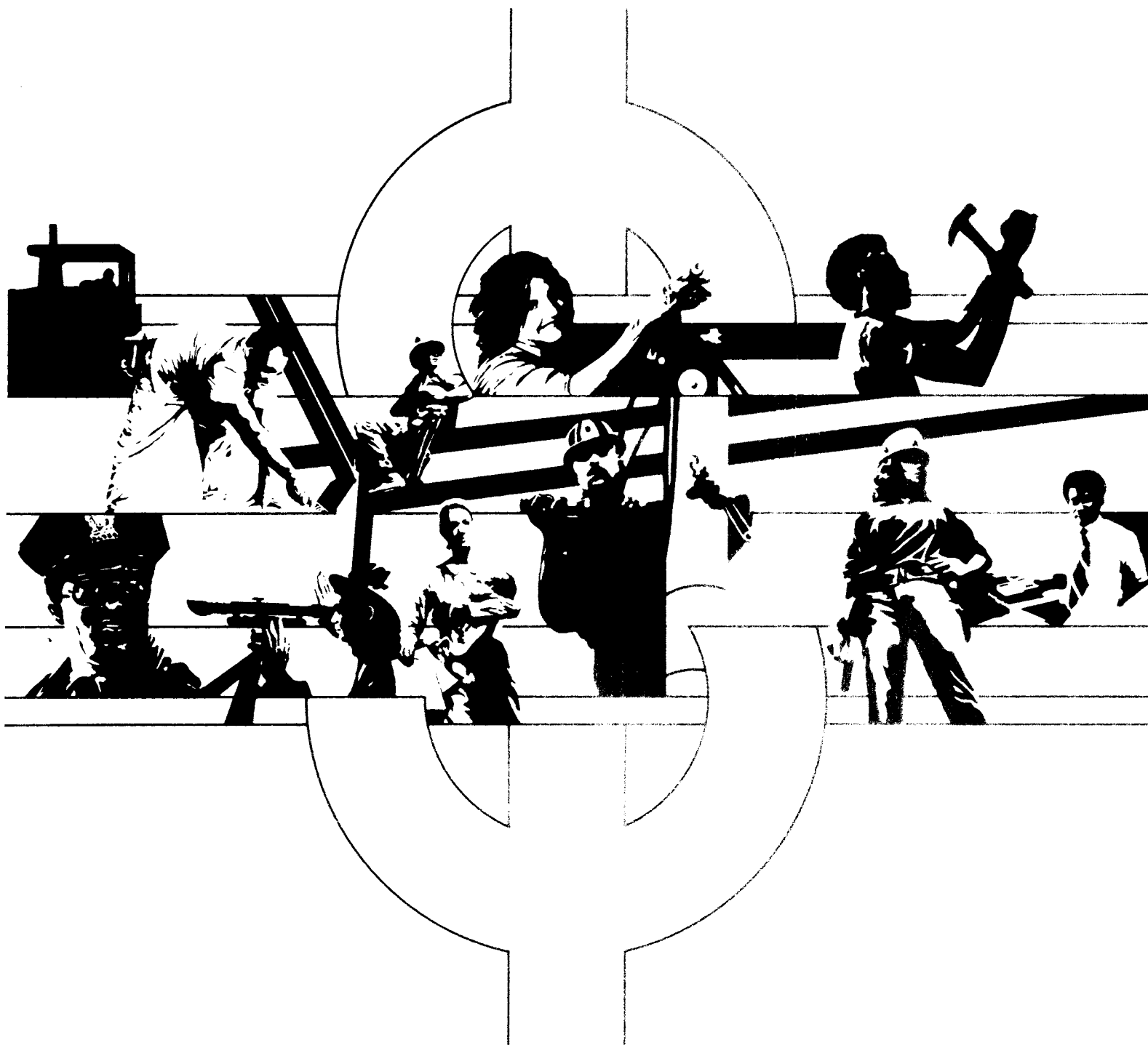


Employment and Earnings

August 1982



U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR
Raymond J. Donovan, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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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.

Establishment data

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Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	June ¹
Revised historical national data adjusted to new benchmarks	Supplement ²
Revised seasonally adjusted series	June ³
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. 8 August 1982

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

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Employment and Unemployment Developments, July 1982

Unemployment increased in July, and employment remained near June levels, after seasonal adjustment. The Nation's jobless rate rose from 9.5 to 9.8 percent, a post-World War II record.

Total employment—as derived from the monthly survey of households—was about unchanged in July at 99.7 million. Nonfarm payroll employment—as derived from the monthly survey of establishments—also was little changed, but employment continued to decline in manufacturing. Since the July 1981 pre-recession peak, total and nonfarm payroll employment have declined by 1.1 and 1.6 million, respectively.

Unemployment

The number of unemployed persons rose by 360,000 in July to 10.8 million, seasonally adjusted. Since July 1981, the jobless total has increased by 2.9 million persons. At 9.8 percent, the overall unemployment rate was up 0.3 percentage point from June and 2.6 points over the year. (See table A-33.)

Over-the-month increases were concentrated among adult women and teenagers, whose rates reached 8.4 and 24.1 percent, respectively. While the rate for adult men, 8.8 percent, was about unchanged over the month, it was above the rate for adult women for the third consecutive month. Among race-ethnic groups, the unemployment rate for white workers was up 0.3 point to 8.7 percent, while rates for blacks (18.5 percent) and Hispanics (13.9 percent) were about unchanged over the month. The rate for black teenagers remained at about 50 percent. (See tables A-33 and A-35.)

Increased joblessness among women and teenagers was also reflected in higher unemployment among new entrants and reentrants to the labor force. The number of workers on layoff was unchanged in July, while the number of other job losers declined. (See table A-39.)

Average duration of unemployment declined over the month, as the July increase in unemployment occurred among the short-term unemployed (those unemployed less than 5 weeks). The mean duration of unemployment declined almost one week to 15.6 weeks, while the median was down one and a half weeks to 8.3 weeks. (See table A-37.)

Total employment and the labor force

Total employment rose about in line with seasonal ex-

pectations in July and, at 99.7 million after seasonal adjustment, was about unchanged from the June level. Over the year, total employment was down by 1.1 million. The proportion of the population employed in July was 57.1 percent, about the same as in the previous month but 1.4 points lower than the July 1981 level. (See table A-33.)

The civilian labor force, which has shown considerable volatility in recent months, rose by 330,000 in July following a slightly larger decline in June. At 110.5 million persons in July, the labor force was up by 1.8 million over the year. Adult women accounted for 1.4 million of this increase and adult men rose by 800,000; the teenage labor force declined, reflecting both reduced labor force participation and a decline in the size of their population.

Industry payroll employment

Total nonagricultural payroll employment was about unchanged in July at 89.8 million, following a June decline of 300,000 (as revised). July job gains in the service-producing sector largely offset continued employment declines in the goods-producing industries. Since July 1981, the number of nonfarm jobs has declined by 1.6 million, as only one-fifth of the 186 industries comprising the BLS diffusion index of private nonagricultural payroll employment registered over-the-year increases. (See tables B-4 and B-7.)

In the goods-producing sector, employment declined over the month in manufacturing and mining, while construction was about unchanged. Cutbacks in machinery accounted for almost half of the 90,000 manufacturing employment decline. Employment in machinery has fallen by 100,000 in the last 2 months alone. The food processing and apparel industries also registered sizeable reductions, while smaller declines continued the long-term downtrends evident in most of the other manufacturing industries. In all, manufacturing jobs were down by 1.5 million over the past year. Over this same period, job losses in mining and construction totaled 320,000.

Among the service-producing industries, services posted an employment gain of 55,000. Despite the recession, the services industry has grown by 450,000 jobs in the past year. In addition, there were smaller increases in trade and government. In contrast, employment in

transportation and public utilities declined by 25,000 in July and was down 115,000 over the year.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls edged upward 0.1 hour in July to 34.9 hours, seasonally adjusted. Average hours in manufacturing also were up 0.1 hour to 39.3 hours, and overtime was unchanged at 2.4 hours. The factory workweek has risen for 3 straight months but was still 0.7 hour below the level of a year earlier. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose 0.1 percent in July to 105.0 (1977=100). The manufacturing index declined 0.3 percent to 88.3 and has fallen 11.4 percent since last July. (See table C-7.)

Hourly and weekly earnings

Average hourly earnings increased by 0.5 percent in

July, while average weekly earnings rose 0.8 percent, seasonally adjusted. Before adjustment for seasonality, average hourly earnings rose 4 cents in July to \$7.67, 43 cents above the year-earlier level. Average weekly earnings, at \$269.98, were up \$2.93 over the month and \$12.24 over the year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 148.7 (1977=100) in July, seasonally adjusted, 0.4 percent higher than in June. For the 12 months ended in July, 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 0.1 percent during the 12-month period ended in June. (See table C-8.)

Correction

The September 1982 seasonal factor for females 16 to 19 years of age employed in nonagricultural industries is -179 rather than -79 as published in the July issue of this publication.

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	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
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	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
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	42,634
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	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	6,450	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	5,586	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.....	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	52,038
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,282
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	55,934
1972.....	146,574	89,484	61.1	87,034	82,153	3,484	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:										
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	61,737
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	61,992
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
July.....	174,544	112,702	64.6	110,522	99,732	3,460	96,272	10,790	9.8	61,842

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	2,849	48,047	2,659	5.0	14,280
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	16,956
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:										
July.....	82,529	63,771	77.3	61,811	57,640	2,696	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
July.....	83,550	64,343	77.0	62,353	56,192	2,796	53,396	6,161	9.9	19,207
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	43,101
1975.....	80,949	37,565	46.4	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:										
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	46,913	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
July.....	90,995	48,360	53.1	48,169	43,540	664	42,875	4,629	9.6	42,635

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	July 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	66,085	79.1	64,096	57,923	6,172	9.6	17,464	425	1,067	1,430	14,482
16 to 21 years	9,635	77.2	9,013	7,204	1,809	20.1	2,844	45	600	43	2,149
16 to 19 years	5,783	71.2	5,537	4,304	1,232	22.3	2,338	41	423	25	1,848
16 to 17 years	2,372	60.6	2,362	1,806	556	23.6	1,540	23	227	3	1,281
18 to 19 years	3,411	81.0	3,174	2,498	676	21.3	798	18	196	17	567
20 to 64 years	58,456	89.9	56,712	51,825	4,888	8.6	6,599	167	644	1,032	4,706
20 to 24 years	9,860	90.4	9,088	7,728	1,360	15.0	1,050	17	349	50	634
25 to 54 years	41,433	94.3	40,463	37,301	3,161	7.8	2,493	90	291	573	1,539
25 to 29 years	9,695	94.8	9,306	8,203	1,103	11.8	530	19	166	54	291
30 to 34 years	8,833	95.8	8,569	7,851	718	8.4	391	18	76	71	226
35 to 39 years	7,304	95.7	7,111	6,623	488	6.9	332	16	26	73	217
40 to 44 years	5,775	94.9	5,688	5,365	322	5.7	310	12	12	134	192
45 to 49 years	4,974	92.9	4,945	4,691	254	5.1	379	8	8	107	255
50 to 54 years	4,850	89.8	4,843	4,568	275	5.7	551	17	3	163	368
55 to 64 years	7,164	70.1	7,162	6,795	367	5.1	3,057	61	4	459	2,533
55 to 59 years	4,429	82.2	4,428	4,176	252	5.7	960	35	1	209	715
60 to 64 years	2,734	56.6	2,734	2,620	115	4.2	2,097	26	3	250	1,818
65 years and over	1,847	17.8	1,847	1,794	52	2.8	8,527	216	--	383	7,928
65 to 69 years	1,057	27.0	1,057	1,024	32	3.1	2,862	54	--	125	2,693
70 years and over	790	12.2	790	770	20	2.5	5,665	162	--	253	5,244
White											
16 years and over	58,024	79.7	56,495	51,725	4,771	8.4	14,790	339	743	1,172	12,535
16 to 21 years	8,242	79.3	7,763	6,395	1,368	17.6	2,147	36	424	35	1,653
16 to 19 years	4,971	73.7	4,775	3,855	920	19.3	1,774	32	291	13	1,433
16 to 17 years	2,069	63.8	2,060	1,628	432	21.0	1,175	18	149	5	1,023
18 to 19 years	2,901	82.9	2,715	2,227	488	18.0	599	14	142	13	430
20 to 64 years	51,355	90.6	50,021	46,210	3,812	7.6	5,337	127	452	844	3,916
20 to 24 years	8,414	91.5	7,842	6,813	1,029	13.1	779	13	257	34	475
25 to 54 years	36,441	95.1	35,680	33,206	2,474	6.9	1,865	65	191	436	1,172
25 to 29 years	16,140	96.1	15,645	14,257	1,388	8.9	657	25	159	97	376
30 to 34 years	11,505	95.9	11,272	10,625	647	5.7	491	20	24	133	314
35 to 54 years	8,795	92.5	8,764	8,323	440	5.0	717	20	8	207	482
55 to 64 years	6,500	70.7	6,499	6,192	307	4.7	2,694	49	4	374	2,258
55 to 59 years	4,006	82.8	4,005	3,795	210	5.2	831	29	1	164	637
60 to 64 years	2,494	57.2	2,494	2,396	98	3.9	1,863	19	2	211	1,631
65 years and over	1,699	18.1	1,699	1,660	39	2.3	7,679	181	--	310	7,187
Black and other											
16 years and over	8,061	75.1	7,600	6,199	1,401	18.4	2,674	86	324	313	1,347
16 to 21 years	1,393	66.7	1,250	809	441	35.3	696	10	176	14	496
16 to 19 years	812	59.0	762	450	312	40.9	564	10	132	7	415
16 to 17 years	303	45.3	302	178	124	41.0	365	6	78	3	278
18 to 19 years	509	71.9	460	272	188	40.9	199	4	54	4	137
20 to 64 years	7,102	84.9	6,991	5,615	1,077	16.1	1,262	41	192	239	790
20 to 24 years	1,446	84.2	1,246	915	330	26.5	271	4	92	16	159
25 to 54 years	4,992	88.8	4,782	4,096	686	14.3	628	24	100	137	367
25 to 29 years	2,388	90.1	2,230	1,797	433	19.4	264	11	83	28	141
30 to 34 years	1,574	91.2	1,527	1,363	164	10.7	151	8	14	45	95
35 to 54 years	1,029	82.8	1,025	935	89	8.7	213	5	3	64	141
55 to 64 years	663	64.6	663	604	60	9.0	363	13	--	35	265
55 to 59 years	423	76.6	423	380	43	10.1	129	6	--	45	78
60 to 64 years	240	50.7	240	223	17	7.0	234	7	--	40	187
65 years and over	147	14.8	147	134	13	8.8	848	35	--	72	741

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

(Numbers in thousands)

Sex, age, and race	July 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											
16 years and over	48,621	53.4	43,430	43,567	4,863	10.0	42,374	32,088	1,122	1,022	8,142
16 to 21 years	8,149	66.9	8,082	6,523	1,559	19.3	4,037	1,401	650	14	1,971
16 to 19 years	5,021	63.5	4,996	3,902	1,094	21.9	2,882	741	439	9	1,694
16 to 17 years	2,049	54.0	2,049	1,574	475	23.2	1,746	298	206	4	1,237
18 to 19 years	2,972	72.3	2,947	2,328	619	21.0	1,137	442	233	5	457
20 to 64 years	42,419	62.3	42,254	38,519	3,736	8.8	25,642	21,341	683	450	3,154
20 to 24 years	7,829	72.5	7,737	6,679	1,058	13.7	2,975	2,060	345	15	555
25 to 54 years	29,768	65.3	29,695	27,303	2,392	8.1	15,788	13,640	335	237	1,574
25 to 29 years	7,079	68.4	7,031	6,242	789	11.2	3,276	2,787	148	43	297
30 to 34 years	6,134	65.1	6,117	5,571	545	8.9	3,294	2,871	90	30	303
35 to 39 years	5,179	65.7	5,174	4,820	354	6.8	2,705	2,344	47	30	284
40 to 44 years	4,287	67.5	4,286	4,005	281	6.6	2,068	1,786	24	30	228
45 to 49 years	3,685	65.0	3,684	3,480	205	5.6	1,986	1,744	16	43	183
50 to 54 years	3,403	58.1	3,402	3,185	217	6.4	2,458	2,108	10	61	280
55 to 64 years	4,823	41.2	4,823	4,536	287	5.9	6,879	5,640	7	207	1,025
55 to 59 years	2,973	49.1	2,973	2,805	168	5.7	3,083	2,600	6	90	388
60 to 64 years	1,849	32.8	1,849	1,731	118	6.4	3,796	3,040	1	113	637
65 years and over	1,180	7.8	1,180	1,146	33	2.8	13,850	10,006	--	553	3,294
65 to 69 years	740	15.1	740	718	22	3.0	4,163	3,201	--	101	864
70 years and over	440	4.3	440	428	11	2.6	9,687	6,806	--	453	2,430
White											
16 years and over	41,613	53.1	41,478	37,870	3,607	8.7	36,806	28,352	762	797	6,895
16 to 21 years	7,022	69.4	6,976	5,853	1,122	16.1	3,098	1,120	429	9	1,539
16 to 19 years	4,348	66.5	4,330	3,539	791	18.3	2,191	571	277	5	1,339
16 to 17 years	1,774	56.8	1,774	1,414	360	20.3	1,349	223	124	2	999
18 to 19 years	2,574	75.3	2,556	2,125	431	16.9	843	348	153	3	340
20 to 64 years	36,208	62.1	36,091	33,301	2,789	7.7	22,095	18,671	485	351	2,584
20 to 24 years	6,701	74.2	6,637	5,889	748	11.3	2,326	1,680	246	12	388
25 to 54 years	25,236	65.0	25,183	23,388	1,795	7.1	13,615	11,884	237	183	1,311
25 to 29 years	11,106	66.7	11,059	10,105	955	8.6	5,555	4,850	162	62	481
30 to 34 years	7,994	65.7	7,989	7,485	503	6.3	4,177	3,641	52	50	435
35 to 44 years	6,135	61.2	6,134	5,798	337	5.5	3,883	3,393	22	72	396
55 to 64 years	4,272	41.0	4,272	4,025	247	5.8	6,153	5,108	5	155	885
55 to 59 years	2,633	49.1	2,633	2,488	145	5.5	2,731	2,332	5	62	332
60 to 64 years	1,638	32.4	1,638	1,537	101	6.2	3,422	2,776	--	93	553
65 years and over	1,057	7.8	1,057	1,030	27	2.5	12,520	9,110	--	441	2,972
Black and other											
16 years and over	7,008	55.7	5,953	5,696	1,256	18.1	5,568	3,735	360	226	1,247
16 to 21 years	1,127	54.5	1,107	670	437	39.5	939	281	221	5	433
16 to 19 years	673	49.4	666	363	303	45.5	691	170	162	4	355
16 to 17 years	275	40.9	275	160	115	41.9	397	75	82	2	238
18 to 19 years	398	57.5	391	203	188	48.1	294	94	80	2	117
20 to 64 years	6,212	63.7	5,164	5,218	946	15.3	3,547	2,669	198	109	570
20 to 24 years	1,129	63.5	1,100	790	310	28.2	649	381	99	3	166
25 to 54 years	4,532	67.6	4,512	3,916	596	13.2	2,173	1,757	99	54	263
25 to 29 years	2,107	67.5	2,088	1,709	379	18.2	1,015	809	76	12	119
30 to 34 years	1,473	71.2	1,472	1,340	132	9.0	596	489	19	10	77
35 to 44 years	952	62.9	952	867	85	8.9	562	459	4	32	67
55 to 64 years	551	43.2	551	511	40	7.2	726	532	1	53	140
55 to 59 years	340	49.2	340	317	23	6.7	351	267	1	29	56
60 to 64 years	211	36.1	211	194	17	8.0	374	264	1	25	85
65 years and over	123	8.5	123	116	7	5.5	1,330	897	--	112	322

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	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
MALES								
16 years and over	65,625	66,085	79.5	79.1	63,665	64,096	79.0	78.6
16 to 19 years	6,186	5,783	73.9	71.2	5,918	5,537	73.1	70.3
16 to 17 years	2,632	2,372	64.1	60.6	2,619	2,362	63.9	60.5
18 to 19 years	3,554	3,411	83.5	81.0	3,299	3,174	82.4	79.9
20 to 24 years	9,911	9,860	91.1	90.4	9,159	9,088	90.4	89.6
25 to 54 years	40,480	41,433	94.2	94.3	39,541	40,463	94.1	94.2
25 to 34 years	18,185	18,528	95.2	95.3	17,552	17,875	95.0	95.1
35 to 44 years	12,366	13,080	95.0	95.3	12,097	12,799	94.9	95.2
45 to 54 years	9,928	9,825	91.7	91.3	9,892	9,788	91.7	91.3
55 to 64 years	7,196	7,164	70.9	70.1	7,195	7,162	70.8	70.1
55 to 59 years	4,392	4,429	80.9	82.2	4,391	4,428	80.9	82.2
60 to 64 years	2,805	2,734	59.3	56.6	2,805	2,734	59.3	56.6
65 years and over	1,852	1,847	18.2	17.8	1,852	1,847	18.2	17.8
White								
16 years and over	57,864	58,024	80.3	79.7	56,352	56,495	79.9	79.3
16 to 19 years	5,337	4,971	76.7	73.7	5,128	4,775	75.9	72.9
16 to 17 years	2,287	2,069	66.9	63.8	2,276	2,060	66.8	63.7
18 to 19 years	3,050	2,901	86.1	82.9	2,853	2,715	85.3	81.9
20 to 24 years	8,531	8,414	92.6	91.5	7,975	7,842	92.2	91.0
25 to 54 years	35,735	36,441	95.2	95.1	34,988	35,680	95.1	95.0
25 to 34 years	15,917	16,140	96.2	96.1	15,427	15,645	96.1	96.0
35 to 44 years	10,910	11,505	96.0	95.9	10,686	11,272	95.9	95.8
45 to 54 years	8,907	8,795	92.8	92.5	8,875	8,764	92.7	92.4
55 to 64 years	6,546	6,500	71.6	70.7	6,545	6,499	71.6	70.7
55 to 59 years	3,986	4,006	82.1	82.8	3,985	4,005	82.1	82.8
60 to 64 years	2,559	2,494	59.7	57.2	2,559	2,494	59.7	57.2
65 years and over	1,716	1,699	18.6	18.1	1,716	1,699	18.6	18.1
Black and other								
16 years and over	7,761	8,061	74.0	75.1	7,313	7,600	72.8	74.0
16 to 19 years	849	812	60.5	59.0	789	762	58.7	57.4
16 to 17 years	345	303	50.0	45.3	343	302	49.9	45.3
18 to 19 years	504	509	70.7	71.9	446	460	68.1	69.8
20 to 24 years	1,380	1,446	82.6	84.2	1,184	1,246	80.3	82.1
25 to 54 years	4,746	4,992	87.4	88.8	4,553	4,782	86.9	88.4
25 to 34 years	2,268	2,388	88.6	90.1	2,125	2,230	87.9	89.4
35 to 44 years	1,456	1,574	88.6	91.2	1,411	1,527	88.3	91.0
45 to 54 years	1,021	1,029	83.3	82.8	1,017	1,025	83.3	82.8
55 to 64 years	651	663	64.1	64.6	651	663	64.1	64.6
55 to 59 years	405	423	71.2	76.6	405	423	71.2	76.6
60 to 64 years	245	240	55.1	50.7	245	240	55.1	50.7
65 years and over	136	147	14.0	14.8	136	147	14.0	14.8

HOUSEHOLD DATA

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	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
FEMALES								
16 years and over	47,256	48,621	52.6	53.4	47,077	48,430	52.5	53.3
16 to 19 years	5,119	5,021	62.9	63.5	5,091	4,996	62.7	63.4
16 to 17 years	2,179	2,049	54.7	54.0	2,179	2,049	54.7	54.0
18 to 19 years	2,940	2,972	70.7	72.3	2,912	2,947	70.5	72.2
20 to 24 years	7,811	7,829	72.3	72.5	7,724	7,737	72.1	72.2
25 to 54 years	28,480	29,768	63.9	65.3	28,416	29,695	63.8	65.3
25 to 34 years	12,746	13,213	65.5	66.8	12,688	13,148	65.4	66.7
35 to 44 years	8,833	9,467	65.3	66.5	8,828	9,460	65.3	66.5
45 to 54 years	6,901	7,087	59.4	61.5	6,901	7,087	59.4	61.5
55 to 64 years	4,681	4,823	40.3	41.2	4,681	4,823	40.3	41.2
55 to 59 years	2,968	2,973	48.7	49.1	2,968	2,973	48.7	49.1
60 to 64 years	1,713	1,849	31.1	32.8	1,713	1,849	31.1	32.8
65 years and over	1,165	1,180	7.9	7.8	1,165	1,180	7.9	7.8
White								
16 years and over	40,477	41,613	52.2	53.1	40,348	41,478	52.1	53.0
16 to 19 years	4,471	4,348	66.1	66.5	4,451	4,330	66.0	66.4
16 to 17 years	1,913	1,774	58.0	56.8	1,912	1,774	57.9	56.8
18 to 19 years	2,558	2,574	74.0	75.3	2,539	2,556	73.8	75.2
20 to 24 years	6,685	6,701	74.0	74.2	6,623	6,637	73.8	74.0
25 to 54 years	24,159	25,236	63.4	65.0	24,112	25,183	63.3	64.9
25 to 34 years	10,668	11,106	64.9	66.7	10,626	11,059	64.9	66.6
35 to 44 years	7,517	7,994	64.8	65.7	7,513	7,989	64.7	65.7
45 to 54 years	5,974	6,135	59.2	61.2	5,973	6,134	59.2	61.2
55 to 64 years	4,131	4,272	39.9	41.0	4,131	4,272	39.9	41.0
55 to 59 years	2,630	2,633	48.6	49.1	2,630	2,633	48.6	49.1
60 to 64 years	1,501	1,638	30.3	32.4	1,501	1,638	30.3	32.4
65 years and over	1,031	1,057	7.8	7.8	1,031	1,057	7.8	7.8
Black and other								
16 years and over	6,779	7,008	55.2	55.7	6,730	6,953	55.0	55.5
16 to 19 years	648	673	46.8	49.4	640	666	46.5	49.1
16 to 17 years	266	275	38.8	40.9	266	275	38.8	40.9
18 to 19 years	382	398	54.7	57.5	374	391	54.1	57.1
20 to 24 years	1,126	1,129	63.6	63.5	1,101	1,100	63.1	62.9
25 to 54 years	4,322	4,532	66.8	67.6	4,305	4,512	66.7	67.5
25 to 34 years	2,078	2,107	68.5	67.5	2,062	2,088	68.3	67.3
35 to 44 years	1,316	1,473	68.8	71.2	1,315	1,472	68.8	71.2
45 to 54 years	928	952	61.0	62.9	928	952	61.0	62.9
55 to 64 years	550	551	43.9	43.2	550	551	43.9	43.2
55 to 59 years	337	340	49.2	49.2	337	340	49.2	49.2
60 to 64 years	213	211	37.5	36.1	213	211	37.5	36.1
65 years and over	134	123	9.6	8.5	134	123	9.6	8.5

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

[Numbers in thousands]

Sex and age	July 1982						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed			Unemployed		
		Total	Agri-culture	Nonagri-cultural industries				Number
TOTAL							
16 years and over	11,762	9,447	190	9,257	2,315	19.7	6,839
16 to 19 years	1,173	633	30	603	540	46.0	1,078
16 to 17 years	469	264	15	249	205	43.8	646
18 to 19 years	704	369	16	354	335	47.5	432
20 to 24 years	1,937	1,361	21	1,340	576	29.8	763
25 to 54 years	7,420	6,322	104	6,217	1,098	14.8	2,178
25 to 34 years	3,468	2,761	35	2,726	707	20.4	971
35 to 44 years	2,345	2,103	38	2,065	242	10.3	550
45 to 54 years	1,607	1,458	31	1,427	149	9.3	656
55 to 64 years	1,011	926	22	903	86	8.5	924
55 to 59 years	631	575	17	558	56	8.9	408
60 to 64 years	380	351	5	345	29	7.8	515
65 years and over	220	205	12	193	15	6.8	1,896
Males							
16 years and over	6,039	4,822	151	4,671	1,217	20.2	2,252
16 to 19 years	618	340	22	318	279	45.1	479
16 to 17 years	245	135	14	121	110	44.9	309
18 to 19 years	373	205	9	197	169	45.3	170
20 to 24 years	1,013	724	17	707	290	28.6	213
25 to 54 years	3,756	3,167	77	3,089	589	15.7	516
25 to 34 years	1,784	1,406	27	1,379	377	21.1	199
35 to 44 years	1,164	1,025	24	1,001	139	11.9	122
45 to 54 years	808	736	26	710	72	8.9	194
55 to 64 years	539	488	22	465	52	9.6	309
55 to 59 years	346	310	17	293	36	10.4	110
60 to 64 years	193	178	5	172	15	7.8	198
65 years and over	112	103	12	91	9	8.0	735
Females							
16 years and over	5,723	4,625	39	4,586	1,098	19.2	4,587
16 to 19 years	555	293	8	285	261	47.1	599
16 to 17 years	224	129	1	128	95	42.4	337
18 to 19 years	331	164	7	157	166	50.3	262
20 to 24 years	924	637	4	633	286	31.0	550
25 to 54 years	3,664	3,155	27	3,128	509	13.9	1,662
25 to 34 years	1,684	1,355	8	1,347	330	19.6	772
35 to 44 years	1,181	1,078	14	1,064	103	8.7	428
45 to 54 years	799	722	5	717	77	9.6	462
55 to 64 years	472	438	--	438	34	7.3	615
55 to 59 years	285	265	--	265	20	7.0	299
60 to 64 years	187	173	--	173	14	7.7	317
65 years and over	108	102	--	102	6	5.7	1,161

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, 16-19 years	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
TOTAL								
Total noninstitutional population	172,385	174,544	74,164	75,429	81,711	83,091	16,510	16,024
Total labor force	112,881	114,706	59,439	60,303	42,136	43,599	11,305	10,304
Percent of population	65.5	65.7	80.1	79.9	51.6	52.5	68.5	67.4
Civilian labor force	110,742	112,526	57,747	58,559	41,986	43,434	11,009	10,533
Employed	102,612	101,490	54,526	53,619	39,048	39,665	9,038	8,206
Agriculture	3,879	4,023	2,543	2,642	742	749	594	532
Nonagricultural industries	98,732	97,467	51,983	50,977	38,306	38,916	8,443	7,574
Unemployed	8,130	11,036	3,221	4,940	2,938	3,769	1,971	2,326
Percent of labor force	7.3	9.8	5.6	8.4	7.0	8.7	17.9	22.1
Not in labor force	59,504	59,838	14,725	15,126	39,575	39,492	5,204	5,220
White								
Total noninstitutional population	149,617	151,233	65,074	66,070	70,821	71,879	13,722	13,284
Total labor force	98,341	99,637	52,526	53,054	36,006	37,265	9,809	9,319
Percent of population	65.7	65.9	80.7	80.3	50.8	51.8	71.5	70.1
Civilian labor force	96,700	97,973	51,223	51,720	35,837	37,148	9,579	9,105
Employed	90,637	89,595	48,780	47,870	33,743	34,331	8,114	7,394
Agriculture	3,610	3,745	2,352	2,455	688	694	559	596
Nonagricultural industries	87,027	85,850	46,417	45,415	33,055	33,637	7,554	6,798
Unemployed	6,063	8,378	2,443	3,851	2,154	2,816	1,466	1,711
Percent of labor force	6.3	8.6	4.8	7.4	6.0	7.6	15.3	18.8
Not in labor force	51,276	51,596	12,548	13,016	34,815	34,615	3,913	3,965
Black and other								
Total noninstitutional population	22,768	23,311	9,090	9,359	10,890	11,212	2,788	2,741
Total labor force	14,540	15,069	6,912	7,249	6,131	6,335	1,497	1,485
Percent of population	63.9	64.6	76.0	77.5	56.3	56.5	53.7	54.2
Civilian labor force	14,042	14,553	6,524	6,838	6,090	6,287	1,429	1,428
Employed	11,975	11,895	5,746	5,749	5,305	5,334	924	812
Agriculture	270	278	181	187	54	54	35	36
Nonagricultural industries	11,705	11,617	5,565	5,561	5,251	5,279	889	776
Unemployed	2,067	2,658	777	1,090	785	953	505	615
Percent of labor force	14.7	18.3	11.9	15.9	12.9	15.2	35.3	43.1
Not in labor force	8,228	8,242	2,177	2,110	4,760	4,877	1,291	1,255

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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	July 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,665	12,479	12,186	20,509	10,389	10,120	4,156	2,090	2,056
Total labor force	17,785	9,635	8,149	15,264	8,242	7,022	2,520	1,393	1,127
Percent of population	72.1	77.2	66.9	74.4	79.3	69.4	60.6	66.7	54.5
Civilian labor force	17,096	9,013	8,082	14,739	7,763	6,976	2,357	1,250	1,107
Employed	13,727	7,204	6,523	12,249	6,395	5,853	1,479	809	570
Agriculture	862	697	165	808	656	152	54	41	13
Nonagricultural industries	12,866	6,507	6,358	11,441	5,740	5,702	1,425	768	657
Unemployed	3,368	1,809	1,559	2,490	1,368	1,122	878	441	437
Looking for full-time work	2,513	1,431	1,082	1,828	1,060	767	685	370	315
Looking for part-time work	855	378	477	662	308	355	193	71	122
Percent of labor force	19.7	20.1	19.3	16.9	17.6	16.1	37.3	35.3	39.5
Not in labor force	6,881	2,844	4,037	5,245	2,147	3,098	1,636	696	939
Major activity: going to school									
Civilian labor force	370	188	183	298	167	132	72	21	51
Employed	195	105	90	175	98	78	20	8	13
Agriculture	9	8	1	11	9	1	--	--	--
Nonagricultural industries	186	97	89	164	88	76	22	9	13
Unemployed	175	82	92	123	69	54	52	13	38
Looking for full-time work	56	17	39	32	15	18	24	3	21
Looking for part-time work	119	65	53	91	54	36	28	11	17
Percent of labor force	47.2	43.9	50.6	41.3	41.4	41.1	(1)	(1)	(1)
Not in labor force	1,250	600	650	853	424	429	397	176	221
Major activity: other									
Civilian labor force	16,726	8,826	7,900	14,441	7,597	6,844	2,285	1,229	1,056
Employed	13,532	7,099	6,433	12,074	6,298	5,776	1,458	801	657
Agriculture	852	689	163	797	647	150	55	42	13
Nonagricultural industries	12,680	6,410	6,270	11,277	5,651	5,626	1,403	759	644
Unemployed	3,194	1,727	1,467	2,367	1,299	1,068	826	428	399
Looking for full-time work	2,457	1,414	1,043	1,796	1,046	750	661	368	294
Looking for part-time work	737	313	423	571	253	318	165	60	105
Percent of labor force	19.1	19.6	18.6	16.4	17.1	15.6	36.2	34.8	37.8
Not in labor force	5,631	2,244	3,387	4,392	1,723	2,669	1,239	520	718

¹ Percent not shown where base is less than 25,000.

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

[Numbers in thousands]

Sex, age, and race	July 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.....	98,511	82,003	7,035	9,472	9.6	14,015	12,451	1,564	11.2
16 to 21 years.....	13,214	8,046	2,655	2,513	19.0	3,882	3,026	855	22.0
16 to 19 years.....	7,504	3,956	1,954	1,594	21.2	3,029	2,296	732	24.2
16 to 17 years.....	2,570	1,083	945	542	21.1	1,840	1,351	489	26.6
18 to 19 years.....	4,933	2,873	1,009	1,052	21.3	1,188	945	243	20.5
20 years and over.....	91,007	78,047	5,081	7,878	8.7	10,986	10,155	831	7.6
20 to 24 years.....	15,068	11,506	1,366	2,196	14.6	1,757	1,535	222	12.6
25 years and over.....	75,938	66,542	3,715	5,683	7.5	9,229	8,621	609	6.6
25 to 54 years.....	63,832	55,713	3,057	5,063	7.9	6,324	5,836	489	7.7
55 years and over.....	12,106	10,829	658	620	5.1	2,905	2,785	120	4.1
Males, 16 years and over.....	59,915	50,683	3,618	5,613	9.4	4,181	3,622	559	13.4
16 to 21 years.....	7,303	4,492	1,381	1,431	19.6	1,710	1,332	378	22.1
16 to 19 years.....	4,155	2,252	1,014	889	21.4	1,381	1,039	343	24.8
20 years and over.....	55,760	48,432	2,604	4,724	8.5	2,799	2,583	216	7.7
20 to 24 years.....	8,447	6,427	726	1,295	15.3	640	575	65	10.2
25 years and over.....	47,313	42,005	1,878	3,429	7.2	2,159	2,007	151	7.0
25 to 54 years.....	39,505	34,917	1,529	3,059	7.7	958	856	103	10.9
55 years and over.....	7,808	7,088	349	371	4.8	1,201	1,152	48	4.0
Females, 16 years and over.....	38,596	31,320	3,417	3,859	10.0	9,834	8,830	1,004	10.2
16 to 21 years.....	5,911	3,554	1,274	1,082	18.3	2,171	1,695	477	22.0
16 to 19 years.....	3,349	1,704	940	705	21.0	1,647	1,258	390	23.7
20 years and over.....	35,247	29,616	2,477	3,154	8.9	8,187	7,572	615	7.5
20 to 24 years.....	6,621	5,079	641	901	13.6	1,116	959	157	14.1
25 years and over.....	28,626	24,536	1,837	2,254	7.9	7,070	6,613	458	6.5
25 to 54 years.....	24,328	20,795	1,528	2,005	8.2	5,366	4,980	386	7.2
55 years and over.....	4,298	3,741	309	249	5.8	1,704	1,633	71	4.2
White									
Males, 16 years and over.....	52,807	45,498	2,994	4,315	8.2	3,688	3,233	456	12.4
16 to 21 years.....	6,265	4,066	1,139	1,060	16.9	1,498	1,191	308	20.5
16 to 19 years.....	3,566	2,070	852	644	18.0	1,209	933	277	22.9
20 years and over.....	49,242	43,428	2,142	3,672	7.5	2,479	2,300	179	7.2
20 to 24 years.....	7,257	5,705	584	968	13.3	585	523	62	10.6
25 years and over.....	41,985	37,722	1,559	2,704	6.4	1,894	1,777	117	6.2
25 to 54 years.....	34,864	31,209	1,266	2,388	6.8	817	731	86	10.5
55 years and over.....	7,121	6,513	293	316	4.4	1,077	1,046	31	2.9
Females, 16 years and over.....	32,523	26,852	2,855	2,817	8.7	8,954	8,164	791	8.8
16 to 21 years.....	5,054	3,169	1,118	767	15.2	1,921	1,566	355	18.5
16 to 19 years.....	2,878	1,546	832	500	17.4	1,452	1,161	291	20.0
20 years and over.....	29,645	25,306	2,023	2,316	7.8	7,503	7,003	500	6.7
20 to 24 years.....	5,652	4,464	553	635	11.2	985	872	113	11.5
25 years and over.....	23,993	20,841	1,470	1,681	7.0	6,518	6,130	388	6.0
25 to 54 years.....	20,207	17,503	1,237	1,467	7.3	4,976	4,647	328	6.6
55 years and over.....	3,786	3,339	233	214	5.7	1,542	1,483	59	3.8
Black and other									
Males, 16 years and over.....	7,107	5,186	624	1,298	18.3	493	389	104	21.1
16 to 21 years.....	1,038	426	242	370	35.7	212	141	71	33.5
16 to 19 years.....	590	182	162	246	41.7	172	106	66	38.4
20 years and over.....	6,518	5,004	462	1,052	16.1	321	283	38	11.8
20 to 24 years.....	1,190	721	142	327	27.5	55	52	3	(2)
25 years and over.....	5,327	4,283	320	724	13.6	265	231	35	13.2
25 to 54 years.....	4,641	3,708	263	670	14.4	141	125	16	11.3
55 years and over.....	686	575	57	54	7.9	124	106	18	14.5
Females, 16 years and over.....	6,073	4,468	562	1,043	17.2	880	666	213	24.3
16 to 21 years.....	857	385	156	315	36.8	250	128	122	48.7
16 to 19 years.....	471	158	108	204	43.5	195	97	99	50.6
20 years and over.....	5,602	4,310	454	838	15.0	684	570	115	16.8
20 to 24 years.....	969	615	88	266	27.4	132	87	44	33.6
25 years and over.....	4,633	3,695	367	572	12.3	552	482	71	12.9
25 to 54 years.....	4,121	3,292	291	537	13.0	390	333	59	15.1
55 years and over.....	513	402	76	34	6.6	162	149	12	7.4

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.² Percent not shown where base is less than 75,000.

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

[Numbers in thousands]

Family relationship	July 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	112,526	65.3	101,490	11,036	9.8	59,838	32,512	2,190	2,512	22,624
Husbands	39,912	80.0	37,456	2,456	6.2	9,948	160	138	852	8,799
With employed wife	21,386	92.1	20,181	1,205	5.6	1,828	55	61	309	1,402
With unemployed wife	1,722	93.3	1,425	297	17.2	125	2	5	32	86
With wife not in labor force	16,804	67.8	15,850	954	5.7	7,996	103	71	511	7,310
Wives	25,060	50.3	23,213	1,847	7.4	24,800	21,607	203	267	2,722
With employed husband	21,606	57.7	20,181	1,425	6.6	15,850	14,282	167	86	1,315
With unemployed husband	1,502	61.2	1,205	297	19.8	954	875	13	9	56
With husband not in labor force	1,952	19.6	1,828	125	6.4	7,996	6,450	23	172	1,351
Relatives in married-couple families	15,985	71.4	13,290	2,696	16.9	6,415	1,149	1,003	308	3,956
16 to 19 years	7,337	68.3	5,918	1,419	19.3	3,407	306	552	18	2,531
20 to 24 years	5,839	82.3	4,972	867	14.8	1,255	205	394	32	624
25 years and over	2,809	61.6	2,400	410	14.6	1,753	638	57	258	801
Females who maintain families	5,868	60.8	5,137	731	12.5	3,787	2,892	79	158	658
Relatives in families maintained by females	5,408	63.6	4,075	1,332	24.6	3,096	865	366	248	1,617
16 to 19 years	1,805	61.0	1,214	590	32.7	1,153	143	253	16	742
20 to 24 years	1,654	79.4	1,252	402	24.3	430	108	78	13	231
25 years and over	1,949	56.3	1,609	340	17.4	1,513	614	35	219	644
Males who maintain families	1,803	76.5	1,639	164	9.1	554	19	21	62	452
Relatives in families maintained by males	1,497	63.3	1,232	265	17.7	870	397	64	58	351
16 to 19 years	343	64.3	235	107	31.3	190	25	26	-	139
20 to 24 years	469	83.5	376	93	19.8	92	24	32	3	33
25 years and over	685	53.8	621	65	9.5	588	348	6	55	179
Persons living alone	10,371	53.9	9,611	761	7.3	8,877	4,936	158	450	3,334
Males	5,437	72.3	4,949	488	9.0	2,080	137	98	189	1,656
Females	4,934	42.1	4,662	272	5.5	6,798	4,799	60	261	1,678
All others¹	6,622	81.6	5,837	784	11.8	1,491	487	158	109	735

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	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
	Total, 16 years and over	4,259	6,172	6.7	9.6	3,872	4,863	8.2	10.0
Married, spouse present	1,537	2,593	3.8	6.3	1,466	1,928	5.9	7.6
Widowed, divorced, or separated	450	619	8.2	11.1	758	927	8.4	10.0
Single (never married)	2,272	2,960	12.9	16.8	1,648	2,009	12.4	14.6
White, 16 years and over	3,202	4,771	5.7	8.4	2,861	3,607	7.1	8.7
Married, spouse present	1,242	2,152	3.4	5.8	1,233	1,607	5.6	7.1
Widowed, divorced, or separated	328	461	7.2	10.0	524	722	7.3	9.6
Single (never married)	1,631	2,158	10.9	14.5	1,105	1,278	10.0	11.2
Black and other, 16 years and over	1,057	1,401	14.5	18.4	1,010	1,256	15.0	18.1
Married, spouse present	295	442	7.9	11.2	233	321	8.6	11.4
Widowed, divorced, or separated	122	157	13.1	16.2	234	204	13.0	11.9
Single (never married)	641	802	24.3	29.8	543	730	24.3	30.3
Total, 20 to 64 years of age	3,173	4,888	5.7	8.6	2,901	3,736	7.1	8.6
Married, spouse present	1,475	2,539	3.8	6.5	1,375	1,834	5.7	7.4
Widowed, divorced, or separated	445	598	8.5	11.3	717	887	8.7	10.4
Single (never married)	1,253	1,752	10.7	14.4	808	1,015	9.6	11.3
White, 20 to 64 years of age	2,402	3,812	4.9	7.6	2,121	2,789	6.1	7.7
Married, spouse present	1,188	2,103	3.4	5.9	1,150	1,524	5.3	6.9
Widowed, divorced, or separated	323	449	7.4	10.3	490	690	7.5	10.0
Single (never married)	892	1,259	9.0	12.3	480	577	7.0	8.0
Black and other, 20 to 64 years of age	771	1,077	12.1	16.1	781	946	13.1	15.3
Married, spouse present	287	436	7.9	11.4	225	311	8.6	11.3
Widowed, divorced, or separated	122	149	13.6	16.0	227	197	13.3	12.0
Single (never married)	362	492	19.6	25.5	329	438	20.3	24.8

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
Total, 16 years and over	8,130	11,036	7.3	9.8	6.7	9.6	8.2	10.0
White-collar workers	2,308	2,864	4.2	5.1	2.6	3.9	5.5	6.1
Professional and technical	525	670	3.2	3.9	2.2	3.3	4.5	4.6
Managers and administrators, except farm	313	432	2.6	3.6	1.8	3.2	4.5	4.5
Sales workers	324	373	4.8	5.3	2.9	4.5	7.1	6.4
Clerical workers	1,145	1,390	5.8	6.9	5.2	6.0	5.9	7.2
Blue-collar workers	3,189	4,725	8.8	13.3	8.1	12.5	11.9	16.5
Craft and kindred workers	806	1,288	5.7	9.2	5.7	9.2	6.1	9.1
Carpenters and other construction craft workers	379	591	8.5	13.1	8.7	13.1	1.9	15.3
All other	427	697	4.4	7.4	4.2	7.3	6.7	8.3
Operatives, except transport	1,366	2,009	11.2	17.3	10.2	17.0	12.6	17.8
Transport equipment operatives	274	435	7.2	11.2	6.8	11.3	11.9	10.1
Nonfarm laborers	743	993	12.4	16.0	12.2	15.5	13.6	20.0
Construction laborers	253	270	20.9	24.0	20.8	23.2	(1)	(1)
All other	490	723	10.2	14.3	9.8	13.6	13.1	18.5
Service workers	1,257	1,716	8.3	10.9	9.0	11.6	7.9	10.6
Private household	56	91	5.1	8.1	(1)	(1)	5.0	7.2
All other	1,201	1,624	8.6	11.2	9.0	11.4	8.3	11.0
Farm workers	130	173	3.9	5.1	3.0	4.5	7.3	7.4
No previous work experience	1,245	1,559	--	--	--	--	--	--
16 to 19 years	964	1,190	--	--	--	--	--	--
20 to 24 years	189	244	--	--	--	--	--	--
25 years and over	94	125	--	--	--	--	--	--

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	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
Total, 16 years and over	100.0	100.0	7.3	9.8	6.7	9.6	8.2	10.0
Nonagricultural private wage and salary workers	70.4	74.2	7.0	9.9	6.6	10.2	7.5	9.5
Mining	.9	1.7	5.8	15.8	6.1	17.3	4.4	6.6
Construction	8.2	8.0	12.1	16.3	12.3	16.8	8.8	10.9
Manufacturing	21.6	25.6	7.5	12.3	6.3	11.5	10.1	13.9
Durable goods	13.1	16.7	7.6	13.5	6.8	13.0	9.9	15.0
Lumber and wood products	.9	1.0	9.8	16.1	8.4	15.2	18.7	20.9
Furniture and fixtures	.6	.7	8.3	14.4	5.4	11.9	14.2	19.2
Stone, clay, and glass products	.4	.7	4.7	13.1	5.0	11.3	3.6	18.6
Primary metal industries	1.3	2.2	8.4	21.0	8.6	21.1	6.9	19.8
Fabricated metal products	1.7	2.4	9.0	17.5	8.3	16.8	11.6	19.9
Machinery, except electrical equipment	2.2	3.0	5.8	11.5	5.2	11.9	8.1	10.1
Electrical equipment	1.9	2.2	6.3	9.5	4.2	6.8	8.8	13.0
Transportation equipment	2.9	2.9	10.0	14.6	9.4	13.6	13.2	19.9
Automobiles	2.0	1.7	14.1	18.2	12.3	16.1	25.0	28.3
Other transportation equipment	.9	1.2	6.2	11.4	6.5	11.3	4.5	12.1
Instruments and related products	.4	.5	4.9	7.9	4.0	6.5	6.0	9.7
Other durable goods industries	.9	1.1	9.6	14.6	6.4	12.3	14.2	18.0
Nondurable goods	8.5	8.9	7.4	10.5	5.3	8.8	10.3	12.9
Food and kindred products	2.2	1.9	9.0	10.9	6.5	8.6	14.7	15.9
Textile mill products	.9	1.5	8.7	19.6	6.9	19.3	10.5	19.9
Apparel and other textile products	2.0	1.7	11.2	14.1	13.1	10.9	10.7	14.9
Paper and allied products	.3	.5	2.9	7.6	2.3	7.3	5.1	8.8
Printing and publishing	1.0	1.0	4.9	6.9	3.7	7.4	6.5	6.2
Chemicals and allied products	.7	.7	4.4	5.6	3.3	4.6	7.1	8.1
Rubber and plastics products	.8	1.0	9.0	13.6	5.3	10.7	16.0	18.3
Other nondurable goods industries	.7	.6	8.1	9.4	6.7	10.3	10.3	8.6
Transportation and public utilities	3.0	3.3	4.2	6.0	4.4	6.4	3.6	5.2
Railroads and railway express	.3	.6	3.9	12.4	4.0	12.3	(1)	(1)
Other transportation	2.1	2.1	6.2	8.5	6.6	8.8	4.7	7.4
Communication and other public utilities	.7	.5	2.1	2.2	1.6	1.5	2.9	3.3
Wholesale and retail trade	19.5	19.6	7.7	10.2	6.5	9.4	9.1	11.1
Finance, insurance, and real estate	2.5	2.7	3.5	5.0	3.1	4.0	3.7	5.6
Service industries	14.7	13.5	6.2	7.3	5.9	7.5	6.3	7.2
Professional services	6.5	5.8	4.8	5.6	4.1	5.5	5.1	5.7
All other service industries	8.2	7.7	8.0	9.6	7.4	9.1	8.5	10.0
Agricultural wage and salary workers	2.2	2.2	8.9	11.4	7.6	10.0	13.6	16.2
All other classes of workers	12.1	9.4	3.8	4.0	3.1	3.3	4.8	4.9
No previous work experience	15.3	14.1	--	--	--	--	--	--

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

HOUSEHOLD DATA

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	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	8,130	11,036	3,221	4,940	2,938	3,769	1,971	2,326	6,063	8,378	2,067	2,658
Job losers.....	3,809	6,078	2,189	3,811	1,286	1,850	334	417	2,901	4,752	303	1,377
On layoff.....	1,203	2,023	724	1,294	426	633	53	96	998	1,667	205	356
Other job losers.....	2,606	4,055	1,465	2,517	860	1,217	281	321	1,903	3,085	703	970
Job leavers.....	977	854	352	314	450	407	175	133	776	740	201	114
Reentrants.....	2,101	2,553	573	657	1,028	1,304	500	592	1,554	1,918	547	637
New entrants.....	1,243	1,551	107	159	174	208	963	1,184	832	969	411	582
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.....	46.6	55.0	68.0	77.1	43.8	49.1	16.9	17.9	47.9	56.7	43.9	49.9
On layoff.....	14.8	18.3	22.5	26.2	14.5	16.8	2.7	4.1	16.5	19.9	9.9	13.4
Other job losers.....	32.1	36.7	45.5	50.9	29.3	32.3	14.2	13.8	31.4	36.8	34.3	36.5
Job leavers.....	12.0	7.7	10.9	6.4	15.3	10.8	8.9	5.7	12.8	8.8	9.7	4.3
Reentrants.....	25.8	23.1	17.8	13.3	35.0	34.6	25.4	25.5	25.6	22.9	26.5	23.0
New entrants.....	15.3	14.1	3.3	3.2	5.9	5.5	48.8	50.9	13.7	11.6	19.9	21.0
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.3	9.8	5.6	8.4	7.0	8.7	17.9	22.1	6.3	8.6	14.7	18.3
Job loser rate ¹	3.5	5.4	3.8	6.5	3.0	4.3	3.1	3.9	3.0	4.8	6.5	9.1
Job leaver rate ¹.....	.9	.8	.6	.5	1.1	.9	1.6	1.3	.8	.8	1.4	.9
Reentrant rate ¹	1.9	2.3	1.0	1.1	2.4	3.0	4.5	5.6	1.6	2.0	3.9	4.4
New entrant rate ¹	1.1	1.4	.2	.3	.4	.5	8.7	11.2	.9	1.0	2.9	4.0

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	July 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.....	11,036	100.0	38.0	32.7	29.2	12.5	16.8
Job losers.....	6,078	100.0	31.4	30.8	37.8	15.7	22.1
On layoff.....	2,023	100.0	43.8	29.8	26.4	10.8	15.5
Other job losers.....	4,055	100.0	25.2	31.2	43.6	18.2	25.4
Job leavers.....	854	100.0	44.4	28.6	27.0	13.9	13.2
Reentrants.....	2,553	100.0	47.7	34.0	18.3	8.7	9.6
New entrants.....	1,551	100.0	44.6	40.7	14.6	5.2	9.4
Males, 20 years and over.....	4,940	100.0	32.4	29.5	38.2	15.2	23.0
Job losers.....	3,811	100.0	30.4	28.7	40.9	15.8	25.1
On layoff.....	1,294	100.0	42.6	28.6	28.9	11.4	17.4
Other job losers.....	2,517	100.0	24.2	28.7	47.1	18.1	29.0
Job leavers.....	314	100.0	38.1	29.8	32.1	15.9	16.2
Reentrants.....	657	100.0	39.8	32.1	28.1	12.9	15.3
New entrants.....	159	100.0	37.0	36.8	26.2	8.6	17.6
Females, 20 years and over.....	3,769	100.0	40.3	31.6	28.1	12.9	15.1
Job losers.....	1,850	100.0	31.6	33.3	35.1	16.0	19.1
On layoff.....	633	100.0	41.9	34.4	23.7	10.4	13.3
Other job losers.....	1,217	100.0	26.2	32.8	41.0	18.9	22.1
Job leavers.....	407	100.0	46.6	25.6	27.8	13.8	14.0
Reentrants.....	1,304	100.0	51.0	31.4	17.6	8.5	9.1
New entrants.....	208	100.0	38.5	29.7	31.8	11.4	20.4
Both sexes, 16 to 19 years.....	2,326	100.0	46.4	41.5	12.1	6.0	6.1
Job losers.....	417	100.0	39.1	38.7	22.2	13.6	9.6
On layoff.....	96	100.0	73.4	16.2	10.3	5.2	5.2
Other job losers.....	321	100.0	28.8	45.5	25.8	16.1	9.7
Job leavers.....	133	100.0	52.3	34.8	12.8	9.3	3.6
Reentrants.....	592	100.0	49.4	41.6	9.0	4.4	4.6
New entrants.....	1,184	100.0	46.7	43.2	10.1	3.7	6.4

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

Sex, age, and race	July 1982								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	11,036	8,861	23.1	5.7	77.5	35.8	17.4	4.0	1.63
16 to 19 years	2,326	2,200	16.0	3.7	79.5	30.9	15.8	2.7	1.49
20 to 24 years	2,418	2,039	25.6	6.3	80.1	37.5	15.5	3.5	1.69
25 to 34 years	3,155	2,363	26.1	7.0	77.1	38.7	19.6	3.0	1.72
35 to 44 years	1,446	1,095	25.8	5.6	73.0	38.7	17.6	6.4	1.67
45 to 54 years	951	647	23.3	7.4	74.0	33.7	17.8	6.2	1.62
55 to 64 years	654	459	22.9	4.1	74.3	33.3	18.5	8.7	1.62
65 years and over	85	59	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	6,172	4,719	26.4	5.9	78.2	33.5	19.4	5.1	1.68
16 to 19 years	1,232	1,156	17.0	3.7	81.7	28.7	18.3	2.5	1.52
20 to 24 years	1,360	1,100	30.4	6.3	81.0	33.2	17.9	4.1	1.73
25 to 34 years	1,821	1,258	30.5	6.9	76.5	38.3	21.5	3.8	1.78
35 to 44 years	811	560	30.5	6.3	74.1	35.5	21.2	9.3	1.77
45 to 54 years	529	353	28.9	9.6	74.8	31.2	17.8	8.2	1.71
55 to 64 years	367	258	21.7	3.9	74.4	31.4	18.2	12.4	1.62
65 years and over	52	34	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	4,863	4,142	19.2	5.5	76.6	38.4	15.1	2.9	1.59
16 to 19 years	1,094	1,044	14.9	3.7	77.1	33.2	13.0	3.0	1.45
20 to 24 years	1,058	938	20.1	6.4	79.1	42.5	12.7	2.9	1.64
25 to 34 years	1,334	1,104	21.2	7.1	77.9	39.0	17.5	2.1	1.65
35 to 44 years	635	535	20.9	4.9	71.8	42.1	13.8	3.4	1.57
45 to 54 years	422	294	16.7	4.8	72.8	36.7	18.0	3.7	1.53
55 to 64 years	287	201	24.9	5.0	74.6	35.8	18.9	4.5	1.64
65 years and over	33	24	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	8,378	6,574	20.8	6.0	77.9	38.7	17.9	3.9	1.65
Males	4,771	3,559	24.2	6.4	78.6	36.4	19.8	5.3	1.71
Females	3,607	3,015	16.8	5.4	76.9	41.4	15.6	2.3	1.58
Black and other, 16 years and over	2,658	2,287	29.5	4.9	76.3	27.4	16.0	4.4	1.59
Males	1,401	1,161	33.2	4.2	76.9	24.5	18.3	4.3	1.61
Females	1,256	1,126	25.7	5.7	75.6	30.5	13.6	4.5	1.56

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	July 1982								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	11,036	8,861	23.1	5.7	77.5	35.8	17.4	4.0	1.63
Job losers	6,078	4,043	30.5	6.9	78.0	37.1	18.3	4.6	1.75
Job leavers	854	847	17.8	6.8	73.8	42.5	14.2	2.4	1.57
Reentrants	2,553	2,432	17.0	4.6	76.6	34.9	17.8	4.5	1.55
New entrants	1,551	1,538	15.8	3.8	79.5	30.1	16.1	2.9	1.48
Males, 16 years and over	6,172	4,719	26.4	5.9	78.2	33.5	19.4	5.1	1.68
Job losers	4,083	2,704	32.7	6.8	77.7	35.5	20.3	5.5	1.79
Job leavers	369	355	21.7	8.2	67.6	45.9	15.8	3.1	1.62
Reentrants	976	917	19.1	4.4	79.8	26.8	18.8	6.8	1.56
New entrants	744	743	14.9	3.4	83.2	28.5	18.6	2.3	1.51
Females, 16 years and over	4,863	4,142	19.2	5.5	76.6	38.4	15.1	2.9	1.58
Job losers	1,994	1,339	26.2	6.9	78.6	40.4	14.3	2.8	1.69
Job leavers	486	492	15.0	5.9	78.3	40.0	13.0	2.0	1.54
Reentrants	1,577	1,515	15.8	4.7	74.5	39.7	17.3	3.1	1.55
New entrants	807	795	16.6	4.3	76.0	31.6	13.7	3.4	1.46

NOTE: See note, table A-15.

HOUSEHOLD DATA

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	
	July 1981	July 1992	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
Total, 16 years and over	8,130	11,036	100.0	100.0	6,913	9,472	100.0	100.0
Less than 5 weeks	3,520	4,197	43.3	38.0	2,858	3,333	41.3	35.2
5 to 14 weeks	2,655	3,613	32.7	32.7	2,235	3,087	32.3	32.6
5 to 10 weeks	2,122	2,809	26.1	25.5	1,781	2,343	25.8	24.7
11 to 14 weeks	533	804	6.6	7.3	453	744	6.6	7.9
15 weeks and over	1,955	3,226	24.0	29.2	1,821	3,052	26.3	32.2
15 to 26 weeks	841	1,377	10.3	12.5	785	1,299	11.4	13.7
27 weeks and over	1,114	1,849	13.7	16.8	1,036	1,753	15.0	18.5
27 to 51 weeks	581	1,120	7.1	10.1	548	1,055	7.9	11.1
52 weeks and over	533	729	6.6	6.6	488	698	7.1	7.4
Average (mean) duration, in weeks	12.9	14.4	--	--	13.6	15.5	--	--
Median duration, in weeks	6.2	7.4	--	--	6.6	8.3	--	--

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			July 1981	July 1982	July 1981	July 1982
	July 1982										
Total, 16 years and over	11,036	4,197	3,613	1,377	1,849	14.4	7.4	43.3	38.0	24.0	29.2
16 to 21 years	3,368	1,512	1,296	273	288	9.9	5.7	50.2	44.9	13.6	16.6
16 to 19 years	2,326	1,079	965	139	143	8.5	5.4	52.6	46.4	10.6	12.1
20 to 24 years	2,418	971	748	341	358	13.4	7.5	43.4	40.1	22.5	28.9
25 to 34 years	3,155	1,086	1,009	428	633	16.2	8.7	38.7	34.4	30.1	33.6
35 to 44 years	1,446	522	400	224	300	17.1	8.7	40.9	36.1	30.5	36.2
45 to 54 years	951	322	272	136	222	17.7	9.9	37.8	33.8	29.7	37.6
55 to 64 years	654	197	190	94	172	19.1	10.9	38.1	30.1	39.6	40.7
65 years and over	85	22	28	15	21	20.0	12.4	39.5	25.5	34.7	42.1
Males, 16 years and over	6,172	2,138	1,976	832	1,227	16.1	8.4	39.5	34.6	28.1	33.3
16 to 21 years	1,809	757	713	166	173	10.8	6.0	46.1	41.9	16.4	19.8
16 to 19 years	1,232	539	520	81	92	9.3	5.7	49.9	43.7	12.2	14.0
20 to 24 years	1,360	502	414	223	221	14.6	8.6	38.5	36.9	23.4	32.6
25 to 34 years	1,821	534	581	257	449	18.5	10.4	35.5	29.3	34.4	38.8
35 to 44 years	811	269	210	134	198	19.6	10.3	37.5	33.2	38.0	40.9
45 to 54 years	529	177	124	80	147	19.1	10.5	31.5	33.5	32.4	43.0
55 to 64 years	367	100	108	51	108	20.9	12.4	34.9	27.1	38.9	43.5
65 years and over	52	17	18	5	12	17.6	7.0	(1)	(1)	(1)	(1)
Females, 16 years and over	4,863	2,059	1,637	545	622	12.2	6.5	47.4	42.3	19.5	24.0
16 to 21 years	1,559	754	584	106	115	8.8	5.2	54.8	48.4	10.6	14.2
16 to 19 years	1,094	540	445	58	51	7.6	5.1	55.5	49.3	8.8	10.0
20 to 24 years	1,058	469	334	118	137	11.8	6.4	48.7	44.3	16.1	24.1
25 to 34 years	1,334	551	428	170	185	13.0	7.0	42.0	41.3	25.5	26.6
35 to 44 years	635	253	190	90	102	14.0	7.0	44.2	39.8	23.2	30.3
45 to 54 years	422	144	148	56	74	16.1	9.4	45.0	34.2	26.5	30.8
55 to 64 years	287	97	82	43	64	16.9	9.4	43.2	34.0	33.2	37.3
65 years and over	33	5	10	10	9	23.7	17.1	(1)	(1)	(1)	(1)
White, 16 years and over	8,378	3,237	2,737	1,055	1,349	13.9	7.2	44.3	38.6	22.9	29.7
Males	4,771	1,693	1,518	656	904	15.6	8.1	40.4	35.5	27.6	32.7
Females	3,607	1,545	1,219	399	445	11.7	6.4	48.7	42.8	17.7	23.4
Black and other, 16 years and over	2,658	960	876	322	500	16.0	7.9	40.4	36.1	27.4	30.9
Males	1,401	445	458	176	323	18.1	9.2	37.0	31.8	29.9	35.6
Females	1,256	515	418	146	177	13.6	6.8	43.9	41.0	24.8	25.8
Males, 16 years and over:											
Married, spouse present	2,593	810	759	404	621	18.3	10.3	36.8	31.2	34.9	39.5
Widowed, divorced, or separated	619	221	161	76	161	18.5	9.2	38.2	35.7	35.9	38.3
Single (never married)	2,960	1,108	1,056	352	445	13.7	7.0	41.7	37.4	22.0	26.9
Females, 16 years and over:											
Married, spouse present	1,928	813	627	236	252	12.5	6.8	49.3	42.2	21.7	25.3
Widowed, divorced, or separated	927	353	271	126	177	15.3	8.2	39.7	38.1	28.3	32.7
Single (never married)	2,009	893	739	183	193	10.5	5.8	49.3	44.5	13.6	19.7

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	6 to 14 weeks	15 to 26 weeks	27 weeks and over			July 1981	July 1982	July 1981	July 1982
	July 1982										
OCCUPATION											
White-collar workers	2,864	1,141	977	354	391	13.0	7.0	42.1	39.9	23.0	26.0
Professional and managerial	1,102	422	362	141	177	14.0	7.3	41.9	38.3	23.4	28.9
Sales workers	373	155	109	51	58	14.4	6.7	40.2	41.7	22.9	29.1
Clerical workers	1,390	564	507	163	156	11.8	6.8	42.7	40.6	22.8	23.0
Blue-collar workers	4,725	1,566	1,386	763	1,009	17.0	9.7	41.8	33.1	30.2	37.5
Craft and kindred workers	1,288	409	400	197	283	16.6	9.5	37.7	31.7	34.1	37.2
Operatives, except transport	2,009	708	557	353	390	16.0	9.7	43.2	35.3	28.5	37.0
Transport equipment operatives	435	123	129	72	112	20.7	10.2	42.7	28.3	30.4	42.2
Nonfarm laborers	993	326	300	142	225	18.1	9.6	43.4	32.9	28.9	36.9
Service workers	1,716	699	574	171	272	13.8	6.5	44.7	40.7	21.4	25.8
INDUSTRY¹											
Agriculture	243	127	63	13	39	11.5	4.8	51.2	52.5	15.1	21.5
Construction	898	304	251	145	198	17.2	9.5	41.1	33.8	31.3	38.2
Manufacturing	2,826	904	807	492	622	17.4	10.2	39.9	32.0	31.4	39.4
Durable goods	1,841	560	505	340	436	18.2	10.8	38.8	30.4	34.0	42.2
Nondurable goods	985	344	302	153	186	15.9	9.2	41.6	34.9	27.3	34.4
Transportation and public utilities	410	136	133	57	83	17.0	9.1	46.0	33.1	28.3	34.3
Wholesale and retail trade	2,171	878	749	263	282	12.4	6.7	44.0	40.4	22.6	25.1
Finance and service industries	2,339	919	787	269	364	14.1	7.1	44.7	39.3	21.4	27.1
Public administration	194	69	62	16	47	18.0	7.7	31.7	35.7	29.6	32.4
No previous work experience	1,559	699	633	81	146	10.0	5.6	47.2	44.9	13.9	14.6

¹ Includes wage and salary workers only.

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

[In thousands]

Industry and age	Total		Males		Females	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
All industries	102,612	101,490	59,406	57,923	43,206	43,567
16 to 19 years	9,038	8,206	4,880	4,304	4,158	3,902
16 to 17 years	3,882	3,380	2,137	1,806	1,745	1,574
18 to 19 years	5,155	4,826	2,743	2,498	2,412	2,328
20 to 24 years	14,961	14,407	8,156	7,728	6,805	6,679
25 to 54 years	64,210	64,605	37,622	37,301	26,588	27,303
25 to 34 years	28,109	27,867	16,459	16,054	11,650	11,813
35 to 44 years	20,002	20,814	11,642	11,988	8,360	8,825
45 to 54 years	16,099	15,924	9,520	9,259	6,578	6,665
55 to 64 years	11,472	11,331	6,944	6,795	4,528	4,536
55 to 59 years	7,092	6,980	4,223	4,176	2,869	2,805
60 to 64 years	4,380	4,351	2,721	2,620	1,659	1,731
65 years and over	2,931	2,941	1,804	1,794	1,128	1,146
Nonagricultural industries	98,732	97,467	56,372	54,767	42,360	42,700
16 to 19 years	8,443	7,574	4,389	3,791	4,054	3,783
16 to 17 years	3,543	3,032	1,857	1,517	1,686	1,515
18 to 19 years	4,900	4,542	2,532	2,273	2,368	2,268
20 to 24 years	14,405	13,876	7,695	7,312	6,711	6,564
25 to 54 years	62,308	62,558	36,224	35,756	26,086	26,802
25 to 34 years	27,350	26,986	15,873	15,351	11,477	11,636
35 to 44 years	19,396	20,220	11,224	11,574	8,171	8,646
45 to 54 years	15,562	15,352	9,125	8,832	6,437	6,520
55 to 64 years	10,951	10,836	6,529	6,394	4,422	4,442
55 to 59 years	6,815	6,707	4,004	3,955	2,810	2,752
60 to 64 years	4,136	4,130	2,524	2,439	1,612	1,690
65 years and over	2,624	2,623	1,536	1,514	1,088	1,108
Agriculture	3,879	4,023	3,034	3,156	846	867
16 to 19 years	594	632	490	514	104	119
16 to 17 years	339	348	279	289	60	59
18 to 19 years	255	285	211	225	44	60
20 to 24 years	556	531	462	416	94	115
25 to 54 years	1,901	2,047	1,398	1,545	502	502
25 to 34 years	759	981	586	704	173	178
35 to 44 years	606	594	418	415	188	179
45 to 54 years	536	572	395	427	141	144
55 to 64 years	521	495	416	401	105	94
55 to 59 years	278	274	219	221	59	53
60 to 64 years	244	221	197	180	47	41
65 years and over	307	318	268	280	39	38

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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, 16-19 years		Females, 16-19 years	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
	TOTAL	102,612	101,490	54,526	53,619	39,048	39,665	4,880	4,304	4,158	3,902
White-collar workers	52,651	53,413	23,888	24,037	25,883	26,709	782	705	2,093	1,962
Professional and technical	15,731	16,635	8,784	9,186	6,654	7,204	141	105	152	140
Health workers	3,094	3,321	988	1,063	2,087	2,245	3	1	15	12
Teachers, except college	2,496	2,601	696	704	1,775	1,879	9	--	12	1*
Other professional and technical	10,141	10,713	7,100	7,419	2,788	3,080	129	104	125	109
Managers and administrators, except farm	11,785	11,559	8,468	8,189	3,191	3,253	63	55	64	62
Salaried workers	9,731	9,722	6,913	6,869	2,700	2,740	54	52	63	60
Self-employed workers in retail trade	845	808	534	492	308	311	2	2	1	2
Self-employed workers, except retail trade	1,209	1,029	1,020	827	182	200	7	1	--	--
Sales workers	6,412	6,600	3,292	3,336	2,460	2,547	224	248	437	468
Retail trade	3,257	3,353	1,047	1,064	1,648	1,681	157	173	435	436
Other industries	3,155	3,246	2,245	2,272	812	867	67	76	31	32
Clerical workers	18,723	18,619	3,344	3,327	13,579	13,704	354	296	1,446	1,292
Stenographers, typists, and secretaries	5,078	4,920	67	77	4,626	4,566	8	6	378	271
Other clerical workers	13,645	13,699	3,277	3,250	8,953	9,138	346	290	1,068	1,021
Blue-collar workers	32,917	30,894	24,370	23,149	5,575	5,259	2,572	2,137	401	349
Craft and kindred workers	13,276	12,681	11,915	11,375	773	838	546	437	43	32
Carpenters	1,188	1,105	1,074	1,028	22	16	89	61	3	--
Construction craft workers, except carpenters	2,872	2,806	2,617	2,584	61	69	176	144	18	9
Mechanics and repairers	3,478	3,351	3,244	3,145	67	58	167	142	1	6
Metal craft workers	1,376	1,219	1,288	1,168	55	36	33	15	--	--
Blue-collar worker supervisors, not elsewhere classified	1,860	1,710	1,652	1,482	199	225	8	3	1	--
All other	2,501	2,490	2,039	1,968	369	433	73	73	20	16
Operatives, except transport	10,855	9,576	5,942	5,260	4,102	3,703	608	421	293	192
Durable goods manufacturing	4,725	3,949	2,949	2,440	1,554	1,385	150	89	73	36
Nondurable goods manufacturing	3,401	3,153	1,305	1,232	1,871	1,762	135	59	90	100
Other industries	2,729	2,474	1,689	1,589	676	555	323	273	40	57
Transport equipment operatives	3,516	3,436	3,081	3,017	285	266	133	145	16	8
Drivers, motor vehicles	2,979	2,926	2,593	2,563	260	237	112	121	13	6
All other	537	509	488	454	25	29	21	25	3	2
Nonfarm laborers	5,270	5,202	3,432	3,497	415	453	1,285	1,135	139	117
Construction	955	857	725	672	7	13	215	166	8	5
Manufacturing	1,031	860	783	688	124	107	111	60	13	4
Other industries	3,284	3,485	1,924	2,136	284	333	959	909	117	108
Service workers	13,840	13,960	4,113	4,285	7,023	7,132	1,132	1,041	1,573	1,503
Private household workers	1,048	1,040	21	16	769	736	15	10	243	278
Service workers, except private household	12,792	12,920	4,092	4,269	6,254	6,396	1,117	1,032	1,330	1,225
Food service workers	4,842	4,869	957	1,025	2,359	2,408	674	620	852	815
Protective service workers	1,432	1,521	1,261	1,339	135	150	27	30	8	2
All other	6,518	6,530	1,874	1,905	3,760	3,838	416	382	470	408
Farm workers	3,203	3,222	2,155	2,148	568	565	395	421	95	88
Farmers and farm managers	1,551	1,554	1,325	1,323	207	211	16	19	3	2
Farm laborers and supervisors	1,652	1,668	830	825	361	355	378	401	92	86
Paid workers	1,328	1,342	794	782	163	167	308	326	63	67
Unpaid family workers	323	325	35	43	198	188	70	75	20	19

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
TOTAL						
Total, 16 years and over (thousands)	102,612	101,490	59,406	57,923	43,206	43,567
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.3	52.6	41.5	42.7	64.8	65.8
Professional and technical	15.3	16.4	15.0	16.0	15.8	16.9
Managers and administrators, except farm	11.5	11.4	14.4	14.2	7.5	7.6
Sales workers	6.2	6.5	5.9	6.2	6.7	6.9
Clerical workers	18.2	18.3	6.2	6.3	34.8	34.4
Blue-collar workers	32.1	30.4	45.4	43.7	13.8	12.9
Craft and kindred workers	12.9	12.5	21.0	20.4	1.9	2.0
Operatives, except transport	10.6	9.4	11.0	9.8	10.0	8.9
Transport equipment operatives	3.4	3.4	5.4	5.5	.7	.6
Nonfarm laborers	5.1	5.1	7.9	8.0	1.3	1.3
Service workers	13.5	13.8	8.8	9.2	19.9	19.8
Private household workers	1.0	1.0	.1	(1)	2.3	2.3
Other service workers	12.5	12.7	8.8	9.1	17.6	17.5
Farm workers	3.1	3.2	4.3	4.4	1.5	1.5
Farmers and farm managers	1.5	1.5	2.3	2.3	.5	.5
Farm laborers and supervisors	1.6	1.6	2.0	2.1	1.0	1.0
White						
Total, 16 years and over (thousands)	90,637	89,595	53,150	51,725	37,486	37,870
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.8	54.3	42.9	44.3	66.8	67.9
Professional and technical	15.5	16.7	15.3	16.5	15.8	17.0
Managers and administrators, except farm	12.2	12.2	15.2	15.1	8.0	8.1
Sales workers	6.7	7.0	6.3	6.6	7.3	7.5
Clerical workers	18.3	18.4	6.1	6.0	35.7	35.2
Blue-collar workers	31.6	29.9	44.7	42.9	13.1	12.2
Craft and kindred workers	13.4	12.9	21.5	20.9	1.9	2.1
Operatives, except transport	10.0	8.9	10.6	9.4	9.2	8.3
Transport equipment operatives	3.3	3.3	5.2	5.2	.7	.6
Nonfarm laborers	4.9	4.8	7.4	7.4	1.3	1.2
Service workers	12.3	12.5	7.9	8.2	18.5	18.3
Private household workers	.8	.8	.1	(1)	1.8	1.9
Other service workers	11.5	11.6	7.9	8.1	16.7	16.4
Farm workers	3.3	3.4	4.5	4.7	1.6	1.6
Farmers and farm managers	1.7	1.7	2.5	2.5	.5	.5
Farm laborers and supervisors	1.6	1.7	2.0	2.1	1.1	1.0
Black and other						
Total, 16 years and over (thousands)	11,975	11,895	6,256	6,199	5,719	5,696
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	40.2	40.3	30.0	29.5	51.3	52.2
Professional and technical	13.8	13.8	12.5	12.0	15.2	15.7
Managers and administrators, except farm	5.8	5.4	7.2	6.6	4.2	4.0
Sales workers	2.9	3.0	2.9	2.9	2.9	3.1
Clerical workers	17.7	18.2	7.4	8.0	29.0	29.3
Blue-collar workers	35.7	34.5	51.2	50.4	18.7	17.2
Craft and kindred workers	9.5	9.2	16.6	16.3	1.7	1.5
Operatives, except transport	15.0	13.3	14.9	13.4	15.0	13.1
Transport equipment operatives	4.3	4.2	7.6	7.4	.7	.7
Nonfarm laborers	7.0	7.8	12.1	13.2	1.3	1.9
Service workers	22.6	23.3	16.5	17.6	29.2	29.6
Private household workers	2.9	2.4	(1)	(1)	6.1	5.0
Other service workers	19.6	20.9	16.5	17.5	23.1	24.6
Farm workers	1.6	1.8	2.3	2.6	.8	.9
Farmers and farm managers	.3	.3	.4	.4	.1	.1
Farm laborers and supervisors	1.3	1.5	1.9	2.2	.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	July 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	89,655	1,307	14,964	73,384	7,377	436	1,887	1,795	341
16 to 19 years	7,408	416	700	6,291	115	51	471	67	94
16 to 17 years	2,947	304	273	2,370	52	34	240	38	69
18 to 19 years	4,461	112	428	3,921	63	17	231	29	25
20 to 24 years	13,440	132	1,364	11,944	395	41	381	105	45
25 to 34 years	25,108	143	4,008	20,957	1,794	84	457	373	51
35 to 44 years	18,324	151	3,640	14,533	1,804	92	240	299	55
45 to 54 years	13,742	144	2,960	10,637	1,524	87	181	341	50
55 to 64 years	9,609	178	1,979	7,452	1,164	63	97	368	29
55 to 59 years	5,991	108	1,237	4,647	674	41	53	203	18
60 to 64 years	3,618	71	743	2,805	489	22	44	166	11
65 years and over	2,023	142	311	1,570	582	17	59	241	17
Males, 16 years and over	49,644	299	7,465	41,880	5,058	65	1,475	1,562	119
16 to 19 years	3,686	147	364	3,176	72	32	374	65	75
16 to 17 years	1,467	108	131	1,228	26	24	196	37	55
18 to 19 years	2,219	38	233	1,948	46	8	178	28	20
20 to 24 years	7,047	47	594	6,406	253	12	288	99	29
25 to 34 years	14,125	22	1,950	12,152	1,213	13	371	325	7
35 to 44 years	10,359	26	1,797	8,536	1,212	2	170	245	--
45 to 54 years	7,792	13	1,553	6,225	1,037	4	138	288	1
55 to 64 years	5,527	16	1,022	4,489	866	1	78	323	--
55 to 59 years	3,451	10	626	2,815	505	--	44	176	--
60 to 64 years	2,076	6	396	1,674	362	1	34	147	--
65 years and over	1,107	29	184	895	405	2	56	217	7
Females, 16 years and over	40,011	1,008	7,499	31,504	2,318	370	412	233	222
16 to 19 years	3,722	270	337	3,115	43	19	97	2	19
16 to 17 years	1,479	196	142	1,142	26	10	44	1	14
18 to 19 years	2,243	74	195	1,974	17	9	53	1	5
20 to 24 years	6,393	85	770	5,538	141	29	93	6	16
25 to 34 years	10,983	121	2,058	8,804	581	71	86	48	44
35 to 44 years	7,964	125	1,842	5,997	592	90	70	54	55
45 to 54 years	5,950	131	1,407	4,412	487	83	43	53	48
55 to 64 years	4,082	162	957	2,963	297	62	19	45	30
55 to 59 years	2,540	98	611	1,832	170	42	9	26	18
60 to 64 years	1,542	65	346	1,131	128	21	10	19	12
65 years and over	916	113	128	675	177	16	3	24	17

A-24. Employed persons by industry and occupation

[In thousands]

Industry	July 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	4,023	91	38	9	84	76	12	34	451	--	6	3,222
Mining	1,024	171	111	5	124	238	293	44	27	--	11	--
Construction	6,247	249	717	40	479	3,433	262	181	857	--	30	--
Manufacturing	20,643	2,638	1,716	544	2,646	4,001	7,102	730	860	--	406	--
Durable goods	12,110	1,821	1,011	198	1,563	2,581	3,949	305	462	--	221	--
Nondurable goods	8,533	817	706	346	1,083	1,421	3,153	425	397	--	185	--
Transportation and public utilities	6,735	753	770	90	1,498	1,389	163	1,394	497	--	180	--
Wholesale and retail trade	21,123	516	3,957	4,316	3,696	1,503	903	772	1,274	--	4,186	--
Wholesale trade	4,096	209	916	963	815	370	177	399	220	--	28	--
Retail trade	17,027	307	3,041	3,353	2,881	1,134	726	373	1,054	--	4,159	--
Finance, insurance, and real estate	6,365	422	1,234	1,361	2,798	144	4	15	138	--	250	--
Services	29,903	10,724	2,322	232	5,390	1,611	786	230	885	1,040	6,686	--
Private households	1,380	13	2	--	8	6	4	5	267	1,040	37	--
Other service industries	28,523	10,711	2,320	232	5,382	1,605	782	225	618	--	6,649	--
Public administration	5,426	1,073	693	3	1,905	286	52	36	213	--	1,165	--

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			
					Paid absences ²		Unpaid absences ²	
	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982
Total, 16 years and over	11,315	11,607	11,113	11,489	6,500	6,918	3,862	3,774
Vacation	8,894	9,221	8,794	9,159	5,729	6,166	2,652	2,527
Illness	1,318	1,295	1,272	1,276	532	528	617	644
Bad weather	30	44	20	30	--	--	--	--
Industrial dispute	73	31	73	31	--	--	--	--
All other reasons	999	1,018	955	993	239	224	594	603
Males, 16 years and over	5,345	5,377	5,186	5,288	3,549	3,687	1,221	1,173
Vacation	4,058	4,215	3,985	4,169	3,117	3,301	670	642
Illness	744	653	704	638	313	292	314	280
All other reasons ³	543	508	497	481	119	93	237	251
Females, 16 years and over	5,970	6,230	5,927	6,201	2,951	3,230	2,641	2,601
Vacation	4,836	5,006	4,809	4,990	2,612	2,864	1,982	1,885
Illness	575	641	567	639	220	236	303	364
All other reasons ³	560	583	551	572	119	131	356	353

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 dispute; 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	July 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	89,882	85,978	3,904	100.0	100.0	100.0
1-34 hours	22,120	20,993	1,126	24.6	24.4	28.8
1-4 hours	777	717	60	.9	.8	1.5
5-14 hours	3,519	3,271	248	3.9	3.8	6.4
15-29 hours	10,867	10,294	572	12.1	12.0	14.7
30-34 hours	6,957	6,711	246	7.7	7.8	6.3
35 hours and over	67,762	64,984	2,778	75.4	75.6	71.2
35-39 hours	6,757	6,593	164	7.5	7.7	4.2
40 hours	39,235	38,600	636	43.7	44.9	16.3
41 hours and over	21,770	19,791	1,978	24.2	23.0	50.7
41 to 48 hours	8,002	7,741	261	8.9	9.0	6.7
49 to 59 hours	7,414	6,897	516	8.2	8.0	13.2
60 hours and over	6,354	5,153	1,201	7.1	6.0	30.8
Average hours, total at work	38.7	38.4	46.6	--	--	--
Average hours, workers on full-time schedules	43.1	42.5	55.7	--	--	--

HOUSEHOLD DATA

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

[Numbers in thousands]

Reason for working less than 35 hours	July 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	22,120	6,847	15,272	20,993	6,567	14,426
Economic reasons	7,035	2,151	4,884	6,596	2,019	4,577
Slack work	3,110	1,825	1,285	2,893	1,711	1,182
Material shortages or repairs to plant and equipment	62	62	--	60	60	--
New job started during week	186	186	--	177	177	--
Job terminated during week	78	78	--	70	70	--
Could find only part-time work	3,599	--	3,599	3,395	--	3,395
Other reasons	15,084	4,696	10,388	14,396	4,547	9,849
Does not want, or unavailable for, full-time work	8,074	--	8,074	7,695	--	7,695
Vacation	1,934	1,934	--	1,918	1,918	--
Illness	1,313	1,170	143	1,252	1,138	114
Bad weather	189	189	--	144	144	--
Industrial dispute	27	27	--	27	27	--
Legal or religious holiday	63	63	--	61	61	--
Full time for this job	1,593	--	1,593	1,533	--	1,533
All other reasons	1,892	1,314	578	1,768	1,261	507
Average hours:						
Economic reasons	21.5	24.8	20.1	21.7	25.0	20.3
Other reasons	21.9	26.0	20.0	21.9	26.2	20.0
Worked 30 to 34 hours:						
Economic reasons	2,149	1,000	1,149	2,065	956	1,109
Other reasons	4,808	2,465	2,343	4,646	2,413	2,233

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

[Numbers in thousands]

Industry	July 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	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	85,978	6,596	9,849	69,533	49,742	7,741	12,050	38.4	42.5	
Wage and salary workers	78,873	5,971	8,553	64,349	47,391	7,179	9,779	38.2	42.0	
Construction	4,738	473	172	4,093	3,058	433	602	39.4	42.1	
Manufacturing	17,539	902	449	16,188	12,186	2,010	1,992	40.3	41.6	
Durable goods	10,335	450	175	9,710	7,408	1,173	1,129	40.6	41.5	
Nondurable goods	7,204	452	274	6,478	4,779	837	862	39.8	41.9	
Transportation and public utilities	5,715	236	256	5,223	3,783	541	899	40.8	42.5	
Wholesale and retail trade	17,657	2,214	3,201	12,242	8,199	1,682	2,361	36.3	42.3	
Finance, insurance, and real estate	5,407	150	447	4,810	3,702	488	620	38.9	41.1	
Service industries	21,970	1,834	3,779	16,357	12,411	1,471	2,475	36.1	41.8	
Private households	1,217	320	487	410	278	43	89	24.5	45.6	
All other industries	20,753	1,514	3,292	15,947	12,133	1,428	2,386	36.8	41.7	
Public administration	4,964	125	241	4,598	3,570	453	575	40.3	41.7	
Self-employed workers	6,669	606	1,121	4,942	2,227	533	2,182	40.6	48.5	
Unpaid family workers	436	19	175	242	124	29	89	36.1	47.1	

¹ Includes mining, not shown separately.

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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	July 1982							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 hours or more			
TOTAL									
Both sexes, 16 years and over	85,978	6,596	9,349	69,533	49,742	19,791	38.4	42.5	
16 to 21 years	12,143	2,473	2,584	7,086	5,681	1,405	32.4	40.9	
16 to 19 years	7,156	1,803	1,930	3,423	2,787	636	29.7	40.5	
16 to 17 years	2,859	861	1,126	872	714	158	25.2	40.3	
18 to 19 years	4,297	942	804	2,551	2,073	478	32.7	40.6	
20 years and over	78,822	4,793	7,919	66,110	46,955	19,155	39.1	42.6	
20 to 24 years	12,953	1,284	1,343	10,326	7,905	2,421	37.7	41.6	
25 years and over	65,870	3,508	6,576	55,786	39,052	16,734	39.4	42.8	
25 to 44 years	41,546	2,301	3,418	35,827	24,679	11,148	40.0	42.9	
45 to 64 years	22,054	1,091	2,087	18,876	13,599	5,277	39.4	42.6	
65 years and over	2,269	116	1,070	1,083	775	308	29.5	43.1	
Males, 16 years and over	49,480	3,277	2,866	43,337	28,191	15,146	41.0	43.9	
16 to 21 years	6,177	1,233	1,122	3,822	2,876	946	33.6	41.8	
16 to 19 years	3,599	890	860	1,849	1,455	394	30.6	40.9	
16 to 17 years	1,445	447	500	458	405	93	26.1	40.9	
18 to 19 years	2,154	443	360	1,351	1,051	300	33.5	40.9	
20 years and over	45,881	2,388	2,006	41,487	26,735	14,752	41.8	44.7	
20 to 24 years	6,901	668	504	5,729	3,995	1,734	39.3	42.9	
25 years and over	38,979	1,720	1,503	35,756	22,738	13,018	42.3	44.1	
25 to 44 years	24,373	1,102	528	22,743	14,100	8,643	43.0	44.4	
45 to 64 years	13,273	546	391	12,336	8,189	4,147	42.2	43.9	
65 years and over	1,333	70	584	679	450	229	30.4	43.4	
Females, 16 years and over	36,499	3,319	6,983	26,197	21,551	4,646	34.7	47.3	
16 to 21 years	5,966	1,239	1,462	3,265	2,805	460	31.1	39.7	
16 to 19 years	3,557	913	1,071	1,573	1,331	242	28.8	40.0	
16 to 17 years	1,414	414	627	373	309	64	24.3	39.5	
18 to 19 years	2,143	499	444	1,200	1,022	178	31.9	40.2	
20 years and over	32,942	2,405	5,912	24,625	20,222	4,403	35.4	40.4	
20 to 24 years	6,051	616	840	4,595	3,909	686	35.8	40.1	
25 years and over	26,891	1,788	5,073	20,030	16,314	3,716	35.2	40.4	
25 to 44 years	17,173	1,198	2,890	13,085	10,580	2,505	35.6	40.3	
45 to 64 years	8,782	544	1,696	6,542	5,411	1,131	35.3	40.5	
65 years and over	936	46	486	404	325	79	28.2	42.6	
RACE									
White	75,840	5,467	9,043	61,330	42,959	18,371	38.5	42.7	
Males	44,109	2,704	2,568	38,837	24,669	14,168	41.3	44.1	
Females	31,731	2,762	6,476	22,493	18,291	4,202	34.6	40.4	
Black and other	10,138	1,129	806	8,203	6,782	1,421	37.3	41.1	
Males	5,371	573	298	4,500	3,522	978	38.6	42.0	
Females	4,767	555	507	3,705	3,262	443	35.8	40.0	
MARITAL STATUS									
Males, 16 years and over:									
Married, spouse present	32,441	1,240	1,126	30,075	18,872	11,203	42.6	44.2	
Widowed, divorced, or separated	4,313	296	214	3,803	2,443	1,360	41.6	44.3	
Single (never married)	12,725	1,741	1,527	9,457	6,875	2,582	36.8	42.4	
Females, 16 years and over:									
Married, spouse present	18,748	1,204	4,308	13,236	11,038	2,198	34.2	40.1	
Widowed, divorced, or separated	7,217	561	890	5,766	4,513	1,253	37.0	41.0	
Single (never married)	10,533	1,554	1,784	7,195	6,001	1,194	34.2	40.4	

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupation and sex	July 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 48 hours	49 hours or more		
Total, 16 years and over	86,743	6,715	9,964	70,064	50,023	7,798	12,243	38.4	42.6
White-collar workers	46,763	2,176	5,622	38,965	27,290	4,112	7,563	39.0	42.7
Professional and technical	13,366	464	1,506	11,396	7,882	1,158	2,356	39.4	42.8
Managers and administrators, except farm	10,500	191	410	9,899	5,207	1,332	3,360	44.8	46.2
Sales workers	6,112	494	1,240	4,378	2,847	496	1,035	36.5	43.1
Clerical workers	16,785	1,028	2,466	13,291	11,354	1,126	811	35.9	39.3
Blue-collar workers	27,392	2,652	1,429	23,311	16,845	2,888	3,578	39.4	42.5
Craft and kindred workers	11,433	765	341	10,327	7,242	1,355	1,730	40.7	42.6
Operatives, except transport	8,056	764	345	6,947	5,422	811	714	39.0	41.4
Transport equipment operatives	3,029	256	131	2,642	1,545	379	718	42.5	45.5
Nonfarm laborers	4,874	865	612	3,397	2,636	344	417	34.9	41.9
Service workers	12,588	1,887	2,913	7,788	5,888	798	1,102	33.9	42.3
Private household	963	198	396	369	247	35	87	26.9	45.5
Other service workers	11,625	1,691	2,517	7,417	5,639	763	1,015	34.4	42.1
Males, 16 years and over	50,341	3,372	2,918	43,751	28,393	5,402	9,956	41.0	43.9
White-collar workers	22,313	668	1,190	20,455	12,054	2,463	5,938	42.9	44.9
Professional and technical	8,098	219	445	7,434	4,753	786	1,895	42.0	44.9
Managers and administrators, except farm	7,546	125	169	7,252	3,477	961	2,814	46.2	47.2
Sales workers	3,382	155	321	2,906	1,648	392	866	41.2	44.6
Clerical workers	3,288	168	255	2,865	2,178	324	363	39.1	41.5
Blue-collar workers	22,816	2,122	1,005	19,689	13,799	2,519	3,371	39.9	42.9
Craft and kindred workers	10,672	730	243	9,699	6,755	1,272	1,672	40.9	42.7
Operatives, except transport	4,952	396	142	4,414	3,245	564	605	40.1	42.2
Transport equipment operatives	2,846	232	103	2,511	1,442	366	703	42.9	45.8
Nonfarm laborers	4,346	765	517	3,064	2,357	316	391	35.2	41.9
Service workers	4,912	582	723	3,607	2,540	420	647	37.5	43.6
Private household	25	8	6	11	7	--	4	28.9	45.7
Other service workers	4,886	573	717	3,596	2,533	420	643	37.6	43.6
Females, 16 years and over	36,703	3,344	7,045	26,314	21,631	2,396	2,287	34.7	40.3
White-collar workers	24,450	1,508	4,431	18,511	15,237	1,649	1,625	35.4	40.2
Professional and technical	5,268	244	1,060	3,964	3,131	372	461	35.3	40.5
Managers and administrators, except farm	2,355	66	241	2,648	1,731	371	546	41.3	43.5
Sales workers	2,730	339	919	1,472	1,198	104	170	30.7	40.3
Clerical workers	13,497	860	2,211	10,426	9,177	802	447	35.1	39.3
Blue-collar workers	4,576	530	424	3,622	3,046	369	207	36.6	40.2
Craft and kindred workers	761	36	98	627	487	82	58	37.1	40.7
Operatives, except transport	3,104	369	203	2,532	2,175	247	110	37.2	40.0
Transport equipment operatives	183	23	27	133	106	12	15	35.2	41.4
Nonfarm laborers	528	100	95	333	278	28	27	32.8	40.3
Service workers	7,577	1,306	2,190	4,181	3,348	378	455	31.5	41.1
Private household	938	189	390	359	241	35	83	26.9	45.5
Other service workers	6,739	1,116	1,800	3,823	3,108	343	372	32.2	40.7

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

[Numbers in thousands]

Employment status	July 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,138	3,634	3,504	5,908	3,020	2,889	1,230	614	616
Civilian labor force	1,933	1,128	805	1,699	987	712	234	141	93
Employed	1,551	886	665	1,428	812	616	123	74	49
Agriculture	252	195	57	244	188	56	9	7	1
Nonagricultural industries	1,299	691	608	1,185	624	560	114	67	47
Unemployed	382	242	140	271	176	95	111	66	45
Unemployment rate	19.8	21.5	17.4	16.0	17.8	13.3	47.4	46.8	48.4
Not in labor force	5,205	2,506	2,699	4,209	2,032	2,177	996	474	522
Keeping house	277	31	245	208	26	182	69	6	63
Going to school	410	236	174	263	155	107	147	81	65
Unable to work	10	8	2	8	6	2	2	1	--
All other reasons	4,508	2,231	2,278	3,730	1,845	1,885	778	386	393

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

Class of worker and occupation	July 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,551	886	665	100.0	100.0	100.0
Nonagricultural industries	1,299	691	608	83.8	78.1	91.3
Wage and salary workers	1,189	619	569	76.7	69.9	85.4
Private household workers	50.8	172	336	32.8	19.4	50.5
Government workers	137	80	57	8.8	9.0	8.6
Other wage and salary workers	543	367	177	35.0	41.5	26.6
Self-employed workers	88	55	33	5.7	6.2	5.0
Unpaid family workers	22	16	6	1.4	1.8	.9
Agriculture	252	195	57	16.2	22.0	8.6
Wage and salary workers	174	139	36	11.2	15.7	5.4
Self-employed workers	27	20	6	1.7	2.3	.9
Unpaid family workers	52	36	15	3.4	4.1	2.3
OCCUPATION						
Total	1,551	886	665	100.0	100.0	100.0
White-collar workers	296	179	117	19.1	20.2	17.6
Professional and technical	30	13	18	1.9	1.5	2.7
Managers and administrators, except farm	--	1	--	--	.1	--
Sales workers	192	137	55	12.4	15.5	8.3
Clerical workers	74	28	46	4.8	3.2	6.9
Blue-collar workers	449	398	50	29.0	44.9	7.5
Craft and kindred workers	39	34	4	2.5	3.8	.6
Operatives, except transport	34	25	9	2.2	2.8	1.4
Transport equipment operatives	6	4	2	.4	.5	.3
Nonfarm laborers	370	335	35	23.9	37.8	5.3
Service workers	600	149	451	38.7	16.8	67.7
Private household workers	342	13	329	22.1	1.5	49.4
Other service workers	257	136	122	16.6	15.3	18.3
Farm workers	206	160	46	13.3	18.1	6.9
Farmers and farm managers	5	3	2	.3	.3	.3
Farm laborers and supervisors	201	157	44	13.0	17.7	6.6

**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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL													
Total noninstitutional population ¹	172,385	172,559	172,758	172,966	173,155	173,330	173,495	173,657	173,843	174,020	174,201	174,364	174,544
Armed Forces ¹	2,139	2,160	2,165	2,158	2,158	2,164	2,159	2,168	2,175	2,176	2,175	2,173	2,180
Civilian noninstitutional population ¹	170,246	170,399	170,593	170,809	170,996	171,166	171,335	171,489	171,667	171,844	172,026	172,190	172,364
Civilian labor force	108,688	108,818	108,494	109,012	109,272	109,184	108,879	109,165	109,346	109,648	110,666	110,191	110,522
Percent of civilian population	63.8	63.9	63.6	63.8	63.9	63.8	63.5	63.7	63.7	63.8	64.3	64.0	64.1
Employed	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764	99,732
Percent of total population	58.5	58.4	58.0	58.0	57.9	57.5	57.4	57.3	57.2	57.1	57.5	57.2	57.1
Agriculture	3,342	3,404	3,358	3,378	3,372	3,209	3,411	3,373	3,349	3,309	3,488	3,357	3,460
Nonagricultural industries	97,522	97,436	96,900	96,965	96,800	96,404	96,170	96,217	96,144	96,032	96,629	96,406	96,272
Unemployed	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427	10,790
Unemployment rate	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8
Not in labor force	61,558	61,581	62,099	61,797	61,724	61,982	62,456	62,324	62,321	62,197	61,360	61,999	61,842
Males, 20 years and over													
Total noninstitutional population ¹	74,164	74,268	74,382	74,502	74,610	74,714	74,810	74,906	75,015	75,121	75,227	75,323	75,429
Civilian noninstitutional population ¹	72,472	72,559	72,670	72,795	72,921	73,020	73,120	73,209	73,287	73,392	73,499	73,595	73,685
Civilian labor force	57,172	57,250	57,262	57,355	57,459	57,665	57,368	57,448	57,554	57,730	58,164	58,016	58,084
Percent of civilian population	78.9	78.9	78.8	78.8	78.8	79.0	78.5	78.5	78.5	78.7	79.1	78.8	78.8
Employed	53,874	53,791	53,693	53,504	53,354	53,122	53,047	53,097	53,006	52,988	53,260	52,935	52,996
Percent of total population	72.6	72.4	72.2	71.8	71.5	71.1	70.5	70.9	70.7	70.5	70.8	70.3	70.3
Agriculture	2,383	2,422	2,383	2,413	2,382	2,311	2,390	2,386	2,377	2,382	2,464	2,424	2,474
Nonagricultural industries	51,491	51,369	51,310	51,091	50,972	50,811	50,657	50,711	50,629	50,606	50,796	50,561	50,522
Unemployed	3,298	3,459	3,569	3,851	4,105	4,543	4,322	4,351	4,548	4,742	4,904	5,031	5,088
Unemployment rate	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7	8.8
Not in labor force	15,300	15,309	15,408	15,440	15,462	15,355	15,752	15,761	15,733	15,662	15,335	15,569	15,601
Females, 20 years and over													
Total noninstitutional population ¹	81,711	81,822	81,946	82,074	82,193	82,306	82,415	82,523	82,640	82,753	82,868	82,976	83,091
Civilian noninstitutional population ¹	81,561	81,671	81,792	81,920	82,038	82,151	82,260	82,367	82,478	82,591	82,707	82,811	82,926
Civilian labor force	42,682	42,666	42,344	42,831	42,987	42,888	42,868	43,031	43,243	43,301	43,683	43,904	44,076
Percent of civilian population	52.3	52.2	51.8	52.3	52.4	52.2	52.1	52.2	52.4	52.4	52.8	53.0	53.2
Employed	39,810	39,841	39,426	39,814	39,878	39,713	39,764	39,744	39,807	39,715	40,075	40,350	40,392
Percent of total population	48.7	48.7	48.1	48.5	48.5	48.3	48.2	48.2	48.2	48.0	48.4	48.6	48.6
Agriculture	590	609	608	596	635	572	649	628	636	601	634	591	600
Nonagricultural industries	39,220	39,232	38,818	39,218	39,243	39,141	39,115	39,116	39,172	39,114	39,441	39,769	39,791
Unemployed	2,872	2,825	2,918	3,017	3,109	3,175	3,104	3,286	3,435	3,586	3,608	3,554	3,684
Unemployment rate	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1	8.4
Not in labor force	38,879	39,005	39,448	39,089	39,051	39,263	39,392	39,336	39,235	39,290	39,024	38,907	38,850
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,510	16,469	16,429	16,390	16,351	16,310	16,269	16,228	16,188	16,146	16,106	16,065	16,024
Civilian noninstitutional population ¹	16,213	16,169	16,131	16,093	16,037	15,995	15,955	15,913	15,902	15,861	15,820	15,794	15,753
Civilian labor force	8,834	8,902	8,888	8,826	8,826	8,631	8,643	8,686	8,549	8,616	8,819	8,271	8,362
Percent of civilian population	54.5	55.1	55.1	54.8	55.0	54.0	54.2	54.6	53.8	54.3	55.7	52.4	53.1
Employed	7,180	7,208	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429	6,344
Percent of total population	43.5	43.8	43.5	42.9	42.4	41.6	41.6	41.6	41.3	41.1	42.1	40.0	39.6
Agriculture	369	373	367	369	355	326	373	359	336	326	390	353	386
Nonagricultural industries	6,811	6,835	6,772	6,656	6,585	6,452	6,398	6,389	6,343	6,311	6,392	6,076	5,958
Unemployed	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842	2,018
Unemployment rate	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1
Not in labor force	7,379	7,267	7,243	7,267	7,211	7,364	7,312	7,227	7,353	7,245	7,001	7,523	7,391

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
FULL TIME													
Total, 16 years and over:													
Civilian labor force	92,971	92,773	92,801	93,359	93,607	93,856	93,129	93,421	93,860	93,890	94,619	93,984	94,348
Employed	86,606	86,378	86,044	86,155	86,062	85,729	85,324	85,523	85,505	85,289	85,903	85,112	85,406
Unemployed	6,365	6,400	6,757	7,204	7,545	8,127	7,805	7,897	8,355	8,601	8,717	8,873	8,942
Unemployment rate	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4	9.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,808	16,071	15,662	15,690	15,721	15,399	15,853	15,632	15,470	15,836	15,911	16,167	16,215
Employed	14,337	14,525	14,160	14,198	14,125	13,982	14,337	13,951	13,926	14,112	14,237	14,584	14,371
Unemployed	1,471	1,546	1,502	1,492	1,596	1,417	1,515	1,681	1,544	1,724	1,674	1,593	1,844
Unemployment rate	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8	11.4

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
WHITE													
Total, 16 years and over:													
Civilian labor force	95,126	95,163	94,884	95,365	95,535	95,329	95,120	95,333	95,508	96,015	96,641	96,223	96,493
Employed	89,170	89,221	88,628	88,734	88,498	88,010	87,955	87,990	87,956	87,988	88,450	88,173	88,137
Unemployed	5,956	5,942	6,256	6,631	7,037	7,319	7,165	7,344	7,552	8,026	8,191	8,050	8,356
Unemployment rate	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4	8.7
Males, 20 years and over:													
Civilian labor force	50,698	50,701	50,712	50,811	50,881	50,948	50,757	50,812	50,903	51,124	51,394	51,252	51,292
Employed	48,157	48,050	47,948	47,790	47,649	47,449	47,410	47,430	47,351	47,393	47,535	47,300	47,256
Unemployed	2,541	2,651	2,764	3,021	3,232	3,499	3,347	3,382	3,552	3,731	3,859	3,952	4,037
Unemployment rate	5.0	5.2	5.5	5.9	6.4	6.9	6.6	6.7	7.0	7.3	7.5	7.7	7.9
Females, 20 years and over:													
Civilian labor force	36,612	36,554	36,294	36,742	36,832	36,733	36,698	36,860	37,038	37,179	37,428	37,619	37,845
Employed	34,481	34,534	34,155	34,517	34,513	34,368	34,380	34,427	34,475	34,489	34,682	34,944	35,067
Unemployed	2,131	2,020	2,139	2,225	2,319	2,365	2,319	2,433	2,564	2,690	2,746	2,675	2,777
Unemployment rate	5.8	5.5	5.9	6.1	6.3	6.4	6.3	6.6	6.9	7.2	7.3	7.1	7.3
Both sexes, 16 to 19 years:													
Civilian labor force	7,816	7,908	7,878	7,812	7,822	7,648	7,665	7,662	7,567	7,712	7,819	7,352	7,356
Employed	6,532	6,637	6,525	6,427	6,336	6,193	6,166	6,133	6,130	6,106	6,233	5,929	5,814
Unemployed	1,284	1,271	1,353	1,385	1,486	1,455	1,499	1,529	1,437	1,606	1,586	1,423	1,542
Unemployment rate	16.4	16.1	17.2	17.7	19.0	19.0	19.6	20.0	19.0	20.8	20.3	19.4	21.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	13,539	13,632	13,617	13,697	13,757	13,773	13,704	13,857	13,810	13,768	14,097	13,947	14,027
Employed	11,672	11,624	11,607	11,611	11,661	11,610	11,632	11,653	11,515	11,446	11,669	11,560	11,594
Unemployed	1,867	2,008	2,010	2,086	2,096	2,163	2,072	2,204	2,294	2,322	2,429	2,387	2,433
Unemployment rate	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1	17.3
Males, 20 years and over:													
Civilian labor force	6,484	6,556	6,551	6,573	6,595	6,614	6,563	6,649	6,620	6,704	6,759	6,752	6,784
Employed	5,722	5,745	5,715	5,711	5,694	5,647	5,630	5,688	5,622	5,667	5,709	5,688	5,720
Unemployed	762	811	836	862	901	967	933	961	998	1,037	1,050	1,075	1,062
Unemployment rate	11.8	12.4	12.8	13.1	13.7	14.6	14.2	14.5	15.1	15.5	15.5	15.9	15.7
Females, 20 years and over:													
Civilian labor force	6,062	6,087	6,085	6,096	6,147	6,163	6,152	6,163	6,199	6,145	6,324	6,273	6,247
Employed	5,321	5,313	5,281	5,301	5,359	5,355	5,388	5,338	5,321	5,248	5,407	5,387	5,350
Unemployed	741	774	804	795	788	808	764	826	878	897	917	887	897
Unemployment rate	12.2	12.7	13.2	13.0	12.8	13.1	12.4	13.4	14.2	14.6	14.5	14.1	14.4
Both sexes, 16 to 19 years:													
Civilian labor force	993	989	981	1,028	1,015	996	989	1,044	991	919	1,014	912	997
Employed	629	566	611	599	608	608	614	627	573	531	553	486	524
Unemployed	364	423	370	429	407	388	375	417	418	388	461	426	473
Unemployment rate	36.7	42.8	37.7	41.7	40.1	39.0	37.9	39.9	42.2	42.2	45.5	46.7	47.4

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
CHARACTERISTIC													
Total (all civilian workers)	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8
Males, 20 years and over	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7	9.0
Females, 20 years and over	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1	9.4
Both sexes, 18-19 years	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1
White	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4	9.7
Black and other	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1	17.3
Married men, spouse present	3.9	4.0	4.4	4.8	5.2	5.7	5.3	5.3	5.5	6.0	6.1	6.5	6.6
Married women, spouse present	5.7	5.5	6.0	6.1	6.5	6.6	6.2	7.0	7.1	7.8	7.4	7.0	7.4
Women who maintain families	11.2	10.1	10.7	10.6	10.8	10.5	10.4	10.2	10.6	11.5	11.8	12.4	12.0
Full-time workers	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4	9.5
Part-time workers	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8	11.4
Unemployed 15 weeks and over ¹	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.5	2.7	2.7	3.0	3.3	3.2
Labor force time lost ²	7.9	7.9	8.5	9.1	9.5	10.1	10.0	9.8	10.4	10.4	11.1	10.2	10.7
OCCUPATION													
White-collar workers	4.0	3.9	4.1	4.1	4.2	4.5	4.2	4.6	4.8	4.9	4.8	5.0	4.9
Professional and technical	2.8	2.5	2.8	2.6	2.7	3.4	2.9	3.1	3.2	3.2	3.3	3.3	3.3
Managers and administrators, except farm	2.6	2.7	2.7	2.8	3.0	3.1	2.7	3.1	3.0	3.3	3.5	3.8	3.7
Sales workers	4.9	4.7	5.0	4.9	5.0	4.9	4.5	4.8	5.8	5.6	5.2	5.8	5.4
Clerical workers	5.7	5.7	5.8	6.0	6.0	6.2	6.3	6.7	6.9	7.2	6.8	6.9	6.9
Blue-collar workers	9.5	9.5	10.2	10.9	11.8	12.7	12.5	12.5	12.9	13.7	13.5	13.9	14.4
Craft and kindred workers	6.9	7.0	7.7	8.3	8.5	9.3	9.0	8.4	9.1	9.6	9.4	10.3	10.9
Operatives, except transport	11.1	11.1	11.6	12.8	14.1	15.5	15.4	15.4	15.9	16.9	16.5	16.7	17.4
Transport equipment operatives	7.3	8.0	8.7	8.0	10.4	10.5	10.2	10.3	10.4	10.7	11.8	13.0	11.6
Nonfarm laborers	14.4	13.2	14.6	15.6	16.0	16.9	16.9	17.9	17.9	19.2	18.3	17.9	18.6
Service workers	8.0	8.9	9.0	9.3	9.7	9.6	9.2	9.8	10.2	11.1	11.3	9.9	10.5
Farm workers	4.8	5.4	4.0	6.2	6.2	6.4	6.9	4.9	5.4	5.8	8.3	7.2	6.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.2	7.3	7.7	8.1	8.4	9.1	8.8	9.0	9.5	9.9	9.9	10.0	10.2
Construction	15.2	16.2	16.3	17.6	17.8	18.1	18.7	18.1	17.9	19.4	18.8	19.2	20.3
Manufacturing	7.3	7.0	7.9	8.6	9.4	11.0	10.4	10.6	10.8	11.3	11.6	12.3	12.0
Durable goods	7.1	6.5	7.7	8.6	9.5	11.8	11.0	11.3	10.8	11.9	12.2	13.2	12.7
Nondurable goods	7.6	7.9	8.3	8.6	9.3	9.6	9.5	9.5	10.8	10.5	10.7	11.0	11.0
Transportation	4.1	4.8	4.2	4.8	5.5	6.0	6.4	5.9	5.6	7.0	6.5	6.9	6.1
Wholesale and retail trade	7.9	7.9	8.5	8.4	8.6	8.9	8.7	9.0	10.3	10.1	10.6	9.7	10.5
Finance and service industries	5.7	5.7	6.0	6.2	6.1	6.4	5.9	6.5	6.9	7.0	6.9	6.8	7.0
Government workers	4.6	4.5	4.7	4.7	5.2	5.0	4.8	5.2	4.9	5.3	5.0	4.6	4.6
Agricultural wage and salary workers	10.7	12.0	11.0	13.4	14.1	14.8	16.2	12.8	14.0	14.6	18.2	16.3	13.8

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
DURATION													
Less than 5 weeks	3,323	3,326	3,529	3,707	3,852	4,037	3,852	3,789	3,825	3,958	3,874	3,543	3,990
5 to 14 weeks	2,312	2,469	2,585	2,686	2,882	3,016	3,068	3,052	3,078	3,304	3,320	3,458	3,161
15 weeks and over	2,170	2,217	2,248	2,292	2,364	2,372	2,399	2,724	2,954	3,015	3,286	3,673	3,580
15 to 26 weeks	1,096	1,078	1,146	1,166	1,229	1,189	1,210	1,445	1,605	1,508	1,634	1,826	1,792
27 weeks and over	1,074	1,139	1,102	1,126	1,135	1,183	1,190	1,278	1,349	1,507	1,652	1,847	1,788
Average (mean) duration, in weeks	14.1	14.3	13.7	13.6	13.1	12.8	13.5	14.1	13.9	14.2	14.6	16.5	15.6
Median duration, in weeks	7.0	7.0	6.9	6.8	6.9	6.7	7.2	7.3	7.6	8.5	9.0	9.8	9.3
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	42.6	41.5	42.2	42.7	42.3	42.8	41.3	39.6	38.8	38.5	37.0	33.2	37.2
5 to 14 weeks	29.6	30.8	30.9	30.9	31.7	32.0	32.9	31.9	31.2	32.1	31.7	32.4	29.5
15 weeks and over	27.8	27.7	26.9	26.4	26.0	25.2	25.7	28.5	30.0	29.3	31.4	34.4	33.4
15 to 26 weeks	14.0	13.5	13.7	13.4	13.5	12.6	13.0	15.1	16.3	14.7	15.6	17.1	15.7
27 weeks and over	13.8	14.2	13.2	13.0	12.5	12.6	12.8	13.4	13.7	14.7	15.8	17.3	16.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8
16 to 19 years	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1
16 to 17 years	19.8	20.8	21.4	21.5	22.6	21.9	21.9	22.7	22.7	24.6	25.3	23.7	26.1
18 to 19 years	17.8	17.6	18.5	20.0	20.5	21.2	21.3	22.0	21.3	21.9	21.3	21.9	22.9
20 to 24 years	11.5	12.1	12.3	12.7	13.0	13.5	13.5	14.1	14.2	14.7	14.3	14.4	14.5
25 years and over	5.2	5.2	5.4	5.7	6.0	6.5	6.3	6.4	6.8	7.0	7.1	7.4	7.5
25 to 54 years	5.5	5.5	5.8	6.2	6.5	6.9	6.7	6.8	7.3	7.4	7.7	7.7	7.9
55 years and over	3.5	3.5	3.8	3.8	3.8	4.1	4.2	4.3	4.6	5.0	4.8	5.4	5.2
Males, 16 years and over	6.7	7.1	7.3	7.7	8.3	9.0	8.6	8.7	9.0	9.4	9.6	9.7	9.9
16 to 19 years	18.8	19.8	19.9	20.1	21.8	22.3	22.1	22.5	23.5	24.4	24.0	24.2	25.1
16 to 17 years	19.9	21.5	21.5	21.1	22.7	22.6	23.0	23.0	24.3	24.7	26.3	25.8	28.1
18 to 19 years	17.9	18.3	18.7	19.3	21.0	22.2	21.4	22.1	22.9	24.3	21.9	24.0	23.4
20 to 24 years	11.6	12.9	13.1	13.8	14.4	14.8	14.9	15.4	15.7	16.0	15.5	15.8	15.9
25 years and over	4.7	4.9	5.0	5.5	5.8	6.5	6.3	6.3	6.6	6.9	6.9	7.5	7.5
25 to 54 years	5.0	5.2	5.5	5.9	6.3	6.9	6.7	6.7	7.1	7.2	7.5	8.0	8.1
55 years and over	3.4	3.4	3.5	3.7	3.7	4.4	4.3	4.2	4.8	5.1	4.7	5.0	4.8
Females, 16 years and over	7.8	7.7	8.0	8.2	8.4	8.5	8.4	8.9	9.0	9.4	9.5	9.1	9.6
16 to 19 years	18.6	18.2	19.5	20.7	20.9	20.5	21.2	22.1	20.1	21.3	22.1	20.2	23.1
16 to 17 years	19.7	20.0	21.2	21.9	22.5	21.1	20.6	22.5	20.8	24.5	24.1	21.4	24.1
18 to 19 years	17.7	16.9	18.3	20.6	19.9	20.0	21.1	21.9	19.6	19.4	20.6	19.7	22.2
20 to 24 years	11.3	11.1	11.4	11.5	11.3	12.0	11.9	12.7	12.6	13.3	12.9	12.9	12.9
25 years and over	5.8	5.6	6.0	6.1	6.4	6.4	6.3	6.5	7.0	7.2	7.4	7.2	7.4
25 to 54 years	6.1	6.0	6.3	6.5	6.8	6.9	6.7	7.0	7.6	7.7	8.0	7.4	7.7
55 years and over	3.7	3.7	4.3	4.0	3.8	3.7	4.1	4.3	4.3	4.8	5.0	6.0	6.0

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

[Numbers in thousands]

Reason for unemployment	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	3,867	4,106	4,426	4,573	4,905	5,343	5,205	5,153	5,622	5,906	5,901	6,302	6,177
On layoff	1,225	1,276	1,452	1,631	1,826	2,042	1,860	1,740	1,828	1,946	1,969	2,071	2,079
Other job losers	2,642	2,830	2,974	2,942	3,079	3,301	3,345	3,413	3,794	3,959	3,932	4,231	4,098
Job leavers	926	879	921	976	916	923	835	964	885	937	874	813	813
Reentrants	2,078	2,034	2,058	2,178	2,339	2,244	2,079	2,277	2,249	2,365	2,438	2,372	2,528
New entrants	940	971	977	1,002	996	1,021	1,055	1,100	1,044	1,081	1,154	1,088	1,249
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	49.5	51.4	52.8	52.4	53.6	56.1	56.7	54.3	57.4	57.4	56.9	59.6	57.4
On layoff	15.7	16.0	17.3	18.7	19.9	21.4	20.3	18.3	18.7	18.9	19.0	19.6	19.3
Other job losers	33.8	35.4	35.5	33.7	33.6	34.6	36.5	35.9	38.7	38.5	37.9	40.0	38.1
Job leavers	11.9	11.0	11.0	11.2	10.0	9.7	9.1	10.2	9.0	9.1	8.4	7.7	7.5
Reentrants	26.6	25.5	24.6	25.0	25.5	23.5	22.7	24.0	22.9	23.0	23.5	22.4	23.5
New entrants	12.0	12.2	11.7	11.5	10.9	10.7	11.5	11.6	10.7	10.5	11.1	10.3	11.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.6	3.8	4.1	4.2	4.5	4.9	4.8	4.7	5.1	5.4	5.3	5.7	5.6
Job leavers .....	.9	.8	.8	.9	.8	.8	.8	.9	.8	.9	.8	.7	.7
Reentrants	1.9	1.9	1.9	2.0	2.1	2.1	1.9	2.1	2.1	2.2	2.2	2.2	2.3
New entrants .....	.9	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764	99,732
16 to 19 years	7,180	7,208	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429	6,344
16 to 17 years	2,835	2,840	2,836	2,769	2,768	2,703	2,705	2,690	2,642	2,610	2,629	2,389	2,342
18 to 19 years	4,326	4,345	4,326	4,260	4,192	4,088	4,065	4,067	4,060	4,027	4,167	4,013	3,998
20 to 24 years	14,264	14,194	14,086	14,078	13,970	13,935	13,816	13,788	13,811	13,730	13,820	13,778	13,723
25 years and over	79,464	79,453	79,028	79,228	79,202	78,881	78,960	79,045	78,978	78,973	79,509	79,598	79,696
25 to 54 years	64,930	65,014	64,676	64,829	64,868	64,567	64,722	64,853	64,648	64,670	65,069	65,197	65,345
55 years and over	14,535	14,471	14,372	14,377	14,337	14,332	14,282	14,158	14,299	14,298	14,449	14,379	14,392
Males, 16 years and over	57,640	57,551	57,471	57,266	57,051	56,725	56,629	56,658	56,472	56,401	56,820	56,223	56,192
16 to 19 years	3,766	3,760	3,778	3,762	3,697	3,603	3,582	3,561	3,466	3,412	3,560	3,238	3,196
16 to 17 years	1,498	1,501	1,533	1,522	1,495	1,448	1,446	1,439	1,387	1,385	1,417	1,237	1,174
18 to 19 years	2,261	2,257	2,266	2,241	2,208	2,163	2,134	2,123	2,094	2,020	2,158	1,985	2,023
20 to 24 years	7,646	7,562	7,523	7,449	7,373	7,380	7,321	7,288	7,246	7,208	7,281	7,194	7,237
25 years and over	46,253	46,244	46,160	46,046	45,940	45,709	45,686	45,786	45,762	45,782	45,967	45,838	45,764
25 to 54 years	37,507	37,565	37,519	37,406	37,364	37,092	37,127	37,235	37,173	37,194	37,351	37,227	37,189
55 years and over	8,736	8,679	8,658	8,621	8,590	8,608	8,582	8,523	8,578	8,591	8,641	8,629	8,576
Females, 16 years and over	43,224	43,289	42,787	43,077	43,121	42,888	42,952	42,932	43,020	42,940	43,297	43,541	43,540
16 to 19 years	3,414	3,448	3,361	3,263	3,243	3,175	3,189	3,187	3,213	3,225	3,222	3,191	3,148
16 to 17 years	1,337	1,339	1,303	1,247	1,273	1,255	1,259	1,251	1,255	1,225	1,212	1,152	1,168
18 to 19 years	2,065	2,088	2,060	2,019	1,984	1,925	1,931	1,944	1,966	2,007	2,009	2,028	1,975
20 to 24 years	6,618	6,632	6,563	6,629	6,597	6,555	6,495	6,500	6,565	6,523	6,539	6,584	6,486
25 years and over	33,211	33,209	32,868	33,182	33,262	33,172	33,274	33,259	33,216	33,192	33,542	33,760	33,932
25 to 54 years	27,423	27,449	27,157	27,423	27,504	27,475	27,595	27,618	27,475	27,476	27,718	27,370	28,155
55 years and over	5,799	5,792	5,714	5,756	5,747	5,724	5,701	5,635	5,721	5,707	5,808	5,750	5,816

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

[In thousands]

Sex and age	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427	10,790
16 to 19 years	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842	2,018
16 to 17 years	699	746	772	757	808	759	760	792	775	851	891	742	829
18 to 19 years	938	931	983	1,062	1,080	1,098	1,098	1,149	1,099	1,130	1,126	1,126	1,182
20 to 24 years	1,847	1,949	1,972	2,054	2,088	2,168	2,161	2,271	2,293	2,374	2,303	2,321	2,325
25 years and over	4,324	4,328	4,540	4,828	5,091	5,481	5,282	5,401	5,748	5,962	6,095	6,326	6,428
25 to 54 years	3,786	3,819	4,010	4,255	4,536	4,804	4,649	4,756	5,066	5,186	5,428	5,474	5,525
55 years and over	534	526	572	574	562	620	624	630	691	752	732	824	797
Males, 16 years and over	4,171	4,385	4,506	4,798	5,133	5,578	5,338	5,384	5,610	5,846	6,029	6,065	6,161
16 to 19 years	873	926	937	947	1,028	1,035	1,016	1,033	1,062	1,104	1,125	1,034	1,073
16 to 17 years	372	411	421	408	438	424	433	429	445	454	506	429	458
18 to 19 years	494	505	521	537	587	616	581	604	621	647	606	628	618
20 to 24 years	1,005	1,120	1,131	1,194	1,245	1,278	1,284	1,324	1,346	1,377	1,333	1,347	1,371
25 years and over	2,292	2,361	2,455	2,670	2,834	3,199	3,055	3,071	3,247	3,383	3,422	3,726	3,698
25 to 54 years	1,990	2,067	2,173	2,346	2,522	2,762	2,662	2,675	2,820	2,895	3,031	3,225	3,265
55 years and over	310	303	317	333	333	397	383	377	431	461	428	457	428
Females, 16 years and over	3,653	3,593	3,730	3,871	3,967	3,993	3,960	4,191	4,243	4,461	4,520	4,362	4,629
16 to 19 years	781	768	812	854	858	818	856	905	808	875	912	808	945
16 to 17 years	327	335	351	349	370	335	327	363	330	397	385	313	371
18 to 19 years	444	426	462	525	493	482	517	545	478	483	520	498	564
20 to 24 years	842	829	841	860	843	890	877	947	947	998	969	974	964
25 years and over	2,032	1,967	2,085	2,158	2,257	2,282	2,228	2,330	2,501	2,578	2,673	2,600	2,730
25 to 54 years	1,796	1,752	1,837	1,909	2,014	2,042	1,987	2,081	2,246	2,291	2,397	2,249	2,366
55 years and over	224	223	255	241	229	223	241	253	260	291	304	367	369

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Category	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
CHARACTERISTIC													
Total, 16 years and over	100864	100840	100258	100343	100172	99,613	99,581	99,590	99,492	99,340	100117	99,764	99,732
Married men, spouse present	38,961	38,961	38,855	38,746	38,553	38,342	38,234	38,255	38,181	38,142	38,312	38,354	38,213
Married women, spouse present	24,159	24,043	23,626	23,874	23,820	23,691	23,744	23,727	23,900	23,831	24,213	24,401	24,223
OCCUPATION													
White-collar workers	52,907	53,141	52,908	53,199	53,086	53,084	52,836	52,841	52,763	53,177	53,705	53,586	53,685
Professional and technical	16,364	16,621	16,598	16,681	16,657	16,774	16,803	16,612	16,659	16,844	16,818	17,053	17,292
Managers and administrators, except farm	11,578	11,463	11,533	11,616	11,461	11,424	11,091	11,253	11,311	11,501	11,541	11,504	11,355
Sales workers	6,373	6,490	6,441	6,400	6,418	6,450	6,520	6,544	6,637	6,603	6,587	6,547	6,567
Clerical workers	18,592	18,570	18,336	18,502	18,550	18,436	18,423	18,432	18,155	18,229	18,759	18,482	18,471
Blue-collar workers	31,580	31,611	31,266	30,953	30,683	30,344	30,203	30,309	30,416	29,924	29,926	29,716	29,609
Craft and kindred workers	12,787	12,724	12,514	12,446	12,411	12,446	12,370	12,454	12,511	12,492	12,316	12,207	12,229
Operatives, except transport	10,719	10,658	10,524	10,410	10,220	10,169	9,966	9,955	9,860	9,688	9,585	9,655	9,453
Transport equipment													
operatives	3,526	3,530	3,506	3,580	3,438	3,368	3,415	3,503	3,397	3,400	3,419	3,414	3,439
Nonfarm laborers	4,548	4,699	4,722	4,517	4,614	4,361	4,451	4,397	4,648	4,343	4,607	4,441	4,488
Service workers	13,526	13,282	13,391	13,525	13,670	13,639	13,709	13,612	13,526	13,555	13,738	13,791	13,634
Farm workers	2,727	2,753	2,743	2,770	2,802	2,660	2,817	2,787	2,710	2,623	2,731	2,660	2,750
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,495	1,501	1,461	1,502	1,436	1,352	1,377	1,426	1,416	1,423	1,541	1,431	1,530
Self-employed workers	1,593	1,638	1,643	1,631	1,641	1,602	1,674	1,596	1,644	1,664	1,698	1,676	1,674
Unpaid family workers	244	256	256	261	321	228	380	359	277	270	236	251	250
Nonagricultural industries:													
Wage and salary workers	89,971	89,995	89,376	89,460	89,238	88,991	88,759	88,586	88,526	88,322	89,051	88,606	88,541
Government	15,637	15,526	15,475	15,491	15,397	15,585	15,578	15,527	15,492	15,453	15,422	15,635	15,443
Private industries	74,334	74,469	73,901	73,969	73,841	73,406	73,181	73,059	73,034	72,869	73,629	72,970	73,098
Private households	1,216	1,259	1,102	1,162	1,204	1,291	1,248	1,161	1,225	1,192	1,202	1,201	1,200
Other industries	73,118	73,210	72,799	72,807	72,637	72,115	71,932	71,898	71,809	71,677	72,427	71,770	71,898
Self-employed workers	7,071	7,103	7,217	7,152	7,141	7,057	6,971	7,055	7,126	7,264	7,269	7,319	7,268
Unpaid family workers	389	387	399	451	425	410	410	408	434	413	382	397	390
PERSONS AT WORK¹													
Nonagricultural industries	92,532	91,569	90,878	91,384	91,323	90,922	90,125	90,892	90,548	90,596	91,282	91,020	90,501
Full-time schedules	75,620	74,467	73,794	73,886	73,915	73,360	72,803	73,028	72,649	72,335	73,036	72,662	72,430
Part-time for economic reasons	4,374	4,350	4,656	5,009	5,026	5,288	5,071	5,563	5,717	5,834	5,763	5,444	5,492
Usually work full-time	1,680	1,729	1,759	2,006	1,945	2,121	1,783	2,193	2,237	2,223	2,211	2,064	2,001
Usually work part-time	2,694	2,621	2,897	3,003	3,081	3,167	3,287	3,370	3,480	3,611	3,552	3,380	3,491
Part time for noneconomic reasons	12,538	12,752	12,428	12,489	12,382	12,274	12,251	12,300	12,183	12,427	12,483	12,914	12,579

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

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	
July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	July 1981	July 1982	
VETERANS										
Total, 25 years and over	8,560	8,695	8,151	8,204	7,753	7,523	398	681	4.9	8.3
25 to 29 years	7,319	7,129	7,075	6,834	6,708	6,228	367	606	5.2	8.9
25 to 29 years	1,478	1,202	1,389	1,132	1,290	963	99	169	7.1	14.9
30 to 34 years	3,313	2,917	3,223	2,801	3,076	2,562	147	239	4.6	8.5
35 to 39 years	2,528	3,010	2,463	2,901	2,342	2,703	121	198	4.9	6.8
40 years and over	1,241	1,566	1,076	1,370	1,045	1,295	31	75	2.9	5.5
NONVETERANS										
Total, 25 to 39 years	17,260	18,264	16,303	17,345	15,350	15,741	953	1,604	5.8	9.2
25 to 29 years	7,873	8,184	7,437	7,748	6,941	6,885	496	863	6.7	11.1
30 to 34 years	5,530	5,987	5,242	5,715	4,913	5,239	329	476	6.3	8.3
35 to 39 years	3,857	4,093	3,624	3,882	3,496	3,617	128	265	3.5	6.8

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

(In thousands)

Year and month	Total	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	13,992	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	2,605	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	4,363
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	13,174
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:															
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	25,563	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.....	90,166	24,255	1,152	3,988	19,115	65,911	5,101	20,652	5,331	15,321	5,342	18,963	15,853	2,728	13,125
June.....	89,860	23,													

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
-	TOTAL	92,056	91,107	90,455	90,596	89,539	-	-	-	-	-
-	PRIVATE SECTOR	75,888	75,773	74,295	74,640	74,325	61,600	61,456	60,027	60,326	60,018
-	MINING	1,159	1,184	1,153	1,142	1,126	854	872	832	817	805
10	METAL MINING	107.0	105.3	77.4	72.0	-	80.6	78.5	56.9	51.9	-
101	Iron ores	23.0	21.7	14.4	10.4	-	18.2	16.8	11.0	7.3	-
102	Copper ores	37.1	35.7	25.3	23.9	-	28.5	27.2	18.2	17.0	-
11, 12	COAL MINING	233.7	247.6	244.6	240.0	-	192.9	204.3	201.3	196.7	-
12	BITUMINOUS COAL AND LIGNITE MINING	230.1	244.1	241.2	236.6	-	189.7	201.2	198.3	193.7	-
13	OIL AND GAS EXTRACTION	694.1	706.6	716.8	712.5	-	485.0	493.0	486.5	478.3	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	269.4	276.4	285.6	292.2	-	119.0	122.3	124.3	128.0	-
138	Oil and gas field services	424.7	430.2	431.2	420.3	-	366.0	370.7	362.2	350.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	124.3	124.3	114.6	117.2	-	95.9	95.8	87.6	89.8	-
142	Crushed and broken stone	39.2	39.1	36.4	37.3	-	32.1	32.1	29.4	30.1	-
144	Sand and gravel	36.1	36.5	32.1	34.6	-	-	-	-	-	-
147	Chemical and fertilizer minerals	27.7	27.9	25.1	24.0	-	-	-	-	-	-
-	CONSTRUCTION	4,350	4,415	3,996	4,092	4,152	3,408	3,469	3,086	3,173	3,232
15	GENERAL BUILDING CONTRACTORS	1,131.7	1,155.6	986.8	1,015.9	-	855.6	881.1	732.9	759.0	-
152	Residential building construction	544.8	558.6	471.9	494.2	-	398.0	412.5	338.2	358.7	-
153	Operative builders	63.5	62.3	50.0	51.0	-	35.5	35.2	25.4	25.8	-
154	Nonresidential building construction	523.4	534.7	464.9	470.7	-	422.1	433.4	369.3	374.5	-
16	HEAVY CONSTRUCTION CONTRACTORS	960.7	977.7	882.0	910.2	-	780.3	795.4	707.7	738.7	-
161	Highway and street construction	281.8	289.9	236.1	251.6	-	238.7	246.9	197.9	213.0	-
162	Heavy construction, except highway	678.9	687.8	645.9	658.6	-	541.6	548.5	509.8	525.7	-
17	SPECIAL TRADE CONTRACTORS	2,257.4	2,281.6	2,127.4	2,165.7	-	1,772.2	1,792.6	1,645.1	1,675.1	-
171	Plumbing, heating, air conditioning	526.8	532.2	494.4	500.3	-	389.0	393.7	358.5	362.2	-
172	Painting, paper hanging, decorating	144.4	150.7	139.9	139.7	-	120.8	126.2	112.2	116.4	-
173	Electrical work	413.6	416.9	398.3	400.4	-	318.3	321.3	303.5	304.4	-
174	Masonry, stonework, and plastering	338.1	339.9	308.7	313.6	-	289.3	291.1	260.4	264.6	-
175	Carpentering and flooring	126.8	126.7	112.7	115.8	-	95.7	95.7	83.3	86.0	-
176	Roofing and sheet metal work	159.9	163.3	152.2	157.7	-	129.2	132.6	120.2	124.9	-
-	MANUFACTURING	20,445	20,246	19,043	19,035	18,720	14,267	14,043	12,958	12,948	12,671
24, 25, 32-39	DURABLE GOODS	12,317	12,179	11,314	11,271	11,078	8,486	8,330	7,549	7,510	7,342
20-23, 26-31	NONDURABLE GOODS	8,128	8,067	7,729	7,764	7,642	5,781	5,713	5,409	5,438	5,329
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	699.4	696.9	615.4	628.9	629.1	585.6	582.7	505.6	519.4	520.6
241	Logging camps and logging contractors	84.8	87.6	74.2	81.4	-	67.1	69.8	56.8	63.9	-
242	Sawmills and planing mills	216.6	215.5	193.4	195.6	-	192.5	190.9	169.7	171.8	-
2421	Sawmills and planing mills, general	180.8	181.2	162.4	164.2	-	161.4	161.2	142.9	144.7	-
2426	Hardwood dimension and flooring	31.1	29.7	26.6	27.4	-	27.0	25.6	22.8	23.6	-
243	Millwork, plywood, and structural members	200.0	197.4	171.0	175.1	-	166.1	163.3	138.1	142.0	-
2431	Millwork	70.5	70.0	60.9	63.7	-	57.0	56.3	47.4	50.2	-
2434	Wood kitchen cabinets	47.6	47.3	40.7	40.9	-	38.6	38.2	31.9	32.0	-
2435	Hardwood veneer and plywood	25.8	24.7	22.3	22.0	-	22.7	21.7	19.4	19.1	-
2436	Softwood veneer and plywood	41.0	40.4	34.2	35.3	-	36.6	36.0	29.8	30.9	-
244	Wood containers	43.5	43.2	40.5	41.0	-	37.5	37.0	34.1	34.6	-
245	Wood buildings and mobile homes	70.9	71.4	62.2	61.9	-	52.5	53.2	45.6	45.9	-
2451	Mobile homes	50.6	50.4	48.3	48.0	-	38.9	39.0	37.1	37.3	-
249	Miscellaneous wood products	83.6	81.8	74.1	73.9	-	69.9	68.5	61.3	61.2	-
25	FURNITURE AND FIXTURES	470.9	462.3	439.6	441.1	432.0	380.1	371.9	347.3	348.1	341.4
251	Household furniture	302.4	294.4	274.6	273.1	-	253.3	246.1	226.4	224.7	-
2511	Wood household furniture	135.7	131.7	122.4	121.2	-	117.8	114.3	105.0	103.7	-
2512	Upholstered household furniture	90.1	88.6	83.1	83.1	-	73.9	72.5	66.7	66.6	-
2514	Metal household furniture	31.5	29.1	28.8	28.4	-	25.5	23.4	23.0	22.7	-
2515	Mattresses and bedsprings	31.2	30.8	28.6	28.3	-	24.0	23.6	21.5	21.2	-
252	Office furniture	54.0	53.2	53.9	54.3	-	42.2	41.5	41.3	41.7	-
253	Public building and related furniture	23.5	23.2	22.5	23.5	-	17.7	17.4	16.7	17.7	-
254	Partitions and fixtures	61.2	61.9	58.2	58.8	-	46.0	46.3	42.4	42.9	-
259	Miscellaneous furniture and fixtures	29.8	29.6	30.4	31.4	-	20.9	20.6	20.5	21.1	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	658.2	654.2	587.9	592.0	585.3	509.1	505.2	445.2	449.8	441.9
321	Flat glass	19.3	18.5	15.8	15.9	-	14.7	14.3	12.0	12.3	-
322	Glass and glassware, pressed or blown	124.2	122.9	112.0	111.7	-	105.1	104.1	93.5	93.6	-
3221	Glass containers	70.1	69.7	64.5	64.7	-	61.6	61.4	56.5	56.9	-
3229	Pressed and blown glass, nec	54.1	53.2	47.5	47.0	-	43.5	42.7	37.0	36.7	-
323	Products of purchased glass	45.6	44.8	41.0	41.5	-	30.9	29.9	27.2	27.5	-
324	Cement, hydraulic	31.2	31.7	29.1	29.3	-	24.9	25.4	22.9	23.1	-
325	Structural clay products	43.7	42.7	34.5	35.1	-	33.5	32.5	25.3	25.9	-
326	Pottery and related products	42.8	42.3	39.1	39.2	-	35.0	34.4	31.6	31.8	-
327	Concrete, gypsum, and plaster products	201.7	201.3	180.6	184.6	-	155.6	155.6	137.1	140.6	-
3271	Concrete block and brick	20.3	19.9	18.4	19.0	-	14.1	13.8	12.5	12.9	-
3272	Concrete products, nec	67.2	66.9	61.3	62.2	-	49.9	50.1	45.3	45.9	-
3273	Ready-mixed concrete	94.4	94.5	83.1	85.4	-	75.4	75.5	65.0	67.3	-
329	Misc. nonmetallic mineral products	137.8	137.9	123.6	122.4	-	99.3	99.1	85.8	85.2	-
3291	Abrasive products	28.1	27.8	25.1	25.0	-	19.1	18.8	16.0	15.9	-
3292	Asbestos products	16.1	15.9	14.2	14.0	-	12.4	12.2	10.4	10.4	-
3296	Mineral wool	30.0	30.5	27.0	27.2	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,148.1	1,128.4	948.3	935.6	919.0	885.6	866.0	704.8	694.6	680.9
331	Blast furnace and basic steel products	520.8	515.8	410.2	402.1	-	404.8	401.0	305.2	298.7	-
3312	Blast furnaces and steel mills	434.2	430.4	337.9	330.5	-	338.4	335.6	251.7	245.8	-
3317	Steel pipe and tubes	32.6	32.2	27.9	27.4	-	25.6	25.2	20.9	20.6	-
332	Iron and steel foundries	204.8	200.6	162.4	161.6	-	164.6	159.6	124.9	124.2	-
3321	Gray iron foundries	123.9	121.3	96.8	96.9	-	101.8	98.5	76.7	76.9	-
3322	Malleable iron foundries	16.7	15.8	12.7	13.3	-	13.0	12.2	9.3	9.9	-
3325	Steel foundries, nec	51.0	50.7	41.0	39.7	-	40.2	39.8	31.0	29.7	-
333	Primary nonferrous metals	71.2	70.5	60.1	58.7	-	53.8	53.2	43.3	42.1	-
3334	Primary aluminum	37.9	37.3	30.6	29.9	-	29.6	29.1	22.8	22.1	-
335	Nonferrous rolling and drawing	210.1	204.5	189.6	188.1	-	150.4	144.8	134.4	133.0	-
3351	Copper rolling and drawing	30.4	30.0	25.5	25.2	-	22.8	22.3	18.9	18.6	-
3353	Aluminum sheet, plate, and foil	36.0	33.7	30.9	30.6	-	27.6	25.3	23.7	23.5	-
3357	Nonferrous wire drawing and insulating	88.1	85.3	82.1	81.6	-	63.4	60.5	57.9	57.6	-
336	Nonferrous foundries	91.7	88.1	80.8	80.6	-	74.5	70.5	63.9	63.9	-
3361	Aluminum foundries	53.3	50.9	46.6	46.2	-	44.4	41.5	37.7	37.4	-
34	FABRICATED METAL PRODUCTS	1,616.6	1,593.6	1,464.8	1,460.2	1,428.1	1,195.6	1,172.5	1,056.3	1,054.6	1,026.8
341	Metal cans and shipping containers	72.9	72.1	67.7	68.1	-	61.9	61.7	56.9	57.5	-
3411	Metal cans	59.7	59.0	55.3	55.7	-	51.2	51.1	47.3	47.8	-
342	Cutlery, hand tools, and hardware	162.5	158.6	138.6	138.2	-	125.1	120.8	101.8	101.2	-
3423.5	Hand and edge tools, and hand saws and blades	55.8	54.2	46.7	46.1	-	42.8	41.1	34.9	34.1	-
3429	Hardware, nec	91.6	89.4	78.2	78.5	-	70.9	68.5	57.5	57.8	-
343	Plumbing and heating, except electric	68.7	68.2	65.5	65.3	-	49.4	48.9	45.2	45.3	-
3432	Plumbing fittings and brass goods	27.0	26.8	27.0	27.1	-	21.7	21.5	21.3	21.3	-
3433	Heating equipment, except electric	30.7	31.0	28.1	27.8	-	20.2	20.5	17.4	17.3	-
344	Fabricated structural metal products	512.3	511.7	466.1	465.0	-	349.5	348.7	311.1	310.9	-
3441	Fabricated structural metal	100.2	100.9	91.0	89.8	-	71.5	71.9	63.6	62.7	-
3442	Metal doors, sash, and trim	82.6	83.2	75.3	77.9	-	60.6	60.7	53.9	56.1	-
3443	Fabricated plate work (boiler shops)	150.6	148.6	135.1	132.4	-	91.1	89.7	79.5	77.5	-
3444	Sheet metal work	109.2	109.3	102.7	102.4	-	79.6	79.8	73.4	73.0	-
3446	Architectural metal work	31.0	30.6	28.1	28.2	-	21.9	21.5	19.1	19.3	-
345	Screw machine products, bolts, etc.	106.5	104.5	93.9	93.1	-	82.0	80.0	70.1	69.4	-
3451	Screw machine products	48.4	47.4	44.0	43.8	-	39.4	38.5	34.5	34.3	-
3452	Bolts, nuts, rivets, and washers	58.1	57.1	49.9	49.3	-	42.6	41.5	35.6	35.1	-
346	Metal forgings and stampings	266.7	254.0	232.7	232.0	-	212.1	200.5	183.3	182.8	-
3462	Iron and steel forgings	44.8	44.2	36.0	35.3	-	34.6	34.3	27.3	26.9	-
3465	Automotive stampings	101.6	93.0	89.0	90.0	-	84.7	76.7	75.1	76.0	-
3469	Metal stampings, nec	107.6	104.7	96.0	95.1	-	83.0	80.1	72.0	71.2	-
347	Metal services, nec	103.0	102.5	95.7	96.1	-	83.1	82.5	75.7	76.5	-
3471	Plating and polishing	70.1	69.7	65.1	65.3	-	57.4	57.0	52.6	53.1	-
3479	Metal coating and allied services	32.9	32.8	30.6	30.8	-	25.7	25.5	23.1	23.4	-
348	Ordinance and accessories, nec	69.2	69.3	71.4	72.3	-	45.1	44.5	45.8	46.8	-
3483	Ammunition, exc. for small arms, nec	26.7	26.4	26.8	27.1	-	17.5	17.0	17.6	17.9	-
349	Misc. fabricated metal products	254.8	252.7	233.2	230.1	-	187.4	184.9	166.4	164.2	-
3494	Valves and pipe fittings	105.7	105.1	97.6	95.7	-	72.6	71.9	64.7	63.3	-
3496	Misc. fabricated wire products	53.6	53.3	51.0	50.8	-	41.7	41.2	38.5	38.4	-
35	MACHINERY, EXCEPT ELECTRICAL	2,524.9	2,512.2	2,372.7	2,323.6	2,260.7	1,600.1	1,581.7	1,452.9	1,410.8	1,354.4
351	Engines and turbines	133.7	134.0	119.0	116.0	-	85.3	85.1	73.5	70.6	-
3511	Turbines and turbine generator sets	45.5	45.4	43.6	43.4	-	23.8	23.7	23.2	22.9	-
3519	Internal combustion engines, nec	88.2	88.6	75.4	72.6	-	61.5	61.4	50.3	47.7	-
352	Farm and garden machinery	156.1	154.8	141.3	135.4	-	104.8	104.1	94.3	89.3	-
3523	Farm machinery and equipment	138.3	137.6	117.6	115.3	-	92.6	92.4	77.0	75.5	-
353	Construction and related machinery	402.9	403.4	374.3	350.4	-	265.2	264.2	237.2	218.6	-
3531	Construction machinery	145.0	143.3	128.1	116.7	-	96.6	94.4	79.4	71.1	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	37.8	38.3	35.0	33.8	-	23.4	23.7	21.3	20.3	-
3533	Oil field machinery	119.7	121.2	121.0	111.4	-	83.5	84.4	83.8	75.8	-
3535	Conveyers and conveying equipment	35.1	35.2	33.1	32.3	-	19.8	19.9	17.6	17.0	-
3537	Industrial trucks and tractors	35.2	35.2	30.1	29.6	-	23.4	23.2	18.6	18.3	-
354	Metalworking machinery	366.3	363.0	329.9	324.9	-	265.3	260.9	231.6	227.2	-
3541	Machine tools, metal cutting types	80.2	79.7	65.9	63.8	-	52.2	51.5	40.2	38.6	-
3542	Machine tools, metal forming types	24.6	24.4	21.4	20.8	-	15.4	15.2	13.0	12.5	-
3544	Special dies, tools, jigs, and fixtures	137.3	136.2	130.2	129.5	-	109.3	107.5	101.8	101.1	-
3545	Machine tool accessories	69.5	68.4	63.2	61.5	-	49.1	47.9	42.7	41.3	-
3546	Power driven hand tools	30.7	30.5	26.5	26.5	-	23.7	23.4	19.4	19.1	-
355	Special industry machinery	201.8	199.2	183.5	180.7	-	128.4	126.1	112.8	110.1	-
3551	Food products machinery	44.3	43.7	42.2	41.8	-	28.3	27.8	27.0	26.6	-
3552	Textile machinery	26.4	25.6	22.9	22.3	-	18.3	17.6	15.2	14.7	-
3555	Printing trades machinery	39.3	39.2	38.0	38.1	-	24.4	24.3	22.8	23.0	-
356	General industrial machinery	323.9	320.4	295.6	288.4	-	210.1	206.6	186.3	181.5	-
3561	Pumps and pumping equipment	62.5	62.7	58.5	57.3	-	36.6	36.7	33.8	33.2	-
3562	Ball and roller bearings	57.6	55.7	50.0	47.8	-	44.6	42.7	37.0	35.4	-
3563	Air and gas compressors	31.9	31.2	30.2	29.8	-	19.0	18.4	16.7	16.5	-
3564	Blowers and fans	41.4	41.2	39.1	38.3	-	25.9	25.7	24.3	23.8	-
3566	Speed changers, drives, and gears	27.5	27.4	22.9	22.0	-	18.2	18.1	15.3	14.6	-
3568	Power transmission equipment, nec	23.2	22.8	21.0	20.0	-	16.3	16.1	14.4	13.5	-
357	Office and computing machines	464.8	468.5	487.0	490.6	-	187.9	187.9	194.7	195.6	-
3573	Electronic computing equipment	389.1	393.0	415.9	419.5	-	147.7	147.6	158.2	159.2	-
358	Refrigeration and service machinery	180.7	176.5	164.6	164.0	-	127.0	123.3	113.1	112.9	-
3585	Refrigeration and heating equipment	123.7	119.9	110.5	110.0	-	87.6	84.6	76.7	76.7	-
359	Misc. machinery, except electrical	294.7	292.4	277.5	273.2	-	226.1	223.5	209.4	205.0	-
3592	Carburetors, pistons, rings, valves	39.0	37.9	36.2	34.2	-	31.6	30.5	28.4	26.3	-
3599	Machinery, except electrical, nec	255.7	254.5	241.3	239.0	-	194.5	193.0	181.0	178.7	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,109.5	2,096.0	2,025.5	2,033.2	2,009.2	1,329.4	1,312.0	1,236.3	1,239.6	1,219.2
361	Electric distributing equipment	123.6	120.1	111.5	110.1	-	88.2	84.9	78.2	77.1	-
3612	Transformers	54.5	53.5	49.9	49.4	-	38.8	37.6	35.5	35.0	-
3613	Switchgear and switchboard apparatus	69.1	66.6	61.6	60.7	-	49.4	47.3	42.7	42.1	-
362	Electrical industrial apparatus	243.4	243.7	218.6	217.5	-	173.4	173.8	153.2	152.4	-
3621	Motors and generators	125.8	125.6	111.4	111.4	-	96.5	96.5	84.3	84.4	-
3622	Industrial controls	72.4	72.5	66.6	65.9	-	44.8	44.9	40.6	40.1	-
363	Household appliances	167.3	167.4	144.9	147.9	-	133.8	133.5	111.5	114.9	-
3632	Household refrigerators and freezers	37.8	37.5	31.0	31.6	-	31.2	30.9	24.5	25.2	-
3633	Household laundry equipment	22.6	22.8	19.7	18.8	-	17.9	18.1	14.9	14.0	-
3634	Electric housewares and fans	50.9	51.6	45.3	47.9	-	40.9	41.4	35.0	37.7	-
364	Electric lighting and wiring equipment	207.0	201.2	189.1	188.9	-	153.4	147.4	138.3	137.9	-
3641	Electric lamps	33.1	31.7	33.1	32.7	-	28.8	27.3	29.1	28.7	-
3643	Current-carrying wiring devices	85.1	83.7	77.7	78.7	-	58.0	56.6	51.7	52.3	-
3644	Noncurrent-carrying wiring devices	21.6	21.0	18.2	18.2	-	15.9	15.3	13.2	13.2	-
3645	Residential lighting fixtures	25.2	24.2	21.5	21.0	-	19.2	18.1	16.0	15.6	-
365	Radio and TV receiving equipment	106.7	107.7	95.7	94.9	-	76.1	76.2	65.6	64.8	-
3651	Radio and TV receiving sets	82.4	82.5	73.7	74.8	-	57.0	56.5	49.3	50.3	-
366	Communication equipment	552.5	551.6	554.7	555.3	-	268.6	267.2	261.4	261.3	-
3661	Telephone and telegraph apparatus	155.7	154.2	143.9	141.5	-	103.5	102.4	94.2	91.6	-
3662	Radio and TV communication equipment	396.8	397.4	410.8	413.8	-	165.1	164.8	167.2	169.7	-
367	Electronic components and accessories	561.9	558.7	569.8	576.5	-	329.8	324.6	327.2	329.9	-
3671-3	Electronic tubes	44.3	44.3	43.4	43.8	-	27.3	27.2	26.3	26.6	-
3674	Semiconductors and related devices	224.5	224.3	229.6	233.7	-	92.0	90.8	90.4	91.9	-
3679	Electronic components, nec	219.8	217.2	226.2	228.3	-	154.0	150.8	156.7	157.8	-
369	Misc. electrical equipment and supplies	147.1	145.6	141.2	142.1	-	106.1	104.4	100.9	101.3	-
3691	Storage batteries	28.1	27.6	27.6	27.8	-	21.9	21.2	21.3	21.4	-
3694	Engine electrical equipment	61.5	60.9	56.1	56.7	-	47.4	47.0	44.0	44.4	-
37	TRANSPORTATION EQUIPMENT	1,942.6	1,897.0	1,759.9	1,751.6	1,731.5	1,259.6	1,207.3	1,106.9	1,096.5	1,076.7
371	Motor vehicles and equipment	826.8	790.5	717.0	713.5	-	625.0	587.6	533.2	529.5	-
3711	Motor vehicles and car bodies	379.5	357.8	314.3	308.6	-	274.2	251.5	222.9	217.0	-
3713	Truck and bus bodies	37.7	37.9	33.4	33.1	-	28.4	28.5	25.3	25.1	-
3714	Motor vehicle parts and accessories	378.1	364.4	339.0	342.0	-	298.1	284.4	262.6	265.5	-
3715	Truck trailers	26.6	25.5	24.8	24.5	-	20.6	19.5	18.2	17.8	-
372	Aircraft and parts	651.1	647.3	613.2	611.2	-	344.7	339.4	313.3	309.4	-
3721	Aircraft	347.2	347.3	325.7	324.7	-	168.0	166.6	148.9	146.3	-
3724	Aircraft engines and engine parts	164.0	160.8	150.9	150.7	-	92.7	90.0	85.5	85.2	-
3728	Aircraft equipment, nec	139.9	139.2	136.6	135.8	-	84.0	82.8	78.9	77.9	-
373	Ship and boat building and repairing	230.8	228.5	211.0	207.7	-	178.8	173.7	161.6	158.1	-
3731	Ship building and repairing	185.2	183.6	170.6	168.8	-	140.6	136.1	128.6	126.5	-
3732	Boat building and repairing	45.6	44.9	40.4	38.9	-	38.2	37.6	33.0	31.6	-
374	Railroad equipment	55.3	53.0	39.8	38.5	-	37.6	35.0	24.7	24.1	-
376	Guided missiles, space vehicles, parts	121.7	122.9	127.1	127.6	-	36.2	36.3	38.8	38.7	-
3761	Guided missiles and space vehicles	95.3	96.4	100.4	100.9	-	26.5	26.7	28.9	29.1	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	38.8	38.0	40.9	41.7	-	23.8	23.4	28.4	29.3	-
3792	Travel trailers and campers	18.1	17.9	18.4	18.4	-	14.1	13.8	14.3	14.3	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	732.3	731.2	711.2	714.9	705.9	433.5	430.0	411.3	412.6	407.3
381	Measuring and controlling devices	78.7	78.7	76.6	76.5	-	37.9	37.5	35.6	35.5	-
382	Environmental controls	260.3	259.1	246.8	246.5	-	163.7	162.1	151.7	150.4	-
3822	Process control instruments	47.5	47.9	43.0	43.2	-	32.3	32.2	28.7	28.9	-
3823	Instruments to measure electricity	60.6	60.7	58.4	58.3	-	32.0	31.6	30.1	29.8	-
3825	Optical instruments and lenses	105.6	104.7	103.4	103.6	-	66.4	66.3	64.4	63.7	-
383	Medical instruments and supplies	33.7	33.4	33.0	32.9	-	18.5	18.8	18.1	18.2	-
384	Surgical and medical instruments	160.3	159.5	160.5	161.8	-	100.5	99.0	99.9	100.2	-
3841	Surgical appliances and supplies	75.9	76.0	77.0	78.4	-	46.1	45.5	45.6	46.2	-
3842	Ophthalmic goods	67.9	67.2	67.8	67.9	-	44.2	43.4	44.9	44.8	-
385	Photographic equipment and supplies	41.4	41.1	37.3	37.3	-	29.1	28.8	25.6	26.0	-
386	Watches, clocks, and watchcases	138.3	139.8	139.1	141.8	-	69.6	69.6	67.9	69.7	-
387	Signs and advertising displays	19.6	19.6	17.9	18.1	-	14.2	14.2	12.5	12.6	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	414.9	407.5	388.6	389.6	376.7	307.5	301.1	282.1	283.5	273.1
391	Jewelry, precious metal	56.2	53.0	56.6	56.9	-	40.0	37.7	39.7	40.1	-
3911	Musical instruments	37.0	34.4	36.2	36.5	-	25.9	23.7	25.3	25.7	-
393	Toys and sporting goods	21.7	21.8	19.5	18.8	-	17.5	17.4	15.3	14.5	-
394	Dolls, games, toys, and children's vehicles	121.2	120.5	110.1	110.3	-	91.8	91.4	81.9	82.0	-
3942, 4	Sporting and athletic goods, nec	62.5	63.3	53.7	55.2	-	46.3	47.6	38.4	39.8	-
3949	Pens, pencils, office and art supplies	58.7	57.2	56.4	55.1	-	45.5	43.8	43.5	42.2	-
395	Costume jewelry and notions	37.2	37.7	35.8	35.5	-	26.6	26.8	25.0	24.7	-
396	Costume jewelry	47.0	43.1	41.0	41.9	-	36.0	32.6	31.1	31.8	-
3961	Miscellaneous manufactures	23.9	21.3	21.4	22.1	-	18.3	16.3	16.4	16.9	-
399	Signs and advertising displays	131.6	131.4	125.6	126.2	-	95.6	95.2	89.1	90.4	-
3993	Signs and advertising displays	46.6	46.0	45.5	46.0	-	33.6	33.1	32.3	32.8	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	1,663.9	1,703.0	1,602.0	1,627.9	1,645.3	1,137.1	1,172.4	1,086.1	1,110.0	1,126.1
201	Meat packing plants	356.2	355.1	342.8	345.5	-	297.3	295.6	286.1	289.1	-
2011	Sausages and other prepared meats	155.8	154.0	148.8	147.0	-	127.9	126.0	122.4	120.9	-
2013	Poultry dressing plants	71.5	71.3	69.1	69.7	-	53.5	53.1	51.2	51.6	-
2016	Dairy products	115.4	116.9	111.5	114.9	-	104.4	105.6	100.9	104.5	-
202	Cheese, natural and processed	174.8	174.7	168.8	172.2	-	97.6	97.6	94.3	97.3	-
2022	Fluid milk	36.9	36.3	34.6	35.7	-	28.3	27.7	26.1	27.0	-
2026	Preserved fruits and vegetables	98.2	98.2	94.5	95.3	-	44.0	44.1	42.8	43.4	-
203	Canned specialties	220.3	257.4	203.1	208.8	-	176.6	211.9	164.2	170.3	-
2032	Canned fruits and vegetables	23.3	23.4	23.1	23.1	-	16.9	16.9	16.7	16.8	-
2033	Frozen fruits and vegetables	73.7	109.8	64.2	66.5	-	57.6	92.4	49.9	52.2	-
2037	Grain mill products	48.4	46.9	45.4	47.4	-	42.0	40.3	39.6	41.5	-
204	Flour and other grain mill products	139.0	138.7	135.2	137.5	-	96.6	96.4	91.2	93.1	-
2041	Prepared feeds, nec	25.4	25.8	25.7	25.9	-	16.2	16.6	15.6	15.7	-
2048	Bakery products	54.3	53.9	51.8	52.8	-	35.5	35.1	33.1	33.9	-
205	Bread, cake, and related products	219.9	219.3	217.0	218.8	-	127.6	127.4	126.3	128.0	-
2051	Cookies and crackers	178.6	178.2	176.4	177.9	-	95.2	94.9	94.4	95.8	-
2052	Sugar and confectionery products	41.3	41.1	40.6	40.9	-	32.4	32.5	31.9	32.2	-
206	Cane and beet sugar	99.9	100.0	97.6	98.7	-	74.4	74.8	72.9	74.0	-
2061-3	Confectionery products	28.6	28.2	27.9	28.0	-	20.4	20.1	20.3	20.3	-
2065	Fats and oils	52.3	52.5	50.2	50.7	-	41.3	41.8	39.7	40.3	-
207	Beverages	41.8	41.6	43.4	42.9	-	30.9	30.7	32.4	32.0	-
208	Malt beverages	237.8	239.7	234.1	238.2	-	105.4	105.7	100.5	102.3	-
2082	Bottled and canned soft drinks	51.2	51.3	49.1	49.3	-	33.5	33.2	31.7	31.5	-
2086	Misc. foods and kindred products	140.4	142.4	140.2	143.3	-	46.6	47.8	46.1	47.1	-
209	Misc. foods and kindred products	174.2	176.5	160.0	165.3	-	130.7	132.3	118.2	123.9	-
TOBACCO MANUFACTURES											
21	Cigarettes	65.5	65.3	61.1	62.6	60.7	50.2	49.9	46.7	48.1	46.0
211	Cigarettes	48.2	47.9	45.3	47.2	-	36.7	36.4	34.6	36.4	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	834.1	819.6	757.9	742.8	730.3	723.5	708.8	648.9	634.9	623.7
221	Weaving mills, synthetics	141.6	139.7	127.2	120.8	-	126.4	124.2	111.6	105.7	-
222	Weaving and finishing mills, wool	112.3	111.6	96.6	89.5	-	101.1	100.3	85.4	78.2	-
223	Narrow fabric mills	19.7	18.1	17.4	17.0	-	16.4	15.0	14.6	14.1	-
224	Knitting mills	24.0	23.2	22.9	22.9	-	21.2	20.4	19.9	19.9	-
225	Women's hosiery, except socks	222.0	219.7	205.3	207.4	-	192.6	189.7	176.9	179.8	-
2251	Hosiery, nec	31.8	31.3	30.7	31.2	-	28.4	28.1	27.4	28.0	-
2252	Knit outerwear mills	33.6	33.5	31.2	31.7	-	30.6	30.4	28.1	28.5	-
2253	Knit underwear mills	73.5	73.0	70.3	70.9	-	62.6	62.1	59.8	61.0	-
2254	Knit underwear mills	31.1	30.3	27.9	28.2	-	27.1	25.9	23.5	23.8	-

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					
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P	
	TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	30.0	29.7	25.2	25.3	-	25.4	25.0	21.3	21.5	-	-
226	Textile finishing, except wool	71.7	68.9	67.3	66.8	-	59.7	57.1	55.7	55.2	-	-
2261	Finishing plants, cotton	29.5	28.6	28.7	28.4	-	24.3	23.4	23.5	23.2	-	-
2262	Finishing plants, synthetics	27.7	26.5	25.2	24.7	-	23.3	22.2	21.1	20.6	-	-
227	Floor covering mills	53.0	52.6	48.8	49.2	-	42.5	42.3	38.4	38.7	-	-
228	Yarn and thread mills	122.9	120.2	112.1	109.5	-	110.8	108.3	99.1	96.4	-	-
2281	Yarn mills, except wool	83.2	82.0	76.7	75.1	-	76.3	75.1	68.9	67.2	-	-
2282	Throwing and winding mills	20.4	19.7	18.1	17.9	-	18.0	17.5	15.8	15.6	-	-
229	Miscellaneous textile goods	66.9	65.6	60.3	59.7	-	52.8	51.5	47.3	46.9	-	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,271.8	1,218.2	1,171.6	1,182.2	1,116.5	1,085.4	1,034.6	991.1	1,002.1	940.1	-
231	Men's and boys' suits and coats	77.4	74.4	75.7	76.6	-	68.2	64.9	66.0	66.7	-	-
232	Men's and boys' furnishings	356.7	346.6	330.0	332.6	-	305.0	296.5	280.1	283.6	-	-
2321	Men's and boys' shirts and nightwear	99.0	97.5	92.4	94.4	-	85.4	84.0	79.3	81.0	-	-
2327	Men's and boys' separate trousers	72.5	70.4	68.9	68.5	-	63.4	61.2	60.0	59.8	-	-
2328	Men's and boys' work clothing	104.2	100.1	94.5	96.0	-	86.9	82.9	78.1	80.3	-	-
233	Women's and misses' outerwear	418.3	395.4	378.3	383.1	-	359.0	338.3	322.7	326.9	-	-
2331	Women's and misses' blouses and waists	62.8	61.8	59.2	60.0	-	54.9	53.8	50.9	51.7	-	-
2335	Women's and misses' dresses	140.5	128.4	128.3	128.9	-	123.6	112.1	111.4	111.8	-	-
2337	Women's and misses' suits and coats	65.3	62.9	53.3	57.7	-	55.9	53.6	45.3	49.3	-	-
2339	Women's and misses' outerwear, nec.	149.7	142.3	137.5	136.5	-	124.6	118.8	115.1	114.1	-	-
234	Women's and children's undergarments	91.5	89.6	86.1	85.6	-	78.2	76.3	73.1	72.6	-	-
2341	Women's and children's underwear	72.9	71.3	70.0	69.9	-	63.5	61.9	60.9	60.8	-	-
2342	Brassieres and allied garments	18.6	18.3	16.1	15.7	-	14.7	14.4	12.2	11.8	-	-
236	Children's outerwear	65.2	64.5	61.6	62.4	-	55.3	54.5	52.3	52.9	-	-
2361	Children's dresses and blouses	27.3	27.2	25.9	26.3	-	24.4	24.2	23.2	23.5	-	-
238	Misc. apparel and accessories	58.6	55.5	52.2	52.8	-	49.9	46.6	43.4	44.2	-	-
239	Misc. fabricated textile products	180.1	168.9	165.3	166.4	-	148.9	138.2	134.6	136.1	-	-
2391	Curtains and draperies	26.9	26.0	24.9	25.1	-	22.4	21.7	20.3	20.4	-	-
2392	House furnishings, nec.	48.1	46.9	45.5	46.1	-	39.6	38.7	37.5	38.2	-	-
2396	Automotive and apparel trimmings	33.6	27.0	26.9	27.4	-	28.7	22.0	21.8	22.3	-	-
26	PAPER AND ALLIED PRODUCTS	696.5	691.8	660.1	664.4	655.5	526.3	521.1	491.8	494.9	489.5	-
261, 26	Paper and pulp mills	207.1	207.3	194.4	198.2	-	156.0	156.0	145.4	149.0	-	-
262	Paper mills, except building paper	178.5	178.6	168.4	171.5	-	133.4	133.4	124.4	127.3	-	-
263	Paperboard mills	64.3	63.9	60.5	60.5	-	50.5	50.0	47.0	46.8	-	-
264	Misc. converted paper products	221.7	220.9	215.1	214.5	-	164.2	163.0	156.1	155.1	-	-
2641	Paper coating and glazing	56.2	55.6	55.1	55.7	-	36.4	36.2	34.7	35.4	-	-
2642	Envelopes	25.3	25.0	25.1	24.9	-	19.8	19.4	19.3	19.0	-	-
2643	Bags, except textile bags	49.6	49.1	48.9	48.5	-	38.8	38.1	37.7	37.2	-	-
265	Paperboard containers and boxes	203.4	199.7	190.1	191.2	-	155.6	152.1	143.3	144.0	-	-
2651	Folding paperboard boxes	43.4	42.6	42.0	42.1	-	33.9	33.1	32.5	32.5	-	-
2653	Corrugated and solid fiber boxes	104.4	102.7	96.3	96.9	-	76.8	75.1	70.3	70.7	-	-
2654	Sanitary food containers	25.7	25.3	24.2	24.5	-	21.1	20.9	19.4	19.6	-	-
27	PRINTING AND PUBLISHING	1,264.0	1,264.0	1,271.6	1,269.1	1,259.7	695.3	692.2	698.3	694.0	686.0	-
271	Newspapers	422.1	422.7	424.1	424.8	-	161.0	160.9	160.5	160.4	-	-
272	Periodicals	95.2	96.7	99.3	100.1	-	18.8	18.4	21.9	21.8	-	-
273	Books	100.8	99.4	100.1	97.9	-	51.9	50.3	51.3	49.4	-	-
2731	Book publishing	70.5	70.2	70.2	69.3	-	26.8	26.2	26.8	26.0	-	-
2732	Book printing	30.3	29.2	29.9	28.6	-	25.1	24.1	24.5	23.4	-	-
274	Miscellaneous publishing	48.8	48.5	49.1	49.2	-	25.8	25.2	25.8	25.8	-	-
275	Commercial printing	415.6	414.2	417.2	414.9	-	304.4	303.6	306.0	303.7	-	-
2751	Commercial printing, letterpress	153.9	153.6	151.6	150.5	-	113.0	112.9	111.6	110.9	-	-
2752	Commercial printing, lithographic	239.0	238.2	242.8	241.8	-	173.1	172.7	176.3	174.9	-	-
276	Manifold business forms	49.2	49.0	48.6	48.7	-	34.2	34.0	34.0	34.1	-	-
278	Blankbooks and bookbinding	63.1	63.7	62.9	62.9	-	51.6	52.0	51.1	50.9	-	-
279	Printing trade services	44.4	44.2	45.0	45.0	-	33.0	32.6	33.3	33.2	-	-
28	CHEMICALS AND ALLIED PRODUCTS	1,121.6	1,116.7	1,079.7	1,082.6	1,075.2	639.3	633.2	602.7	602.7	597.0	-
281	Industrial inorganic chemicals	161.2	161.1	154.6	154.9	-	88.4	88.0	83.4	83.7	-	-
2819	Industrial inorganic chemicals, nec.	106.4	106.3	101.0	101.4	-	58.2	57.8	53.8	53.5	-	-
282	Plastics materials and synthetics	197.8	197.2	184.3	184.9	-	132.1	131.4	119.7	119.3	-	-
2821	Plastics materials and resins	79.4	79.4	74.0	74.3	-	47.2	47.2	43.0	43.5	-	-
2824	Organic fibers, noncellulosic	83.4	82.9	78.1	78.5	-	58.9	58.3	54.7	54.2	-	-
283	Drugs	201.2	200.8	199.4	200.9	-	100.6	99.9	97.9	97.9	-	-
2834	Pharmaceutical preparations	159.0	158.4	156.7	158.3	-	78.2	77.3	75.5	76.1	-	-
284	Soap, cleaners, and toilet goods	146.5	145.7	142.8	145.4	-	92.2	92.0	88.6	90.4	-	-
2841	Soap and other detergents	44.5	44.2	43.6	44.8	-	29.4	29.0	28.5	29.2	-	-
2844	Toilet preparations	63.1	62.9	60.8	62.0	-	41.6	42.1	39.7	40.5	-	-
2842, 3	Polishing, sanitation, and finishing preparations	38.9	38.6	38.4	39.6	-	21.2	20.9	20.4	20.7	-	-
285	Paints and allied products	65.1	64.5	59.9	60.9	-	32.8	32.1	28.9	29.8	-	-
286	Industrial organic chemicals	180.9	180.4	175.3	175.1	-	92.0	90.6	88.3	88.8	-	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,359.8	1,366.2	1,361.1	1,363.3	-	1,101.3	1,107.1	1,084.6	1,087.0	-
509	Miscellaneous durable goods	210.3	206.3	186.6	184.0	-	177.9	174.4	155.8	153.0	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,199	2,192	2,174	2,189	-	1,798	1,792	1,772	1,783	-
511	Paper and paper products	155.9	155.2	156.5	156.9	-	126.8	126.2	125.6	125.9	-
512	Drugs, proprietaries, and sundries	150.8	150.6	152.0	154.0	-	127.3	127.6	128.6	129.6	-
513	Apparel, piece goods, and notions	169.6	168.9	168.6	170.3	-	133.4	132.8	131.4	132.9	-
514	Groceries and related products	672.4	672.7	655.1	666.4	-	578.0	578.5	562.9	573.8	-
516	Chemicals and allied products	134.1	133.6	136.3	137.5	-	96.9	96.7	96.9	97.9	-
517	Petroleum and petroleum products	234.8	235.6	233.4	233.6	-	177.2	178.1	175.8	176.0	-
518	Beer, wine, and distilled beverages	143.8	145.2	144.8	147.5	-	120.5	122.0	120.6	123.1	-
519	Miscellaneous nondurable goods	399.3	397.2	399.2	397.4	-	325.5	322.4	325.7	323.0	-
52-59	RETAIL TRADE	15,274	15,209	15,306	15,341	15,300	13,644	13,601	13,728	13,756	13,705
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	623.5	618.8	597.8	602.4	-	528.1	523.1	504.7	508.4	-
521	Lumber and other building materials	326.3	325.0	306.4	313.5	-	276.4	275.3	258.3	265.2	-
525	Hardware stores	151.5	152.2	146.7	147.7	-	129.7	129.9	124.8	126.1	-
53	GENERAL MERCHANDISE STORES	2,190.2	2,195.5	2,182.2	2,186.2	-	1,962.0	1,977.0	2,019.2	2,023.6	-
531	Department stores	1,834.3	1,838.6	1,830.1	1,831.8	-	1,641.1	1,655.1	1,700.9	1,703.4	-
533	Variety stores	230.8	228.6	222.4	221.6	-	213.7	211.6	206.8	205.7	-
539	Misc. general merchandise stores	125.1	128.3	129.7	132.8	-	107.2	110.3	111.5	114.5	-
54	FOOD STORES	2,432.9	2,422.1	2,447.8	2,464.6	-	2,252.9	2,246.1	2,266.9	2,285.4	-
541	Grocery stores	2,131.6	2,128.6	2,147.8	2,161.4	-	1,979.4	1,979.7	1,995.0	2,008.9	-
542	Meat markets and freezer provisioners	56.6	55.3	55.6	55.5	-	-	-	-	-	-
546	Retail bakeries	128.5	124.8	127.5	129.3	-	117.7	114.4	117.4	119.6	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,662.0	1,661.7	1,644.7	1,659.4	-	1,408.6	1,409.5	1,385.7	1,400.1	-
551.2	New and used car dealers	753.5	750.2	732.0	737.3	-	616.3	613.9	599.0	604.1	-
553	Auto and home supply stores	265.5	268.0	275.2	277.0	-	230.8	232.4	236.5	238.6	-
554	Gasoline service stations	561.0	561.5	552.3	558.0	-	491.0	492.3	481.1	486.2	-
56	APPAREL AND ACCESSORY STORES	953.2	943.7	954.4	958.1	-	814.2	806.6	811.6	814.6	-
561	Men's and boys' clothing and furnishings	126.2	125.9	125.6	126.2	-	106.5	106.7	106.2	107.1	-
562	Women's ready-to-wear stores	345.9	339.1	344.4	345.3	-	299.8	293.9	297.2	297.2	-
565	Family clothing stores	175.5	176.1	174.0	174.3	-	153.0	153.6	151.6	152.3	-
566	Shoe stores	203.4	201.8	209.5	211.3	-	167.6	166.2	170.0	171.4	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	597.2	598.1	586.9	586.7	-	492.0	493.9	484.4	483.8	-
571	Furniture and home furnishings stores	373.3	373.4	363.2	363.1	-	309.0	309.5	299.9	299.8	-
572	Household appliance stores	79.0	79.7	79.0	78.9	-	67.2	68.1	66.4	66.1	-
573	Radio, television, and music stores	144.9	145.0	144.7	144.7	-	115.8	116.3	118.1	117.9	-
58	EATING AND DRINKING PLACES	4,888.1	4,852.8	4,924.5	4,925.7	-	4,509.8	4,476.3	4,540.4	4,537.7	-
59	MISCELLANEOUS RETAIL	1,926.5	1,916.4	1,967.7	1,958.2	-	1,676.1	1,668.9	1,714.8	1,702.0	-
591	Drug stores and proprietary stores	493.6	497.7	493.6	495.2	-	445.0	449.5	442.0	442.5	-
592	Liquor stores	135.6	136.0	135.2	134.5	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	601.0	598.4	629.2	630.2	-	510.8	509.4	539.4	538.6	-
596	Nonstore retailers	260.5	255.2	265.7	265.3	-	240.1	235.1	245.0	244.3	-
598	Fuel and ice dealers	101.0	100.5	102.2	101.4	-	83.7	83.5	84.8	83.9	-
599	Retail stores, nec.	272.5	266.0	279.0	268.5	-	228.3	222.7	235.6	225.5	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,353	5,376	5,342	5,410	5,426	4,053	4,071	3,998	4,063	4,076
60	BANKING	1,634.4	1,643.6	1,647.2	1,662.9	-	1,251.4	1,258.6	1,234.2	1,248.6	-
602	Commercial and stock savings banks	1,489.0	1,497.3	1,502.6	1,516.8	-	1,134.0	1,140.6	1,118.5	1,131.8	-
61	CREDIT AGENCIES OTHER THAN BANKS	587.0	587.8	584.3	587.4	-	446.6	447.0	441.3	443.8	-
612	Savings and loan associations	265.4	265.8	271.7	273.2	-	201.4	201.4	207.2	208.8	-
614	Personal credit institutions	204.8	204.2	194.5	194.4	-	158.4	158.0	149.0	148.6	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	261.4	266.0	277.6	279.5	-	-	-	-	-	-
621	Security brokers and dealers	214.4	218.6	231.1	233.0	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,238.1	1,240.4	1,226.1	1,229.7	-	858.4	859.0	838.9	840.4	-
631	Life insurance	543.5	542.8	540.3	541.5	-	339.9	338.1	333.4	333.3	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	143.3	143.1	141.3	142.2	-	113.8	113.3	111.5	112.8	-
633	Fire, marine, and casualty insurance	476.7	478.2	473.5	474.6	-	346.4	347.8	339.6	339.5	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	466.3	468.3	477.3	479.9	-	-	-	-	-	-
65	REAL ESTATE	1,025.8	1,027.5	982.1	1,016.3	-	-	-	-	-	-
651	Real estate operators and lessors	482.5	481.7	470.8	487.1	-	-	-	-	-	-
653	Real estate agents and managers	384.5	387.5	368.3	381.8	-	-	-	-	-	-
655	Subdividers and developers	138.0	137.8	125.3	129.4	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	19.6	19.5	19.3	19.5	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	120.4	122.4	128.4	134.8	-	-	-	-	-	-
-	SERVICES	18,711	18,771	19,039	19,164	19,219	16,659	16,712	16,917	17,027	17,047
70	HOTELS AND OTHER LODGING PLACES	1,177.8	1,230.6	1,117.6	1,167.1	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,129.9	1,149.9	1,080.8	1,120.6	-	1,036.2	1,055.1	992.4	1,029.2	-
72	PERSONAL SERVICES	904.2	897.0	914.3	915.5	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	354.9	352.2	351.6	352.5	-	317.2	315.2	313.5	314.5	-
723	Beauty shops	281.6	281.9	292.7	293.8	-	261.8	261.6	269.2	270.6	-
726	Funeral service and crematories	71.5	71.7	73.6	74.0	-	-	-	-	-	-
73	BUSINESS SERVICES	3,263.4	3,273.8	3,271.8	3,293.5	-	2,856.1	2,863.3	2,850.6	2,869.4	-
731	Advertising	156.9	156.5	159.1	159.8	-	120.5	120.5	122.6	123.3	-
732	Credit reporting and collection	76.1	75.8	74.9	75.8	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	127.3	127.4	130.5	131.5	-	-	-	-	-	-
734	Services to buildings	519.3	515.0	534.1	536.7	-	471.6	467.3	486.4	489.2	-
736	Personnel supply services	604.4	617.5	549.8	549.7	-	-	-	-	-	-
737	Computer and data processing services	332.0	336.9	353.5	355.9	-	277.1	281.5	288.3	291.3	-
75	AUTO REPAIR, SERVICES, AND GARAGES	572.5	573.2	583.0	583.3	-	487.1	488.5	493.9	493.8	-
753	Automotive repair shops	352.9	356.0	361.0	362.3	-	298.0	301.3	301.8	302.4	-
76	MISCELLANEOUS REPAIR SERVICES	293.8	295.8	297.5	296.7	-	246.3	248.3	251.3	251.2	-
78	MOTION PICTURES	218.5	217.7	206.9	223.4	-	189.5	189.5	176.9	192.4	-
781	Motion picture production and services	76.0	70.4	72.4	80.1	-	62.2	57.5	57.1	63.8	-
783	Motion picture theaters	131.3	136.2	123.8	132.7	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	856.1	875.7	876.5	943.4	-	781.7	799.8	795.4	860.2	-
80	HEALTH SERVICES	5,567.3	5,601.8	5,740.2	5,804.9	-	4,980.4	5,015.8	5,141.8	5,203.2	-
801	Offices of physicians	787.1	793.6	812.6	821.4	-	647.8	655.3	666.4	674.8	-
802	Offices of dentists	350.8	362.9	381.5	386.6	-	317.6	320.9	337.3	341.3	-
805	Nursing and personal care facilities	1,034.0	1,037.3	1,059.0	1,072.1	-	936.1	939.2	959.2	971.0	-
806	Hospitals	2,906.2	2,927.6	2,990.0	3,020.2	-	2,664.5	2,684.9	2,744.5	2,774.2	-
81	LEGAL SERVICES	543.0	547.3	555.5	577.4	-	465.6	471.2	469.6	488.9	-
82	EDUCATIONAL SERVICES	1,086.8	1,001.6	1,220.7	1,092.0	-	-	-	-	-	-
821	Elementary and secondary schools	307.5	271.6	324.0	312.0	-	-	-	-	-	-
822	Colleges and universities	662.2	616.1	773.8	658.5	-	-	-	-	-	-
83	SOCIAL SERVICES	1,152.9	1,166.6	1,182.8	1,172.9	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,533.5	1,538.0	1,549.2	1,538.2	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,049.7	1,060.9	1,055.0	1,067.0	-	879.7	888.7	863.3	875.2	-
891	Engineering and architectural services	580.9	584.7	571.0	579.6	-	497.7	500.3	468.8	477.0	-
893	Accounting, auditing, and bookkeeping	330.3	333.8	345.0	344.7	-	266.0	268.1	278.5	278.5	-
-	GOVERNMENT	16,168	15,334	16,160	15,956	15,214	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,825	2,833	2,733	2,786	2,806	-	-	-	-	-
-	Executive, by agency ⁴	2,769.1	2,776.7	2,679.1	2,730.0	-	-	-	-	-	-
-	Department of Defense	931.4	940.6	940.6	961.0	-	-	-	-	-	-
-	Postal Service	661.8	663.8	660.8	664.9	-	-	-	-	-	-
-	Other executive agencies	1,175.9	1,172.3	1,077.7	1,104.1	-	-	-	-	-	-
-	Legislative	40.4	40.9	38.6	40.5	-	-	-	-	-	-
-	Judicial	15.2	15.2	15.5	15.6	-	-	-	-	-	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	132.4	134.1	137.3	139.3	—	—	—	—	—	—
3731	Shipbuilding and repairing	78.1	78.5	81.8	82.3	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	42.1	42.6	43.1	43.9	—	—	—	—	—	—
—	Services	396.6	399.1	391.6	397.1	—	—	—	—	—	—
806	Federal government hospitals	230.7	233.0	232.5	235.9	—	—	—	—	—	—
—	STATE AND LOCAL GOVERNMENT	13,343	12,501	13,427	13,170	12,408	—	—	—	—	—
—	State government	3,521.4	3,436.0	3,639.1	3,487.2	—	—	—	—	—	—
806	State government hospitals	521.8	521.7	516.4	516.7	—	—	—	—	—	—
82	State education	1,278.6	1,183.7	1,446.0	1,262.2	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,059.0	1,066.9	1,050.5	1,069.8	—	—	—	—	—	—
—	Local government	9,821.9	9,064.6	9,787.9	9,682.5	—	—	—	—	—	—
—	Transportation and public utilities	579.5	583.1	580.5	582.2	—	—	—	—	—	—
806	Local government hospitals	628.7	631.8	642.1	648.3	—	—	—	—	—	—
82	Local education	5,297.5	4,352.3	5,476.9	5,246.8	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,940.2	3,088.3	2,780.2	2,887.0	—	—	—	—	—	—

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	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
-	TOTAL	39,048	39,174	39,154	39,233	39,366
-	PRIVATE SECTOR	31,009	31,165	31,268	31,356	31,499
-	MINING	116	120	140	141	140
10	METAL MINING	9.4	9.5	7.5	7.2	6.6
11, 12	COAL MINING	4.5	4.4	11.7	11.7	11.7
13	OIL AND GAS EXTRACTION	92.3	96.1	111.1	112.3	111.7
131, 2	Crude petroleum, natural gas, and natural gas liquids	59.8	60.9	69.3	69.2	69.4
138	Oil and gas field services	32.5	35.2	41.8	43.1	42.3
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.8	10.1	9.3	9.4	9.5
142	Crushed and broken stone	2.7	2.8	2.5	2.6	2.7
144	Sand and gravel	3.1	3.2	2.8	2.9	3.0
-	CONSTRUCTION	375	378	375	379	381
15	GENERAL BUILDING CONTRACTORS	127.9	127.3	119.9	120.3	120.7
152	Residential building construction	71.6	71.4	67.3	68.0	68.6
153	Operative builders	15.2	15.1	13.8	13.8	13.5
154	Nonresidential building construction	41.1	40.8	38.8	38.5	38.6
16	HEAVY CONSTRUCTION CONTRACTORS	60.4	62.9	60.3	63.3	63.6
161	Highway and street construction	16.5	18.1	13.7	14.3	14.3
162	Heavy construction, except highway	43.9	44.8	46.6	49.0	49.3
17	SPECIAL TRADE CONTRACTORS	186.9	188.2	194.4	195.7	196.5
171	Plumbing, heating, air conditioning	50.7	51.2	52.1	52.3	52.3
172	Painting, paper hanging, decorating	11.7	12.0	11.5	12.0	11.9
173	Electrical work	36.5	36.5	37.3	37.4	37.7
174	Masonry, stonework, and plastering	20.5	20.8	20.2	20.7	21.6
175	Carpentering and flooring	14.5	14.1	14.1	14.0	13.6
176	Roofing and sheet metal work	12.3	12.4	12.5	12.4	12.6
-	MANUFACTURING	6,304	6,342	6,084	6,039	6,040
24, 25, 32-39	DURABLE GOODS	3,034	3,050	2,916	2,894	2,886
20-23, 26-31	NONDURABLE GOODS	3,270	3,292	3,168	3,145	3,154
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	102.8	105.2	89.4	90.0	91.7
241	Logging camps and logging contractors	5.1	5.4	4.9	5.2	5.4
242	Sawmills and planing mills	19.7	20.2	17.0	17.1	17.3
2421	Sawmills and planing mills, general	13.9	14.2	12.0	12.0	12.2
243	Millwork, plywood, and structural members	41.5	42.5	33.9	34.3	35.4
244	Wood containers	6.8	7.2	6.6	6.8	6.9
245	Wood buildings and mobile homes	8.7	9.0	7.2	7.2	7.5
249	Miscellaneous wood products	21.0	20.9	19.8	19.4	19.2
25	FURNITURE AND FIXTURES	141.7	141.3	135.2	133.8	132.6
251	Household furniture	100.7	100.1	93.5	92.7	91.4
2511	Wood household furniture	41.9	41.9	39.0	39.0	38.7
2512	Upholstered household furniture	32.3	32.1	29.5	29.1	29.3
2515	Mattresses and bedsprings	8.5	8.6	7.8	7.9	8.0
252	Office furniture	13.7	13.8	13.9	13.6	13.8
253	Public building and related furniture	4.9	5.1	5.4	5.4	5.2
254	Partitions and fixtures	10.7	10.6	10.3	10.2	10.1
259	Miscellaneous furniture and fixtures	11.7	11.7	12.1	11.9	12.1
32	STONE, CLAY, AND GLASS PRODUCTS	124.0	125.2	118.0	116.2	116.3
322	Glass and glassware, pressed or blown	40.1	40.7	37.8	36.9	36.5
3221	Glass containers	22.5	23.1	21.6	21.5	21.6
3229	Pressed and blown glass, nec	17.6	17.6	16.2	15.4	14.9
323	Products of purchased glass	12.6	12.7	12.0	11.9	12.0
324	Cement, hydraulic	1.8	1.8	1.7	1.7	1.7
325	Structural clay products	6.1	6.2	5.6	5.5	5.7
326	Pottery and related products	14.5	14.6	13.9	13.6	13.7
327	Concrete, gypsum, and plaster products	15.0	15.2	14.4	14.3	14.5
329	Misc. nonmetallic mineral products	30.9	31.1	29.7	29.1	29.0
33	PRIMARY METAL INDUSTRIES	126.9	126.8	109.7	107.7	106.5
331	Blast furnace and basic steel products	41.8	42.2	34.2	32.6	31.9
3312	Blast furnaces and steel mills	31.4	31.8	24.9	23.5	22.7
332	Iron and steel foundries	18.6	18.5	16.7	16.4	15.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.7	8.7	7.4	7.1	6.9
3322	Malleable iron foundries	1.1	1.1	.9	1.0	.9
3325	Steel foundries, nec	4.7	4.7	4.3	4.2	4.0
333	Primary nonferrous metals	5.0	5.0	4.6	4.5	4.4
3334	Primary aluminum	2.3	2.3	1.9	1.9	1.9
335	Nonferrous rolling and drawing	40.1	39.8	34.5	34.5	34.8
3351	Copper rolling and drawing	3.5	3.5	3.0	3.0	3.0
3353	Aluminum sheet, plate, and foil	4.1	4.1	3.2	3.1	3.1
3357	Nonferrous wire drawing and insulating	24.6	24.2	21.2	21.3	21.5
336	Nonferrous foundries	15.7	15.6	14.3	14.1	14.0
3361	Aluminum foundries	8.2	8.2	7.4	7.3	7.3
34	FABRICATED METAL PRODUCTS	339.1	340.4	312.2	309.4	307.1
341	Metal cans and shipping containers	12.7	12.9	11.7	11.7	11.7
3411	Metal cans	10.8	11.0	9.9	9.9	9.9
342	Cutlery, hand tools, and hardware	55.6	55.2	47.9	47.4	46.4
3423, 5	Hand and edge tools, and hand saws and blades	15.4	15.5	14.5	14.2	13.4
3429	Hardware, nec	33.0	32.8	27.2	27.2	26.9
343	Plumbing and heating, except electric	16.9	16.8	16.7	16.6	16.6
344	Fabricated structural metal products	72.5	73.2	67.6	67.6	67.3
3441	Fabricated structural metal	7.8	7.8	7.5	7.5	7.3
3442	Metal doors, sash, and trim	20.3	21.0	18.7	19.0	19.5
3443	Fabricated plate work (boiler shops)	18.9	18.9	18.3	17.8	17.3
3444	Sheet metal work	15.6	15.6	14.5	14.8	14.5
345	Screw machine products, bolts, etc.	24.0	24.0	21.6	21.2	20.9
3451	Screw machine products	11.8	11.9	10.8	10.5	10.4
3452	Bolts, nuts, rivets, and washers	12.2	12.1	10.8	10.7	10.5
346	Metal forgings and stampings	54.1	54.8	46.4	46.4	46.3
3462	Iron and steel forgings	4.2	4.3	3.7	3.6	3.5
3465	Automotive stampings	14.5	15.1	11.2	12.0	12.6
3469	Metal stampings, nec	32.8	32.7	28.9	28.4	27.8
347	Metal services, nec	24.1	23.9	22.8	22.4	22.5
3471	Plating and polishing	17.3	17.2	16.7	16.5	16.6
3479	Metal coating and allied services	6.8	6.7	6.1	5.9	5.9
348	Ordnance and accessories, nec	19.7	19.6	20.0	19.9	20.0
349	Misc. fabricated metal products	59.5	60.0	57.5	56.2	55.4
3494	Valves and pipe fittings	23.1	23.1	22.4	21.9	21.3
3496	Misc. fabricated wire products	14.1	14.2	14.0	13.8	13.8
35	MACHINERY, EXCEPT ELECTRICAL	503.1	505.4	507.4	502.5	499.0
351	Engines and turbines	22.6	22.8	23.5	21.6	21.7
3511	Turbines and turbine generator sets	6.7	6.5	6.4	6.5	6.4
3519	Internal combustion engines, nec	15.9	16.3	17.1	15.1	15.3
352	Farm and garden machinery	26.4	25.0	23.1	24.8	24.2
3523	Farm machinery and equipment	19.8	19.4	15.8	16.9	16.7
353	Construction and related machinery	51.7	51.7	54.0	52.6	51.3
3531	Construction machinery	14.8	14.9	15.2	14.5	14.4
3533	Oil field machinery	16.6	16.7	19.8	19.5	18.7
354	Metalworking machinery	57.9	59.4	53.7	52.9	51.9
3541	Machine tools, metal cutting types	10.8	10.6	9.6	9.3	9.0
3544	Special dies, tools, jigs, and fixtures	15.7	16.7	14.9	14.9	14.8
3545	Machine tool accessories	13.6	14.0	12.9	12.5	12.2
355	Special industry machinery	30.0	29.7	28.5	27.9	27.6
3551	Food products machinery	5.9	5.8	5.5	5.4	5.4
3552	Textile machinery	5.2	5.1	4.9	4.6	4.5
3555	Printing trades machinery	6.7	6.6	6.9	6.9	7.0
356	General industrial machinery	64.3	64.1	60.5	59.3	58.5
3561	Pumps and pumping equipment	11.6	11.5	11.4	11.1	10.8
3562	Ball and roller bearings	14.5	14.3	12.8	12.7	12.4
357	Office and computing machines	163.0	164.2	180.4	180.4	181.4
3573	Electronic computing equipment	136.7	137.7	154.6	154.8	155.0
358	Refrigeration and service machinery	38.6	39.1	36.9	36.3	35.6
3585	Refrigeration and heating equipment	26.3	26.5	24.6	24.2	23.7
359	Misc. machinery, except electrical	48.6	49.4	46.8	46.7	46.8
3599	Machinery, except electrical, nec	38.0	38.8	37.8	37.5	37.5
36	ELECTRIC AND ELECTRONIC EQUIPMENT	893.7	895.5	868.9	866.3	866.2
361	Electric distributing equipment	46.4	46.6	43.9	43.5	42.5
3612	Transformers	19.2	19.2	18.4	18.1	17.8
3613	Switchgear and switchboard apparatus	27.2	27.4	25.5	25.4	24.7
362	Electrical industrial apparatus	92.7	92.7	84.1	82.0	82.3
3621	Motors and generators	51.9	51.8	45.1	44.0	43.9
3622	Industrial controls	28.9	29.0	27.9	27.3	27.7
363	Household appliances	60.2	60.7	50.9	52.2	52.3
3632	Household refrigerators and freezers	10.4	10.7	7.9	8.2	8.3
3633	Household laundry equipment	4.5	4.6	3.7	3.5	3.6
3634	Electric housewares and fans	28.2	27.9	25.0	25.3	25.4
364	Electric lighting and wiring equipment	93.4	92.4	87.2	86.5	84.9
3641	Electric lamps	20.6	19.6	20.6	20.4	20.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
ELECTRIC AND ELECTRONIC EQUIPMENT — Continued						
3643	Current-carrying wiring devices	40.3	40.7	38.0	37.8	36.8
365	Radio and TV receiving equipment	57.0	57.0	51.1	50.4	50.9
3651	Radio and TV receiving sets	42.1	42.1	38.0	37.8	37.7
366	Communication equipment	210.1	210.8	213.0	211.6	211.1
3661	Telephone and telegraph apparatus	76.4	76.1	71.3	70.4	69.7
3662	Radio and TV communication equipment	133.7	134.7	141.7	141.2	141.4
367	Electronic components and accessories	281.9	282.6	284.9	285.2	287.1
3671-3	Electronic tubes	16.6	16.6	15.6	15.7	16.0
3674	Semiconductors and related devices	104.0	102.7	103.5	103.7	105.5
3679	Electronic components, nec	114.4	115.6	119.2	119.4	119.5
369	Misc. electrical equipment and supplies	52.0	52.7	53.8	54.9	55.1
3694	Engine electrical equipment	22.3	22.9	23.9	24.8	24.8
TRANSPORTATION EQUIPMENT						
37	Motor vehicles and equipment	306.1	309.1	289.9	286.2	285.9
371	Motor vehicles and equipment	112.4	113.7	99.3	97.8	100.7
3711	Motor vehicles and car bodies	41.7	42.2	34.7	32.3	34.1
3713	Truck and bus bodies	4.3	3.9	3.3	3.3	3.4
3714	Motor vehicle parts and accessories	63.2	64.2	58.0	58.8	59.7
372	Aircraft and parts	122.9	123.6	121.4	119.4	117.5
3721	Aircraft	66.2	66.9	67.3	66.1	64.8
3724	Aircraft engines and engine parts	29.2	29.2	26.9	26.1	25.8
3728	Aircraft equipment, nec	27.5	27.5	27.2	27.2	26.9
373	Ship and boat building and repairing	23.8	24.0	23.2	23.1	23.5
3731	Ship building and repairing	17.6	17.7	17.1	17.0	17.3
374	Railroad equipment	6.0	6.0	4.5	4.2	4.1
376	Guided missiles, space vehicles, parts	26.9	27.1	28.9	29.0	29.2
3761	Guided missiles and space vehicles	21.8	22.0	23.5	23.6	23.9
379	Miscellaneous transportation equipment	7.2	7.8	6.8	7.1	7.1
INSTRUMENTS AND RELATED PRODUCTS						
38	Engineering and scientific instruments	307.8	309.2	303.3	303.1	303.2
381	Engineering and scientific instruments	24.4	24.5	24.3	24.2	24.2
382	Measuring and controlling devices	110.9	111.2	106.4	105.7	105.6
3822	Environmental controls	24.4	24.1	21.1	20.8	21.1
3823	Process control instruments	20.2	20.3	19.7	19.7	19.6
3825	Instruments to measure electricity	47.8	48.1	48.5	48.3	47.9
383	Optical instruments and lenses	11.3	11.4	11.4	11.6	11.8
384	Medical instruments and supplies	86.4	86.6	88.4	88.5	88.1
3841	Surgical and medical instruments	42.5	42.8	43.1	43.3	43.3
3842	Surgical appliances and supplies	35.8	35.7	37.4	37.4	37.0
385	Ophthalmic goods	24.7	24.9	22.1	22.1	22.3
386	Photographic equipment and supplies	38.4	39.1	39.9	40.2	40.5
387	Watches, clocks, and watchcases	11.7	11.5	10.8	10.8	10.7
MISCELLANEOUS MANUFACTURING INDUSTRIES						
39	Jewelry, silverware, and plated ware	189.0	191.6	181.6	178.9	177.9
391	Jewelry, silverware, and plated ware	25.8	25.8	25.5	25.4	25.3
393	Musical instruments	10.0	9.9	9.4	9.1	9.0
394	Toys and sporting goods	60.2	62.1	56.3	55.7	56.0
3942, 4	Dolls, games, toys, and children's vehicles	31.6	33.3	28.2	28.7	29.1
3949	Sporting and athletic goods, nec	28.6	28.8	28.1	27.0	26.9
395	Pens, pencils, office and art supplies	19.9	20.0	19.6	19.2	18.8
396	Costume jewelry and notions	26.5	26.8	24.0	23.0	23.3
399	Miscellaneous manufactures	46.6	47.0	46.8	46.5	45.5
NONDURABLE GOODS						
FOOD AND KINDRED PRODUCTS						
20	Meat products	473.3	479.8	469.8	459.7	469.5
201	Meat products	114.7	116.2	111.1	110.7	113.1
2011	Meat packing plants	27.9	27.9	26.9	26.6	27.1
2013	Sausages and other prepared meats	20.6	20.9	20.5	20.4	21.0
2016	Poultry dressing plants	59.0	59.9	57.2	57.2	58.3
202	Dairy products	36.7	36.9	35.2	35.5	36.2
2026	Fluid milk	16.7	16.9	15.8	15.9	16.1
203	Preserved fruits and vegetables	83.8	86.5	82.7	79.8	83.1
2032	Canned specialties	8.3	8.3	8.2	7.8	8.0
2033	Canned fruits and vegetables	23.5	24.6	21.7	20.8	22.1
2037	Frozen fruits and vegetables	20.2	21.2	20.6	18.8	20.6
204	Grain mill products	28.3	28.9	28.8	28.3	28.2
205	Bakery products	57.1	57.0	57.3	57.4	57.7
2051	Bread, cake, and related products	37.7	38.0	37.8	38.2	38.9
2052	Cookies and crackers	19.4	19.0	19.5	19.2	18.8
206	Sugar and confectionery products	38.5	38.5	41.0	37.3	37.7
207	Fats and oils	5.7	5.8	5.9	5.7	5.9
208	Beverages	41.4	41.1	42.5	43.1	43.5
2082	Malt beverages	7.4	7.5	8.1	8.2	8.5
2086	Bottled and canned soft drinks	18.6	18.5	19.4	19.6	19.7
209	Misc. foods and kindred products	67.1	68.9	65.3	61.9	64.1
TOBACCO MANUFACTURES						
21	Cigarettes	23.2	22.9	22.5	21.0	21.0
211	Cigarettes	14.9	14.6	14.1	13.9	13.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
22	TEXTILE MILL PRODUCTS	392.2	393.1	360.5	366.7	361.9
221	Weaving mills, cotton	61.6	61.3	56.4	57.0	55.5
222	Weaving mills, synthetics	46.5	46.4	41.2	42.8	39.6
223	Weaving and finishing mills, wool	7.4	7.4	7.0	6.9	6.7
224	Narrow fabric mills	14.3	14.3	13.6	13.8	13.6
225	Knitting mills	139.7	140.9	128.9	130.8	132.5
2251	Women's hosiery, except socks	24.5	24.6	24.2	23.1	23.9
2252	Hosiery, nec	23.4	23.8	22.7	22.1	22.1
2253	Knit outerwear mills	49.4	50.4	45.2	48.1	49.3
2254	Knit underwear mills	22.8	22.7	20.0	20.2	20.3
2257	Circular knit fabric mills	11.6	11.4	9.7	10.0	9.9
226	Textile finishing, except wool	21.5	21.2	20.5	20.3	20.5
2261	Finishing plants, cotton	9.5	9.2	9.6	9.3	9.8
2262	Finishing plants, synthetic	6.1	6.1	5.6	5.6	5.4
227	Floor covering mills	22.0	22.4	20.4	20.9	20.9
228	Yarn and thread mills	59.8	59.9	54.2	56.3	55.2
2281	Yarn mills, except wool	38.3	38.4	35.4	36.7	35.6
2282	Throwing and winding mills	11.7	11.7	10.5	10.5	10.4
229	Miscellaneous textile goods	19.4	19.3	18.3	17.9	17.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,008.2	1,014.7	958.5	942.8	944.1
231	Men's and boys' suits and coats	58.2	59.2	58.6	58.0	57.9
232	Men's and boys' furnishings	298.8	296.8	278.3	275.3	278.1
2321	Men's and boys' shirts and nightwear	84.5	84.7	80.2	80.8	80.7
2327	Men's and boys' separate trousers	60.3	60.6	58.2	57.0	57.7
2328	Men's and boys' work clothing	83.7	85.1	78.7	77.3	78.3
233	Women's and misses' outerwear	353.2	353.3	333.2	322.4	320.7
2331	Women's and misses' blouses and waists	56.2	56.0	52.7	52.2	52.7
2335	Women's and misses' dresses	123.4	120.7	117.9	115.2	110.5
2337	Women's and misses' suits and coats	46.9	51.1	42.6	38.4	43.0
2339	Women's and misses' outerwear, nec	126.7	125.5	120.0	116.6	114.5
234	Women's and children's undergarments	77.3	78.1	76.0	75.8	74.3
2341	Women's and children's underwear	62.6	63.1	61.9	62.0	61.5
2342	Brassieres and allied garments	14.7	15.0	14.1	13.8	12.8
236	Children's outerwear	54.2	54.8	52.7	51.7	53.0
2361	Children's dresses and blouses	23.3	23.6	23.2	22.4	23.1
238	Misc. apparel and accessories	43.8	43.6	40.5	40.6	39.9
239	Misc. fabricated textile products	110.8	112.3	103.7	103.7	104.2
2391	Curtains and draperies	20.4	21.0	18.8	18.4	18.8
2392	House furnishings, nec	29.8	30.1	29.2	29.8	29.5
2396	Automotive and apparel trimmings	15.9	16.8	13.0	13.0	13.7
26	PAPER AND ALLIED PRODUCTS	160.0	160.9	154.3	154.0	154.0
261, 2,6	Paper and pulp mills	27.4	27.8	26.6	26.8	26.8
262	Paper mills, except building paper	24.5	24.9	24.1	24.2	24.1
263	Paperboard mills	5.8	5.9	5.7	5.6	5.6
264	Misc. converted paper products	78.1	78.4	76.9	76.5	76.3
265	Paperboard containers and boxes	48.7	48.8	45.1	45.1	45.3
27	PRINTING AND PUBLISHING	504.1	503.6	519.5	518.3	517.6
271	Newspapers	157.8	159.2	164.9	164.6	165.2
272	Periodicals	55.8	55.6	59.6	59.3	59.0
273	Books	55.7	54.8	54.7	54.8	54.3
274	Miscellaneous publishing	27.2	26.8	27.5	27.5	27.2
275	Commercial printing	132.7	132.4	135.8	135.0	134.9
2751	Commercial printing, letterpress	52.3	52.3	52.3	51.9	51.7
2752	Commercial printing, lithographic	73.9	73.7	76.8	76.3	76.6
276	Manifold business forms	15.5	15.7	16.1	15.7	15.7
278	Blankbooks and bookbinding	33.8	33.3	34.2	34.0	33.8
279	Printing trade services	11.3	11.3	12.3	12.6	12.7
28	CHEMICALS AND ALLIED PRODUCTS	281.8	283.7	282.2	280.3	280.7
281	Industrial inorganic chemicals	23.9	24.1	24.1	24.1	24.1
2819	Industrial inorganic chemicals, nec	16.2	16.3	16.1	16.1	16.1
282	Plastics materials and synthetics	42.6	42.7	41.6	41.3	41.2
2821	Plastics materials and resins	11.2	11.3	11.3	11.1	11.0
2824	Organic fibers, noncellulosic	22.0	21.9	22.0	21.9	21.8
283	Drugs	84.7	85.5	86.0	85.7	86.2
2834	Pharmaceutical preparations	71.4	71.8	72.4	72.1	72.1
284	Soap, cleaners, and toilet goods	59.0	59.2	58.4	57.3	57.2
2841	Soap and other detergents	9.8	9.9	9.8	9.6	9.5
2844	Toilet preparations	36.6	36.7	36.3	35.7	35.6
285	Paints and allied products	12.2	12.3	11.5	11.5	11.7
286	Industrial organic chemicals	27.2	27.3	28.5	28.2	28.0
2861,9	Gum, wood, and industrial organic chemicals, nec	22.5	22.6	23.9	23.7	23.5
287	Agricultural chemicals	10.7	10.9	10.9	10.9	10.9
289	Miscellaneous chemical products	21.5	21.7	21.2	21.3	21.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
29	PETROLEUM AND COAL PRODUCTS	30.2	30.8	31.6	31.6	32.1
291	Petroleum refining	25.1	25.6	26.6	26.7	26.9
30	RUBBER AND MISC. PLASTICS PRODUCTS	258.1	260.9	243.3	244.1	245.6
301	Tires and inner tubes	10.3	10.3	8.9	9.3	9.2
302	Rubber and plastics footwear	13.9	13.8	12.9	12.9	12.9
303.4	Reclaimed rubber, and rubber and plastics hose and belting	6.0	6.1	4.9	5.1	5.2
306	Fabricated rubber products, nec	36.0	36.6	33.3	33.5	33.3
307	Miscellaneous plastics products	191.9	194.1	183.3	183.3	185.0
31	LEATHER AND LEATHER PRODUCTS	138.5	141.1	125.9	126.9	127.5
311	Leather tanning and finishing	3.0	2.9	2.8	2.8	2.8
314	Footwear, except rubber	93.9	95.9	85.4	85.9	85.9
314.3	Men's footwear, except athletic	35.9	36.2	32.8	32.2	31.1
314.4	Women's footwear, except athletic	35.5	37.1	31.4	32.6	33.7
316	Luggage	8.1	8.1	7.4	7.3	7.4
317	Handbags and personal leather goods	20.4	20.8	17.9	18.1	18.4
—	TRANSPORTATION AND PUBLIC UTILITIES	1,324	1,332	1,335	1,335	1,347
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	71.5	73.1	81.5	78.1	85.0
411	Local and suburban transportation	15.0	15.2	16.5	16.7	16.9
412	Taxicabs	6.8	6.7	6.8	6.7	6.8
413	Intercity highway transportation	4.8	4.8	4.7	4.7	4.8
415	School buses	41.7	43.2	50.2	46.6	52.7
42	TRUCKING AND WAREHOUSING	150.8	151.9	152.7	151.7	152.2
421.3	Trucking and trucking terminals	135.6	136.6	135.5	135.1	135.7
422	Public warehousing	15.2	15.3	17.2	16.6	16.5
44	WATER TRANSPORTATION	22.7	23.1	24.8	25.0	25.4
45	TRANSPORTATION BY AIR	148.6	149.7	143.3	144.4	146.6
451.2	Air transportation	140.0	141.0	133.9	134.9	137.0
46	PIPE LINES, EXCEPT NATURAL GAS	3.0	3.1	3.4	3.3	3.3
47	TRANSPORTATION SERVICES	97.3	97.6	111.0	112.2	113.6
48	COMMUNICATION	642.6	645.3	626.5	627.8	628.7
481	Telephone communication	550.8	552.3	525.0	525.4	524.7
483	Radio and television broadcasting	66.3	66.8	71.3	71.5	73.0
49	ELECTRIC, GAS, AND SANITARY SERVICES	159.9	161.1	168.2	168.8	168.6
491	Electric services	75.4	75.8	79.6	79.8	80.2
492	Gas production and distribution	37.5	38.0	39.4	39.6	39.8
493	Combination utility services	36.1	36.2	37.1	37.3	36.7
495	Sanitary services	6.0	6.0	6.7	6.7	6.5
—	WHOLESALE AND RETAIL TRADE	8,827	8,903	8,931	9,000	9,106
50,51	WHOLESALE TRADE	1,381	1,387	1,403	1,401	1,406
50	WHOLESALE TRADE-DURABLE GOODS	767	771	781	780	778
501	Motor vehicles and automotive equipment	87.3	87.5	89.7	90.7	90.8
502	Furniture and home furnishings	43.5	44.0	46.3	45.8	45.5
503	Lumber and construction materials	35.9	36.3	37.0	36.5	36.5
504	Sporting goods, toys, and hobby goods	23.9	24.2	24.0	24.1	23.9
505	Metals and minerals, except petroleum	29.4	29.3	28.9	28.2	27.9
506	Electrical goods	125.6	126.3	129.3	129.3	128.3
507	Hardware, plumbing, and heating equipment	65.6	65.8	65.2	64.7	64.5
508	Machinery, equipment, and supplies	307.3	308.9	314.4	314.8	314.5
509	Miscellaneous durable goods	48.4	48.3	46.4	46.2	46.0
51	WHOLESALE TRADE-NONDURABLE GOODS	614	616	622	621	628
511	Paper and paper products	48.6	48.7	49.9	50.2	50.4
512	Drugs, proprietaries, and sundries	65.3	65.4	66.7	67.1	67.1
513	Apparel, piece goods, and notions	81.8	82.5	82.5	83.8	83.3
514	Groceries and related products	153.5	155.3	147.7	149.1	156.8
516	Chemicals and allied products	35.9	35.4	37.6	37.7	37.6
517	Petroleum and petroleum products	54.2	54.0	55.4	55.3	55.7
518	Beer, wine, and distilled beverages	22.0	22.0	21.9	21.9	21.9
519	Miscellaneous nondurable goods	118.2	118.7	123.1	122.8	123.0

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
52-59	RETAIL TRADE	7,446	7,516	7,528	7,599	7,700
52	BUILDING MATERIALS AND GARDEN SUPPLIES	165.4	166.8	154.5	157.9	160.7
521	Lumber and other building materials	64.2	55.3	61.3	61.9	63.3
525	Hardware stores	54.8	55.7	54.0	54.5	54.9
53	GENERAL MERCHANDISE STORES	1,404.8	1,400.5	1,449.3	1,456.1	1,467.6
531	Department stores	1,148.2	1,141.0	1,197.7	1,200.8	1,210.0
533	Variety stores	178.5	179.5	167.7	170.2	171.3
539	Misc. general merchandise stores	78.1	80.0	83.9	85.1	86.3
54	FOOD STORES	1,030.5	1,035.8	1,051.1	1,054.5	1,067.1
541	Grocery stores	861.1	866.2	883.7	884.7	893.7
542	Meat markets and freezer provisioners	17.4	16.9	15.9	16.8	17.2
546	Retail bakeries	80.3	81.6	81.6	80.9	82.4
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	300.3	304.4	308.3	310.2	312.7
551,2	New and used car dealers	111.3	111.7	107.1	107.8	108.4
553	Auto and home supply stores	47.5	48.1	48.8	49.7	50.4
554	Gasoline service stations	125.8	128.8	137.1	137.5	138.6
56	APPAREL AND ACCESSORY STORES	666.7	663.0	656.3	662.4	664.6
561	Men's and boys' clothing and furnishings	56.0	55.8	54.6	55.3	55.6
562	Women's ready-to-wear stores	311.5	311.3	304.2	304.6	308.8
565	Family clothing stores	131.8	132.4	132.8	132.7	132.2
566	Shoe stores	88.5	84.7	84.0	89.6	88.3
57	FURNITURE AND HOME FURNISHING STORES	202.7	203.1	204.4	203.4	203.7
571	Furniture and home furnishings stores	134.9	135.7	134.4	134.8	135.0
572	Household appliance stores	22.0	21.6	23.4	22.9	22.4
573	Radio, television, and music stores	45.8	45.8	46.6	45.7	46.3
58	EATING AND DRINKING PLACES	2,636.3	2,692.7	2,630.8	2,678.7	2,741.6
59	MISCELLANEOUS RETAIL	1,038.8	1,049.3	1,072.8	1,075.7	1,082.4
591	Drug stores and proprietary stores	308.4	309.4	314.8	314.2	313.0
592	Liquor stores	33.8	35.1	36.3	35.9	36.1
594	Miscellaneous shopping goods stores	358.2	353.8	377.5	379.9	384.3
596	Nonstore retailers	157.9	156.3	166.8	165.0	163.4
598	Fuel and ice dealers	23.4	23.1	24.8	24.4	24.3
599	Retail stores, nec	135.7	140.4	131.8	135.5	140.1
-	FINANCE, INSURANCE, AND REAL ESTATE	3,137	3,147	3,187	3,188	3,196
60	BANKING	1,148.8	1,152.3	1,165.7	1,166.5	1,168.4
602	Commercial and stock savings banks	1,056.7	1,059.7	1,072.0	1,072.6	1,074.5
61	CREDIT AGENCIES OTHER THAN BANKS	400.6	400.7	406.7	406.2	407.0
612	Savings and loan associations	196.6	196.6	203.0	203.4	204.1
614	Personal credit institutions	132.1	132.1	129.3	128.5	128.4
62	SECURITY, COMMODITY BROKERS, AND SERVICES	106.7	107.6	120.5	120.7	121.5
621	Security brokers and dealers	86.9	87.8	100.3	100.4	100.9
63	INSURANCE CARRIERS	751.3	753.8	747.6	746.6	745.5
631	Life insurance	300.4	303.4	301.5	301.0	301.2
632	Medical service and health insurance	103.4	103.3	102.1	101.8	102.0
633	Fire, marine, and casualty insurance	297.3	296.8	296.8	296.3	295.1
64	INSURANCE AGENTS, BROKERS, AND SERVICE	291.8	290.0	299.7	300.1	302.3
65	REAL ESTATE	363.2	367.8	368.4	368.2	370.9
651	Real estate operators and lessors	145.0	146.6	151.3	153.9	154.2
653	Real estate agents and managers	169.7	171.6	170.4	167.9	170.2
655	Subdividers and developers	34.2	35.3	34.0	33.9	34.0
66	COMBINED REAL ESTATE, INSURANCE, ETC	11.9	11.8	11.8	11.8	11.7
67	HOLDING AND OTHER INVESTMENT OFFICES	62.9	63.4	66.5	67.7	68.4
-	SERVICES	10,926	10,943	11,216	11,274	11,289
70	HOTELS AND OTHER LODGING PLACES	597.7	612.5	576.6	593.6	607.6
701	Hotels, motels, and tourist courts	579.1	592.8	559.9	576.6	588.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982	May 1982
72	PERSONAL SERVICES	654.1	623.1	654.7	657.1	634.6
721	Laundry, cleaning, and garment services	224.0	225.1	219.4	220.1	222.5
723	Beauty shops	250.5	251.1	260.5	263.8	263.1
726	Funeral service and crematories	18.6	18.8	20.3	20.4	20.6
73	BUSINESS SERVICES	1,393.7	1,404.8	1,433.4	1,424.8	1,426.0
731	Advertising	73.6	74.1	77.2	77.5	78.3
732	Credit reporting and collection	53.4	54.4	52.7	53.1	53.6
733	Mailing, reproduction, stenographic	61.8	61.9	65.0	66.2	64.7
734	Services to buildings	190.6	195.7	203.9	202.5	204.9
736	Personnel supply services	363.1	366.4	358.8	349.8	345.5
737	Computer and data processing services	155.0	152.6	169.7	170.6	169.6
75	AUTO REPAIR, SERVICES, AND GARAGES	96.3	96.0	97.1	98.1	99.0
753	Automotive repair shops	43.5	43.5	46.6	48.3	48.4
76	MISCELLANEOUS REPAIR SERVICES	57.8	58.2	59.4	59.1	58.7
78	MOTION PICTURES	83.9	85.5	79.7	81.7	81.7
781	Motion picture production and services	25.6	25.4	27.1	25.8	24.7
783	Motion picture theaters	52.1	53.8	46.3	49.7	50.8
79	AMUSEMENT AND RECREATION SERVICES	289.4	313.6	302.2	325.7	345.3
80	HEALTH SERVICES	4,460.3	4,474.4	4,646.6	4,661.9	4,674.2
801	Offices of physicians	603.2	604.9	628.5	636.0	636.3
802	Offices of dentists	305.3	307.0	323.2	324.7	326.1
805	Nursing and personal care facilities	901.8	907.6	929.9	932.2	938.7
806	Hospitals	2,314.2	2,318.9	2,413.2	2,414.0	2,415.3
81	LEGAL SERVICES	370.3	370.1	389.6	390.0	392.5
82	EDUCATIONAL SERVICES	657.2	638.5	678.5	676.6	661.4
821	Elementary and secondary schools	211.1	211.0	204.3	204.7	207.1
822	Colleges and universities	378.2	359.8	404.6	401.6	384.0
83	SOCIAL SERVICES	865.0	864.9	876.0	879.4	885.2
89	MISCELLANEOUS SERVICES	348.6	342.7	370.0	367.6	358.0
891	Engineering and architectural services	122.7	123.9	126.8	127.1	127.5
893	Accounting, auditing, and bookkeeping	164.0	157.6	180.3	178.4	169.2
	GOVERNMENT	8,039	8,009	7,886	7,877	7,867
	FEDERAL GOVERNMENT	878	881	874	878	880
	STATE AND LOCAL GOVERNMENT	7,161	7,128	7,012	6,999	6,987
	State government	1,706.2	1,685.5	1,682.9	1,677.3	1,644.9
	Hospitals	327.0	325.7	323.2	322.1	320.4
	State education	720.8	699.2	704.3	702.9	677.0
	General administration including executive, legislative, and judicial functions	439.6	440.8	441.4	440.2	435.4
	Local government	5,454.8	5,442.7	5,329.4	5,321.3	5,342.4
	Transportation and public utilities	92.0	92.8	96.2	96.5	96.6
	Hospitals	504.2	505.3	523.2	523.5	523.9
	Local education	3,656.4	3,647.4	3,570.6	3,557.8	3,574.1
	General administration including executive, legislative, and judicial functions	979.0	974.9	950.8	953.7	957.9

**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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June p	July p
TOTAL	91,396	91,322	91,363	91,224	90,996	90,642	90,460	90,459	90,304	90,083	90,166	89,860	89,843
GOODS-PRODUCING	25,718	25,637	25,583	25,393	25,176	24,908	24,684	24,631	24,450	24,289	24,255	23,992	23,878
MINING	1,164	1,180	1,192	1,195	1,202	1,206	1,201	1,203	1,197	1,182	1,152	1,121	1,107
CONSTRUCTION	4,175	4,146	4,124	4,101	4,071	4,026	3,966	3,974	3,934	3,938	3,988	3,942	3,932
MANUFACTURING	20,379	20,311	20,267	20,097	19,933	19,676	19,517	19,454	19,319	19,169	19,115	18,929	18,839
DURABLE GOODS	12,266	12,228	12,184	12,059	11,901	11,724	11,622	11,575	11,490	11,375	11,332	11,205	11,157
Lumber and wood products	683	671	661	643	628	615	607	611	607	615	617	616	617
Furniture and fixtures	476	475	473	469	462	457	452	449	446	443	443	444	445
Stone, clay, and glass products	644	643	638	629	620	610	596	596	590	584	586	580	576
Primary metal industries	1,132	1,134	1,125	1,104	1,082	1,053	1,038	1,024	1,007	976	945	926	923
Fabricated metal products	1,617	1,610	1,604	1,577	1,553	1,529	1,515	1,505	1,496	1,481	1,472	1,454	1,448
Machinery, except electrical	2,527	2,532	2,539	2,532	2,511	2,486	2,459	2,446	2,419	2,389	2,377	2,317	2,274
Electric and electronic equipment	2,112	2,116	2,113	2,101	2,077	2,049	2,055	2,048	2,038	2,034	2,034	2,027	2,025
Transportation equipment	1,925	1,901	1,884	1,861	1,830	1,791	1,777	1,778	1,774	1,748	1,755	1,746	1,756
Instruments and related products	731	734	734	731	727	725	720	718	716	713	713	709	706
Miscellaneous manufacturing ind.	419	412	413	412	411	409	403	400	397	392	390	386	387
NONDURABLE GOODS	8,113	8,083	8,083	8,038	8,002	7,952	7,895	7,879	7,829	7,794	7,783	7,724	7,682
Food and kindred products	1,678	1,659	1,658	1,662	1,664	1,661	1,657	1,663	1,658	1,643	1,652	1,638	1,621
Tobacco manufactures	70	70	69	69	69	68	69	68	68	67	67	67	65
Textile mill products	835	829	827	814	804	794	780	777	760	773	759	739	744
Apparel and other textile products	1,255	1,253	1,253	1,243	1,235	1,222	1,201	1,201	1,186	1,165	1,165	1,162	1,150
Paper and allied products	691	691	695	685	681	677	674	670	668	664	661	658	655
Printing and publishing	1,268	1,271	1,274	1,276	1,276	1,276	1,275	1,276	1,278	1,274	1,274	1,268	1,263
Chemicals and allied products	1,110	1,107	1,110	1,107	1,103	1,100	1,095	1,093	1,088	1,082	1,079	1,072	1,069
Petroleum and coal products	217	216	216	215	215	214	210	208	207	206	207	205	204
Rubber and misc. plastic products	750	752	746	734	725	716	712	708	703	706	708	705	705
Leather and leather products	239	235	235	233	230	224	222	215	213	214	211	210	206
SERVICE-PRODUCING	65,678	65,685	65,780	65,831	65,820	65,734	65,776	65,828	65,854	65,794	65,911	65,868	65,965
TRANSPORTATION AND PUBLIC UTILITIES	5,168	5,168	5,181	5,162	5,150	5,128	5,125	5,115	5,100	5,094	5,101	5,081	5,058
WHOLESALE AND RETAIL TRADE	20,620	20,650	20,660	20,654	20,623	20,524	20,630	20,670	20,655	20,584	20,652	20,602	20,629
WHOLESALE TRADE	5,375	5,387	5,383	5,380	5,375	5,357	5,346	5,343	5,336	5,323	5,331	5,307	5,298
RETAIL TRADE	15,245	15,263	15,277	15,274	15,248	15,167	15,284	15,327	15,319	15,261	15,321	15,295	15,331
FINANCE, INSURANCE, AND REAL ESTATE	5,311	5,319	5,328	5,325	5,324	5,331	5,326	5,326	5,336	5,335	5,342	5,356	5,362
SERVICES	18,615	18,654	18,707	18,773	18,815	18,834	18,831	18,867	18,904	18,929	18,963	19,012	19,066
GOVERNMENT	15,964	15,894	15,904	15,917	15,908	15,917	15,864	15,850	15,859	15,852	15,853	15,817	15,850
FEDERAL	2,775	2,769	2,764	2,757	2,749	2,756	2,741	2,737	2,736	2,730	2,728	2,739	2,748
STATE AND LOCAL	13,189	13,125	13,140	13,160	13,159	13,161	13,123	13,113	13,123	13,122	13,125	13,078	13,102

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
TOTAL	38,971	39,039	39,181	39,199	39,187	39,198	39,139	39,098	39,089	39,147	39,150	39,093	39,181
GOODS-PRODUCING	6,871	6,890	6,938	6,927	6,909	6,871	6,814	6,759	6,712	6,692	6,650	6,601	6,593
MINING	121	128	131	133	135	137	138	141	140	141	142	143	141
CONSTRUCTION	380	381	383	383	382	381	381	381	384	382	382	384	383
MANUFACTURING	6,370	6,381	6,424	6,411	6,392	6,353	6,295	6,237	6,188	6,169	6,126	6,074	6,069
DURABLE GOODS	3,055	3,066	3,087	3,087	3,074	3,050	3,008	2,972	2,957	2,942	2,922	2,894	2,891
Lumber and wood products	105	104	104	103	100	98	95	94	93	92	91	91	91
Furnitures and fixtures	142	143	145	144	142	142	139	137	136	135	135	133	133
Stone, clay, and glass products	126	127	127	128	126	126	123	122	120	120	119	117	117
Primary metal industries	127	127	126	126	125	122	119	116	113	112	110	107	107
Fabricated metal products	341	342	344	342	340	333	326	320	317	315	313	309	308
Machinery, except electrical	506	512	514	519	520	520	517	511	507	505	503	500	499
Electric and electronic equipment	898	899	904	905	905	898	884	874	880	876	870	867	869
Transportation equipment	309	312	314	314	312	308	304	298	296	295	293	287	286
Instruments and related products	309	308	311	313	312	311	310	309	307	306	304	303	303
Miscellaneous manufacturing ind.	192	192	198	193	192	192	191	191	188	186	184	180	178
NONDURABLE GOODS	3,315	3,315	3,337	3,324	3,318	3,303	3,287	3,265	3,231	3,227	3,204	3,180	3,178
Food and kindred products	506	500	503	497	492	499	501	500	496	499	499	491	495
Tobacco manufactures	26	26	26	26	25	25	25	25	25	24	24	24	24
Textile mill products	393	394	398	394	394	388	383	378	370	368	362	367	362
Apparel and other textile products	1,007	1,010	1,014	1,012	1,012	1,004	998	988	971	971	958	939	938
Paper and allied products	161	160	162	162	163	160	158	158	157	157	156	155	154
Printing and publishing	505	505	508	510	512	513	513	515	516	518	518	518	519
Chemicals and allied products	284	285	285	284	285	285	285	285	284	284	283	282	281
Petroleum and coal products	31	31	31	31	32	32	32	32	32	33	33	32	32
Rubber and misc. plastics products	262	264	267	267	263	258	254	250	247	245	244	245	247
Leather and leather products	140	140	143	141	140	139	138	134	133	128	127	127	126
SERVICE-PRODUCING	32,100	32,149	32,243	32,272	32,278	32,327	32,325	32,339	32,377	32,455	32,500	32,492	32,588
TRANSPORTATION AND PUBLIC UTILITIES	1,333	1,339	1,342	1,348	1,355	1,355	1,351	1,358	1,338	1,339	1,339	1,342	1,348
WHOLESALE AND RETAIL TRADE	8,951	8,984	9,021	9,043	9,057	9,066	9,049	9,022	9,084	9,129	9,130	9,118	9,156
WHOLESALE TRADE	1,392	1,393	1,396	1,403	1,406	1,407	1,412	1,408	1,405	1,408	1,409	1,411	1,410
RETAIL TRADE	7,559	7,591	7,625	7,640	7,651	7,659	7,637	7,614	7,679	7,721	7,721	7,707	7,746
FINANCE, INSURANCE, AND REAL ESTATE	3,154	3,159	3,169	3,172	3,182	3,183	3,186	3,189	3,185	3,185	3,190	3,194	3,202
SERVICES	10,903	10,927	10,972	10,989	11,028	11,086	11,113	11,135	11,151	11,192	11,216	11,229	11,255
GOVERNMENT	7,759	7,740	7,739	7,720	7,656	7,637	7,626	7,635	7,619	7,610	7,625	7,609	7,627
FEDERAL	876	875	878	879	880	876	874	881	877	875	876	873	876
STATE AND LOCAL	6,883	6,865	6,861	6,841	6,776	6,761	6,752	6,754	6,742	6,735	6,749	6,736	6,751

**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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June-P	July P
TOTAL PRIVATE	61,193	61,168	61,180	61,017	60,775	60,401	60,248	60,282	60,132	59,923	60,025	59,799	59,762
GOODS-PRODUCING	18,313	18,224	18,164	17,972	17,754	17,478	17,251	17,225	17,073	16,922	16,917	16,702	16,634
MINING	856	869	876	877	882	883	875	876	871	863	835	801	790
CONSTRUCTION	3,245	3,219	3,201	3,180	3,155	3,107	3,035	3,059	3,023	3,017	3,074	3,033	3,026
MANUFACTURING	14,212	14,136	14,087	13,915	13,717	13,488	13,341	13,290	13,179	13,042	13,008	12,868	12,818
DURABLE GOODS	8,439	8,389	8,345	8,218	8,061	7,885	7,793	7,759	7,685	7,576	7,553	7,458	7,437
Lumber and wood products	570	558	549	531	516	503	497	502	497	507	507	507	509
Furniture and fixtures	385	383	381	376	369	364	359	356	353	350	350	351	353
Stone, clay, and glass products	496	496	492	484	475	465	452	452	446	441	444	439	435
Primary metal industries	872	871	865	843	821	795	780	770	756	727	702	687	685
Fabricated metal products	1,196	1,188	1,182	1,156	1,133	1,110	1,096	1,089	1,081	1,069	1,063	1,049	1,047
Machinery, except electrical	1,601	1,607	1,606	1,598	1,576	1,552	1,526	1,514	1,490	1,460	1,454	1,407	1,371
Electric and electronic equipment	1,331	1,331	1,327	1,314	1,285	1,257	1,266	1,258	1,248	1,241	1,240	1,236	1,237
Transportation equipment	1,244	1,219	1,206	1,184	1,159	1,115	1,102	1,108	1,109	1,086	1,098	1,092	1,109
Instruments and related products	432	431	431	428	424	423	420	418	415	411	412	409	409
Miscellaneous manufacturing ind.	312	305	306	304	303	301	295	292	290	284	283	281	282
NONDURABLE GOODS	5,773	5,747	5,742	5,697	5,656	5,603	5,548	5,531	5,494	5,466	5,455	5,410	5,381
Food and kindred products	1,154	1,139	1,137	1,142	1,144	1,140	1,135	1,142	1,138	1,125	1,133	1,122	1,108
Tobacco manufactures	55	55	54	54	54	53	54	53	53	52	52	52	50
Textile mill products	724	718	717	704	693	683	670	667	651	662	650	632	637
Apparel and other textile products	1,065	1,066	1,066	1,056	1,049	1,036	1,018	1,018	1,006	987	985	983	971
Paper and allied products	521	520	525	515	511	506	504	501	499	496	493	489	489
Printing and publishing	698	699	701	702	700	700	699	699	701	698	699	695	692
Chemicals and allied products	630	630	629	625	621	616	612	609	609	602	600	595	595
Petroleum and coal products	136	134	134	133	132	131	125	124	124	123	123	122	121
Rubber and misc. plastics products	584	586	580	568	557	548	544	538	534	541	543	544	546
Leather and leather products	202	200	199	198	195	190	187	180	179	180	177	176	172
SERVICE-PRODUCING	42,880	42,944	43,016	43,045	43,021	42,923	42,997	43,057	43,059	43,001	43,108	43,097	43,128
TRANSPORTATION AND PUBLIC UTILITIES	4,285	4,285	4,295	4,275	4,261	4,241	4,241	4,232	4,217	4,209	4,212	4,194	4,177
WHOLESALE AND RETAIL TRADE	18,026	18,049	18,059	18,053	18,016	17,920	18,011	18,061	18,051	17,996	18,065	18,013	18,040
WHOLESALE TRADE	4,376	4,381	4,376	4,373	4,367	4,348	4,332	4,327	4,317	4,301	4,309	4,284	4,280
RETAIL TRADE	13,650	13,668	13,683	13,680	13,649	13,572	13,679	13,734	13,734	13,695	13,756	13,729	13,760
FINANCE, INSURANCE, AND REAL ESTATE	4,010	4,018	4,023	4,019	4,013	4,014	4,007	4,003	4,004	3,999	3,998	4,015	4,016
SERVICES	16,559	16,592	16,639	16,698	16,731	16,748	16,738	16,761	16,787	16,797	16,833	16,875	16,895

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	27.7
December.....	31.2	23.4	24.2	26.3p
1982				
January.....	32.5	28.0	21.8	21.5p
February.....	42.5	31.2	27.4	
March.....	35.8	33.6	28.8p	
April.....	40.9	37.1	32.5p	
May.....	51.1	35.8p		
June.....	33.9p	36.6p		
July.....	44.1p			
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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
1 ALABAMA	1,351.1	1,334.7	1,333.5	16.6	16.4	16.6	67.5	64.0	63.7	367.8	344.5	343.3
2 Birmingham	342.0	340.4	337.1	8.7	8.7	8.6	19.8	18.7	18.9	60.1	55.2	54.2
3 Huntsville	122.1	125.3	123.8	(1)	(1)	(1)	4.0	3.9	4.0	36.7	37.5	36.7
4 Mobile	156.1	149.2	150.1	(1)	(1)	(1)	12.0	9.2	9.3	31.8	29.1	29.0
5 Montgomery	107.3	104.9	104.7	(1)	(1)	(1)	6.1	5.5	5.6	17.0	15.2	15.3
6 Tuscaloosa	50.1	50.4	48.8	2.5	2.7	2.7	2.6	1.9	1.9	8.2	7.8	7.7
7 ALASKA	184.7	185.4	192.1	8.2	8.0	8.6	12.9	14.0	16.1	15.3	10.4	12.2
8 ARIZONA	1,029.7	1,040.1	1,016.7	25.6	18.7	15.7	72.6	62.4	61.8	161.2	153.1	153.2
9 Phoenix	648.8	659.3	646.4	.4	.4	.4	49.5	42.5	41.8	117.8	111.2	111.3
10 Tucson	186.2	191.5	188.1	7.9	5.2	4.9	13.2	11.3	11.5	23.9	25.4	25.5
11 ARKANSAS	740.4	728.7	719.0	6.0	6.1	6.1	36.1	30.5	31.5	214.4	197.2	196.7
12 Fayetteville—Springdale	65.1	65.7	63.6	(1)	(1)	(1)	2.7	2.6	2.6	20.7	18.9	18.5
13 Fort Smith	76.8	65.3	64.5	1.1	1.2	1.3	2.8	2.2	2.3	24.2	20.0	20.0
14 Little Rock—North Little Rock	175.6	178.0	178.4	(1)	(1)	(1)	9.1	9.2	9.5	29.6	26.9	27.2
15 Pine Bluff	31.3	30.9	30.5	(1)	(1)	(1)	2.2	1.8	1.9	6.4	5.5	5.7
16 CALIFORNIA	10,112.0	10,026.9	10,042.9	49.2	48.6	48.3	440.8	379.1	379.7	2,033.1	1,936.9	1,933.2
17 Anaheim—Santa Ana—Garden Grove	875.8	867.9	869.7	2.7	3.0	3.0	51.0	43.7	43.6	225.1	219.1	218.4
18 Bakersfield	136.7	135.5	136.5	14.4	14.2	14.2	7.3	6.1	6.2	10.1	9.8	9.8
19 Fresno	184.5	183.1	182.0	1.0	1.1	1.1	10.2	9.4	9.2	22.8	21.9	21.7
20 Los Angeles—Long Beach	3,679.1	3,610.0	3,613.1	14.4	14.3	14.4	124.1	104.3	106.6	927.0	869.7	868.0
21 Modesto	87.7	87.6	87.6	.1	.1	.1	5.5	4.8	5.1	18.2	18.3	18.5
22 Oxnard—Simi Valley—Ventura	159.8	162.6	162.5	2.9	3.0	3.0	7.3	6.6	6.6	25.0	25.9	25.8
23 Riverside—San Bernardino—Ontario	438.7	440.7	437.8	2.2	1.8	1.7	24.0	21.4	21.7	62.4	60.9	60.5
24 Sacramento	410.0	407.2	406.5	.7	.7	.7	19.0	16.7	17.2	27.0	26.6	26.9
25 Salinas—Seaside—Monterey	51.6	91.1	92.5	.4	.4	.4	3.4	3.4	3.4	9.2	9.5	9.9
26 San Diego	670.4	662.4	659.9	.6	.6	.6	35.4	30.8	30.5	109.4	106.8	105.8
27 San Francisco—Oakland	1,591.9	1,580.0	1,586.5	4.0	4.4	4.4	76.9	72.5	73.9	201.5	192.4	192.5
28 San Jose	656.5	700.5	703.3	.1	.1	.1	25.2	22.2	22.5	246.8	249.9	250.8
29 Santa Barbara—Santa Maria—Lompoc	125.4	125.0	124.9	1.6	1.5	1.5	5.0	4.6	4.6	18.4	18.3	18.2
30 Santa Rosa	57.4	96.5	97.2	.5	.4	.5	6.0	4.8	5.0	15.2	15.8	15.8
31 Stockton	123.4	120.4	118.6	.1	.1	.1	6.0	5.7	5.7	22.3	20.2	19.8
32 Vallejo—Fairfield—Napa	102.9	103.0	103.1	.5	.5	.5	5.2	4.7	4.7	11.1	10.9	11.1
33 COLORADO	1,283.4	1,284.5	1,290.6	43.0	41.0	41.4	69.0	73.0	76.0	185.0	179.6	179.4
34 Denver—Boulder	822.0	828.5	831.7	25.8	27.4	27.9	39.8	44.6	46.3	128.7	125.9	125.5
35 CONNECTICUT	1,457.8	1,425.2	1,429.4	(2)	(2)	(2)	54.1	51.2	52.8	443.1	414.6	412.2
36 Bridgeport	176.9	168.1	168.0	(2)	(2)	(2)	4.7	4.4	4.6	65.3	63.0	62.6
37 Hartford	403.6	397.4	398.7	(2)	(2)	(2)	12.9	12.3	12.8	98.7	90.7	90.5
38 New Britain	63.7	62.0	60.8	(2)	(2)	(2)	2.5	2.4	2.5	29.4	27.0	25.8
39 New Haven—West Haven	190.4	189.3	188.5	(2)	(2)	(2)	6.6	6.4	6.7	42.2	40.1	38.8
40 Stamford	114.6	113.1	114.5	(2)	(2)	(2)	6.0	5.9	6.0	32.6	31.2	31.3
41 Waterbury	68.9	87.7	88.2	(2)	(2)	(2)	3.0	3.0	3.2	32.2	30.7	30.5
42 DELAWARE	264.5	256.3	257.9	(1)	(1)	(1)	13.6	14.7	14.8	73.1	68.7	66.7
43 Wilmington	232.3	226.8	224.8	(1)	(1)	(1)	14.1	14.6	14.9	66.4	62.7	59.7
44 DISTRICT OF COLUMBIA	614.0	603.3	606.0	(1)	(1)	(1)	12.1	11.7	11.9	15.2	14.6	14.5
45 Washington SMSA	1,621.4	1,592.7	1,597.3	(1)	(1)	(1)	79.4	68.4	69.5	59.1	60.0	60.7
46 FLORIDA	3,726.4	3,785.6	3,763.4	11.4	9.6	9.0	284.4	257.1	256.7	465.8	456.3	451.9
47 Daytona Beach	81.5	80.5	80.4	-	-	-	5.3	4.2	4.2	8.7	8.6	8.6
48 Fort Lauderdale—Hollywood	360.7	353.3	349.2	(1)	(1)	(1)	31.0	25.3	25.7	41.7	39.9	39.9
49 Fort Myers—Cape Coral	71.5	72.3	72.0	(1)	(1)	(1)	9.1	8.1	8.0	3.8	4.3	4.3
50 Gainesville	68.9	68.4	68.2	(1)	(1)	(1)	3.3	2.9	3.0	4.5	4.4	4.4
51 Jacksonville	255.9	302.0	302.0	(1)	(1)	(1)	18.3	17.6	17.6	34.4	33.5	33.0
52 Lakeland—Winter Haven	124.4	115.5	111.3	6.2	3.8	3.1	10.7	8.8	8.6	22.5	19.4	17.9
53 Melbourne—Titusville—Cocoa	108.0	105.4	103.2	(1)	(1)	(1)	6.7	5.8	5.5	23.7	24.4	24.2
54 Miami	745.6	726.7	725.2	(1)	(1)	(1)	41.2	34.7	34.3	100.0	97.0	97.0
55 Orlando	301.5	301.0	299.9	(1)	(1)	(1)	22.0	19.4	19.5	38.2	37.5	37.3
56 Pensacola	101.6	100.0	99.9	(1)	(1)	(1)	7.3	6.4	6.4	12.7	12.2	12.0
57 Sarasota	72.9	73.6	73.7	(1)	(1)	(1)	7.9	6.8	6.8	6.4	6.0	6.0
58 Tallahassee	76.5	74.1	73.7	(1)	(1)	(1)	3.9	3.5	3.5	2.9	2.9	2.8
59 Tampa—St. Petersburg	574.7	571.9	569.0	(1)	(1)	(1)	43.7	37.7	37.4	78.9	77.2	76.6
60 West Palm Beach—Boca Raton	216.7	218.3	214.6	(1)	(1)	(1)	20.7	18.0	18.1	28.3	28.4	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			
JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	
72.1	71.0	71.0	272.0	272.3	271.1	60.0	59.1	59.3	211.1	212.9	213.1	284.0	294.5	295.4	1
29.6	29.7	29.7	81.1	81.2	81.2	23.2	22.9	23.0	69.3	70.3	70.8	50.2	53.7	50.7	2
2.7	2.6	2.6	21.8	22.5	22.5	3.7	3.5	3.5	19.0	19.8	19.6	34.2	35.5	34.9	3
10.4	10.3	10.3	37.4	35.8	35.7	7.3	7.3	7.3	30.0	30.6	30.7	27.2	26.9	27.8	4
4.6	4.4	4.4	23.4	23.1	23.0	6.3	6.3	6.3	20.6	20.9	20.7	29.3	29.5	29.4	5
1.7	1.8	1.8	10.0	9.6	9.6	1.7	1.7	1.7	6.4	6.5	6.5	17.0	18.4	16.9	6
19.0	18.2	19.1	31.8	32.5	33.4	8.7	9.2	9.3	32.2	32.6	33.9	56.6	60.5	59.5	7
54.1	55.0	55.2	252.0	259.7	257.6	61.1	61.8	61.9	215.4	223.1	222.0	187.7	206.3	189.3	8
33.0	34.1	34.2	168.6	173.2	171.6	47.2	47.8	47.8	139.4	147.0	145.9	92.9	103.1	93.4	9
9.2	8.9	9.0	41.8	43.5	43.3	8.8	8.9	8.9	40.7	42.4	42.2	40.7	45.9	42.8	10
43.9	43.2	43.8	161.7	161.6	162.1	32.3	32.8	33.2	117.2	117.4	118.6	128.8	139.9	127.0	11
4.0	4.1	4.2	15.9	16.6	16.5	2.3	2.3	2.3	9.2	9.7	9.4	10.3	11.5	10.1	12
3.7	3.3	3.3	14.6	14.0	14.0	2.6	2.6	2.6	12.5	12.0	12.1	9.3	10.0	8.9	13
13.9	13.2	13.3	42.2	41.4	41.7	12.9	12.8	12.9	35.7	36.8	37.3	36.2	37.7	36.5	14
3.9	3.8	3.8	6.3	6.3	6.2	1.3	1.4	1.4	5.2	5.4	5.4	6.0	6.7	6.1	15
557.1	549.6	551.0	2,315.3	2,335.4	2,344.6	644.7	656.9	657.2	2,260.5	2,334.1	2,344.3	1,811.3	1,786.3	1,784.6	16
29.5	29.5	29.6	211.3	215.8	217.1	61.7	62.2	62.0	184.5	187.4	188.7	110.3	107.2	107.3	17
8.0	7.7	7.7	35.2	34.2	34.7	5.2	5.3	5.3	25.0	25.3	25.5	33.5	32.9	33.1	18
11.1	10.7	10.7	48.8	48.0	48.7	11.6	11.8	11.7	37.5	37.8	37.7	41.5	42.4	41.2	19
201.8	196.7	196.3	817.3	829.8	830.6	240.0	242.4	242.5	862.5	882.0	888.5	492.0	470.8	466.2	20
3.8	3.7	3.7	21.3	21.4	21.5	3.6	3.6	3.6	17.7	18.3	18.2	17.5	17.4	16.9	21
6.9	7.3	7.3	38.5	40.0	40.1	8.3	8.5	8.5	32.4	32.8	32.7	38.5	38.5	38.5	22
26.2	25.9	26.0	108.4	109.9	109.8	19.8	20.0	19.9	93.9	96.9	95.8	101.8	103.9	102.4	23
22.5	22.3	22.3	94.9	94.0	94.0	22.5	22.5	22.5	78.7	78.5	78.5	144.7	145.9	144.4	24
5.4	5.0	5.1	23.6	23.7	24.1	4.4	4.3	4.4	20.3	20.3	20.5	24.9	24.5	24.7	25
29.6	29.5	29.6	151.9	151.5	150.6	41.0	41.2	41.1	155.7	159.5	159.4	146.8	142.5	142.3	26
131.2	127.8	127.9	361.9	362.1	363.8	150.6	152.5	153.0	371.3	379.9	382.1	294.5	288.4	288.9	27
22.5	22.3	22.4	128.8	132.7	132.9	28.9	28.4	28.4	161.4	163.3	164.9	62.8	61.6	61.3	28
5.4	5.3	5.4	29.5	29.6	29.7	5.9	6.0	6.0	34.1	35.0	34.8	25.5	24.7	24.7	29
5.1	4.9	4.9	23.4	23.7	23.8	6.0	6.0	6.0	20.6	20.4	20.6	20.6	20.5	20.6	30
8.4	7.9	8.0	28.9	27.7	27.5	5.3	5.4	5.4	24.7	25.5	25.0	27.7	27.9	27.1	31
4.9	4.6	4.6	22.5	22.9	23.0	3.5	3.4	3.4	19.9	20.6	20.2	35.3	35.4	35.6	32
82.1	80.1	81.0	311.9	313.8	314.5	79.7	81.4	82.0	268.4	271.1	277.1	244.4	244.5	239.2	33
57.3	55.7	56.1	195.1	196.2	196.0	56.6	58.3	58.8	180.7	183.1	185.5	138.1	137.2	135.6	34
62.2	60.8	61.6	306.0	305.7	307.8	111.3	114.4	116.0	293.7	297.6	300.6	187.4	180.9	178.4	35
6.1	6.1	6.1	34.8	34.9	34.8	7.7	7.7	7.7	35.1	34.9	35.1	17.2	17.1	17.1	36
14.4	14.6	14.6	84.4	85.1	85.4	63.7	63.0	64.2	76.1	77.7	77.4	53.4	54.0	53.8	37
3.2	3.3	3.4	10.5	10.5	10.5	1.9	1.9	1.9	10.0	10.3	10.4	6.2	6.6	6.3	38
15.8	15.8	15.9	40.5	40.4	40.8	11.4	11.4	11.6	49.2	50.5	50.4	24.7	24.7	24.3	39
4.7	4.6	4.7	26.0	26.3	26.6	8.4	8.6	8.7	26.6	26.2	26.8	10.3	10.3	10.4	40
3.1	3.1	3.2	16.0	15.9	16.1	3.8	3.9	3.9	19.3	19.6	19.8	11.5	11.5	11.5	41
12.2	12.1	12.1	58.2	56.2	57.3	13.1	12.9	13.1	50.1	49.3	50.7	44.2	44.5	43.3	42
12.0	11.7	11.7	47.8	46.4	46.9	12.1	12.1	12.4	44.8	43.8	45.0	35.0	35.5	34.2	43
26.6	26.2	26.4	63.7	63.8	64.2	34.9	33.7	34.0	186.1	185.7	185.8	275.4	267.6	269.2	44
72.8	72.8	73.7	310.1	315.0	315.6	93.1	91.7	93.3	452.3	450.4	454.5	554.6	534.4	530.0	45
230.2	231.3	230.0	972.3	1,027.6	1,015.6	272.9	281.2	279.5	861.0	905.2	907.3	628.4	617.3	613.4	46
3.3	3.2	3.2	23.1	23.5	23.0	4.7	4.7	4.7	22.0	21.4	21.6	14.8	14.9	15.1	47
17.3	17.5	17.6	104.7	103.3	100.4	31.6	32.0	31.7	85.9	85.9	84.7	48.5	49.4	49.2	48
4.3	4.4	4.4	20.6	20.3	20.1	6.5	6.8	6.8	16.2	16.6	16.4	11.4	11.8	12.0	49
1.7	1.7	1.7	14.5	14.5	14.1	3.0	3.1	3.2	14.2	13.9	13.9	27.7	27.9	27.9	50
24.6	25.1	25.2	77.9	77.8	78.1	28.2	28.0	27.9	63.7	65.4	65.6	52.8	54.6	54.6	51
5.4	5.2	5.1	31.2	29.3	28.2	6.7	7.1	6.9	24.0	24.1	23.7	17.7	17.8	17.8	52
4.8	4.5	4.4	22.7	21.9	21.7	4.3	4.2	3.8	26.1	26.1	25.5	19.7	18.5	18.1	53
74.3	71.0	70.6	197.1	191.7	191.1	57.9	56.6	56.2	182.3	179.0	179.1	96.8	96.7	96.9	54
15.1	15.7	15.7	80.4	81.0	80.3	20.4	20.3	20.4	82.8	82.4	82.0	42.6	44.7	44.7	55
5.2	4.8	4.9	24.1	24.7	24.8	4.6	4.5	4.6	21.0	21.8	21.7	26.7	25.6	25.5	56
3.2	3.2	3.2	21.0	22.3	22.2	6.0	6.1	6.0	18.7	18.8	19.0	9.7	10.4	10.5	57
3.0	3.1	3.1	15.1	15.5	15.3	3.5	3.6	3.6	14.0	14.0	13.9	34.1	31.5	31.5	58
32.3	32.8	32.9	158.1	160.2	158.5	41.7	42.5	42.7	137.7	137.1	137.0	82.3	84.4	83.9	59
9.3	10.1	10.0	55.9	57.8	56.1	18.0	18.5	18.0	53.0	53.5	52.3	31.5	32.0	31.9	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 areas	Total			Mining			Construction			Manufacturing		
		JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
1	GEORGIA	2,186.4	2,163.1	2,155.0	7.9	7.9	7.9	102.9	99.6	100.4	526.5	495.5	493.4
2	Albany	44.8	44.8	44.7	(1)	(1)	(1)	2.0	2.2	2.1	12.1	11.8	11.8
3	Atlanta	993.5	997.1	993.0	(1)	(1)	(1)	46.1	44.2	45.0	147.6	141.6	140.8
4	Augusta	121.3	122.3	121.5	(1)	(1)	(1)	5.7	5.1	5.3	35.4	34.4	33.9
5	Columbus	82.6	78.3	77.9	(1)	(1)	(1)	5.0	5.1	5.0	21.4	18.7	18.2
6	Macon	57.9	98.5	98.4	(1)	(1)	(1)	3.5	3.8	3.8	17.3	17.1	17.0
7	Savannah	88.1	88.8	89.6	(1)	(1)	(1)	4.8	4.4	4.6	17.1	16.0	16.4
8	HAWAII	406.8	402.7	402.4	-	-	-	22.3	19.2	18.8	25.4	22.9	23.8
9	Honolulu	335.1	330.6	330.0	-	-	-	18.2	15.5	15.0	18.8	16.8	17.7
10	IDAHO	325.3	317.4	319.1	5.3	3.5	3.5	16.7	15.7	16.7	53.3	47.6	49.1
11	Boise City	77.7	75.7	75.8	(1)	(1)	(1)	5.5	4.9	5.4	8.7	8.7	8.7
12	ILLINOIS	4,800.4	4,638.5	4,637.4	29.5	29.0	28.4	176.8	159.5	164.7	1,149.9	1,039.9	1,029.7
13	Bloomington—Normal	49.4	48.4	47.5	(2)	(2)	(2)	2.0	1.8	1.9	7.0	6.3	6.0
14	Champaign—Urbana—Rantoul	73.0	77.4	73.5	(2)	(2)	(2)	1.8	1.4	1.5	7.7	7.4	7.3
15	Chicago—Gary	(*)	3,402.7	3,422.4	(*)	4.3	4.3	(*)	113.1	119.6	(*)	791.7	793.7
16	Chicago SMSA	3,259.5	3,166.6	3,187.7	4.1	4.2	4.2	105.8	99.7	105.9	785.2	712.5	715.4
17	Davenport—Rock Island—Moline	165.2	157.6	157.4	(2)	(2)	(2)	7.9	7.4	7.6	50.9	45.4	44.6
18	Decatur	56.7	54.4	54.4	(2)	(2)	(2)	2.4	2.2	2.4	20.5	18.9	19.1
19	Kankakee	33.9	32.9	33.4	(2)	(2)	(2)	1.8	1.6	1.6	9.1	8.2	8.2
20	Peoria	148.8	141.6	138.1	(2)	(2)	(2)	7.0	6.7	7.0	48.4	42.3	38.3
21	Rockford	117.9	105.4	106.1	(2)	(2)	(2)	3.8	3.4	3.7	50.0	38.8	38.9
22	Springfield	66.8	86.8	87.0	(2)	(2)	(2)	4.0	4.0	3.9	6.7	6.2	6.2
23	INDIANA	2,135.5	2,046.3	2,034.6	9.9	9.2	9.2	89.9	78.4	78.2	670.9	601.9	601.7
24	Anderson	46.4	43.4	43.3	(1)	(1)	(1)	1.1	1.1	1.1	20.3	17.6	17.8
25	Elkhart	69.1	66.6	66.9	-	-	-	2.3	1.8	1.9	35.2	34.0	34.1
26	Evansville	128.9	124.4	126.2	2.8	2.5	2.5	7.2	6.4	6.5	37.4	33.9	34.9
27	Fort Wayne	172.7	164.0	163.0	(1)	(1)	(1)	8.2	7.2	7.4	54.4	48.4	48.5
28	Gary—Hammond—East Chicago	252.4	236.1	234.7	(1)	(1)	(1)	15.1	13.4	13.7	93.4	79.2	78.3
29	Indianapolis	535.9	523.0	519.5	(1)	(1)	(1)	23.3	21.5	21.6	123.7	114.8	113.4
30	Lafayette—West Lafayette	53.8	55.7	52.7	(1)	(1)	(1)	2.8	2.3	2.5	11.4	10.5	10.5
31	Muncie	46.8	47.3	45.0	(1)	(1)	(1)	1.4	1.1	1.2	12.5	10.8	10.7
32	South Bend	107.4	104.3	104.1	(1)	(1)	(1)	4.5	3.6	3.7	31.0	29.9	29.8
33	Terre Haute	60.9	57.6	55.8	1.3	1.4	1.4	3.5	2.5	2.6	15.6	13.8	13.8
34	IOWA	1,098.9	1,063.6	1,054.0	2.1	2.0	2.0	48.6	41.5	43.7	237.8	214.9	210.0
35	Cedar Rapids	82.5	77.0	76.5	(1)	(1)	(1)	3.6	2.8	2.9	26.1	23.1	22.2
36	Des Moines	177.6	171.5	171.4	(1)	(1)	(1)	6.7	5.2	5.3	23.5	20.7	20.2
37	Dubuque	42.1	39.1	39.0	(1)	(1)	(1)	1.4	1.1	1.2	14.7	11.8	11.5
38	Sioux City	45.1	48.8	46.1	(1)	(1)	(1)	2.1	1.7	1.6	9.1	8.6	6.5
39	Waterloo—Cedar Falls	64.3	60.5	59.8	(1)	(1)	(1)	2.1	2.1	2.2	22.5	18.9	19.0
40	KANSAS	957.5	939.6	938.2	19.7	19.3	18.7	44.9	38.8	39.8	189.6	173.0	172.4
41	Lawrence	26.8	28.4	26.5	(2)	(2)	(2)	.9	.7	.8	4.9	4.5	4.3
42	Topeka	87.0	84.0	84.6	.2	.2	.1	3.6	2.7	3.0	10.2	9.8	9.5
43	Wichita	210.0	197.9	197.8	3.5	3.8	3.8	10.2	9.0	9.2	64.7	55.1	54.3
44	KENTUCKY	1,191.7	1,169.8	1,159.8	41.0	53.4	52.8	53.0	45.6	45.9	278.7	253.0	249.0
45	Lexington—Fayette	142.7	143.2	141.1	(1)	(1)	(1)	6.5	4.8	4.8	29.5	27.7	27.3
46	Louisville	388.0	374.6	371.2	(1)	(1)	(1)	18.1	16.9	17.2	99.8	89.0	85.6
47	Owensboro	31.6	27.9	27.8	1.2	.9	.9	1.8	1.3	1.3	6.8	5.7	5.7
48	LOUISIANA	1,634.7	1,621.6	1,620.1	99.0	98.6	99.0	139.5	132.1	133.8	224.4	203.6	201.6
49	Alexandria	53.2	53.8	53.0	(1)	(1)	(1)	4.2	3.9	4.0	5.2	5.2	5.2
50	Baton Rouge	203.9	203.9	202.6	1.3	1.3	1.3	25.3	18.9	19.4	26.6	25.3	25.2
51	Lafayette	89.8	95.9	96.6	18.9	20.1	19.9	5.8	5.8	5.9	4.7	5.1	5.2
52	Lake Charles	71.2	65.2	64.8	2.5	2.4	2.4	10.3	5.8	5.6	13.7	11.3	10.9
53	Monroe	51.5	49.4	48.8	.7	.7	.7	3.6	3.0	3.1	8.2	7.1	7.0
54	New Orleans	521.8	512.9	512.2	20.3	21.7	22.0	31.4	30.1	30.2	54.2	48.7	48.6
55	Shreveport	153.1	150.3	148.9	7.7	6.5	6.5	8.7	7.9	8.3	27.5	27.1	26.6
56	MAINE	430.1	409.6	421.0	(1)	(1)	(1)	19.5	16.3	17.8	115.6	105.9	108.8
57	Lewiston—Auburn	34.9	33.7	34.1	(1)	(1)	(1)	1.3	1.2	1.3	11.9	10.8	10.9
58	Portland	94.3	95.0	97.1	(1)	(1)	(1)	4.5	4.1	4.2	17.9	17.4	17.6
59	MARYLAND	1,735.4	1,690.4	1,699.2	(1)	(1)	(1)	99.5	82.1	83.6	235.5	215.0	215.5
60	Baltimore SMSA	971.7	949.1	951.2	(1)	(1)	(1)	47.4	37.4	38.0	158.1	142.1	141.3
61	Baltimore City	455.0	439.3	440.7	(1)	(1)	(1)	17.2	14.2	14.5	65.2	59.6	58.6

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			
JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	
144.6	141.7	143.0	501.3	498.1	496.5	113.6	115.6	116.1	360.1	365.3	366.5	429.5	439.3	430.7	1
2.4	2.2	2.3	9.2	9.6	9.4	2.0	2.0	2.1	6.5	6.3	6.3	10.7	10.7	10.7	2
89.7	89.2	89.9	269.0	273.8	273.0	67.6	68.2	68.5	209.1	216.4	217.9	164.5	163.6	157.9	3
4.3	4.5	4.5	22.2	23.0	23.2	4.4	4.6	4.6	18.0	18.3	18.3	31.2	32.5	31.7	4
3.3	3.2	3.3	15.7	15.6	15.6	5.4	5.5	5.5	11.7	11.4	11.6	20.0	18.8	18.7	5
4.5	4.5	4.5	20.3	20.1	20.3	6.1	6.2	6.2	17.2	17.1	16.9	29.1	29.8	29.4	6
8.7	8.3	8.5	21.6	21.9	21.9	4.1	4.1	4.1	15.7	16.6	16.4	16.0	17.5	17.6	7
31.6	30.4	30.6	106.3	104.5	105.3	32.4	32.2	32.1	100.6	101.5	101.7	88.2	92.0	90.1	8
26.4	25.4	25.6	87.8	86.6	87.0	27.8	27.7	27.7	81.2	80.2	80.5	74.9	78.4	76.5	9
19.9	19.4	19.8	79.6	78.7	78.8	23.2	23.1	23.3	60.3	58.7	58.4	71.0	70.7	69.5	10
5.2	4.8	4.9	19.5	19.1	19.1	8.2	7.6	7.6	14.5	14.2	14.2	16.1	16.2	15.7	11
286.9	273.8	273.2	1,098.5	1,075.3	1,080.5	321.1	316.9	320.5	969.4	971.7	977.8	768.3	772.4	762.6	12
3.1	3.1	3.1	12.1	11.9	11.8	7.7	7.8	7.9	8.4	8.5	8.5	9.1	9.0	8.3	13
2.7	2.5	2.6	19.2	19.1	19.0	2.5	2.5	2.4	11.8	11.9	12.0	27.3	32.6	28.7	14
(*)	206.2	206.0	(*)	801.8	806.7	(*)	250.9	253.5	(*)	746.3	750.0	(*)	488.4	488.6	15
198.5	192.4	192.1	768.5	751.0	755.6	247.1	241.9	244.5	699.2	708.2	712.4	451.1	456.7	457.6	16
7.1	6.7	6.9	41.0	39.7	39.7	7.2	7.1	7.2	24.4	25.0	24.8	26.7	26.3	26.6	17
5.4	5.1	5.1	11.4	11.5	11.4	2.7	2.7	2.7	8.7	8.6	8.6	5.6	5.4	5.1	18
1.5	1.4	1.4	6.8	6.8	6.9	1.1	1.1	1.1	6.4	6.5	6.5	7.2	7.3	7.7	19
7.9	7.9	7.8	34.8	34.1	34.1	7.1	7.0	7.0	26.2	25.9	26.2	17.4	17.7	17.7	20
4.5	4.4	4.4	24.5	23.8	23.8	4.2	4.3	4.2	18.5	18.5	18.9	12.4	12.2	12.2	21
4.7	4.7	4.6	18.7	18.5	18.7	6.8	6.7	6.7	17.7	18.0	18.2	28.2	28.7	28.7	22
105.1	99.4	99.8	472.1	463.2	463.8	102.4	99.6	100.6	344.4	348.8	348.4	340.7	345.8	332.9	23
1.3	1.2	1.2	9.4	9.0	9.0	1.6	1.6	1.6	7.2	7.4	7.2	5.5	5.5	5.4	24
2.1	2.0	2.1	13.2	12.8	12.9	2.1	2.1	2.1	9.1	8.9	8.9	5.1	5.0	4.9	25
7.2	7.1	7.2	30.8	31.5	31.6	4.7	4.6	4.7	25.4	25.7	25.6	13.4	12.7	13.2	26
11.0	10.3	10.4	41.8	41.1	40.8	10.7	10.5	10.6	29.2	28.7	28.8	17.4	17.8	16.5	27
14.9	13.8	13.9	51.7	50.8	51.1	9.2	9.0	9.0	36.8	38.2	37.7	31.3	31.7	31.0	28
31.3	29.8	30.0	132.7	131.0	131.0	39.2	38.2	38.6	98.0	100.5	99.4	87.7	87.2	85.5	29
1.5	1.4	1.4	10.8	11.1	11.0	2.6	2.5	2.5	9.4	9.5	9.5	15.3	18.4	15.3	30
2.1	2.0	2.0	12.3	12.3	12.1	1.5	1.4	1.4	8.4	8.3	8.4	8.6	11.4	9.2	31
4.6	4.4	4.4	25.6	24.8	24.8	5.3	5.1	5.2	22.9	23.8	23.9	13.5	12.7	12.3	32
3.4	3.2	3.2	15.2	13.7	13.6	2.1	1.9	1.9	9.2	9.3	8.9	10.6	11.8	10.4	33
54.8	51.2	51.5	274.9	268.3	267.4	59.7	59.4	60.0	207.0	210.8	206.5	214.0	215.5	212.9	34
3.8	3.7	3.7	19.1	18.0	18.0	4.4	4.2	4.2	15.9	15.9	15.9	9.6	9.3	9.6	35
11.1	11.0	11.1	45.6	44.5	44.5	22.1	22.7	22.9	40.2	39.8	39.6	28.5	27.5	27.6	36
1.7	1.6	1.6	9.1	8.7	8.8	1.3	1.3	1.3	10.3	10.9	10.9	3.6	3.6	3.8	37
3.9	3.8	3.8	12.9	12.5	12.8	2.9	2.7	2.7	12.2	12.6	12.6	6.0	6.3	6.1	38
2.4	2.3	2.3	13.7	13.3	13.3	2.1	2.0	2.0	11.1	11.0	11.0	10.5	10.9	10.0	39
64.0	61.7	62.8	229.4	227.1	226.5	48.5	47.8	48.3	175.6	179.4	180.7	185.8	192.5	189.0	40
1.5	1.4	1.4	5.4	5.6	5.4	.8	.8	.9	3.9	4.1	4.0	9.4	11.3	9.7	41
8.3	7.9	8.1	18.7	18.2	18.4	6.1	5.9	5.9	17.7	17.6	17.7	22.2	21.7	21.9	42
10.3	10.4	10.5	47.8	45.5	45.5	9.8	9.6	9.8	40.3	40.6	40.8	23.4	23.5	23.9	43
67.3	65.3	66.7	258.1	250.1	252.9	52.5	51.7	51.5	217.5	216.9	217.2	223.6	233.8	223.8	44
7.6	7.4	7.5	31.4	32.4	32.7	7.1	7.2	6.7	28.9	30.4	29.9	31.7	33.3	32.2	45
23.4	22.9	22.7	87.3	88.0	87.4	24.4	23.9	24.0	77.0	79.1	79.0	58.0	54.8	55.3	46
2.3	2.3	2.3	7.1	6.2	6.2	1.3	1.3	1.3	6.2	5.5	5.5	4.9	4.7	4.6	47
133.2	130.7	131.9	371.4	370.3	369.7	75.0	76.1	76.4	289.0	295.7	296.4	303.2	314.5	311.3	48
2.4	2.4	2.4	11.6	11.8	11.9	3.0	3.0	3.0	11.0	11.5	11.2	15.8	16.0	15.3	49
10.7	11.0	10.9	45.9	47.7	47.6	12.2	12.5	12.5	35.7	37.1	37.3	46.2	50.1	48.4	50
6.8	7.5	7.6	23.3	25.1	25.2	3.1	3.4	3.5	17.5	18.3	18.8	9.7	10.6	10.5	51
4.2	4.7	4.9	15.1	15.5	15.6	2.9	3.0	3.0	10.8	11.2	11.2	11.7	11.3	11.2	52
2.7	2.5	2.5	13.3	12.6	12.5	3.9	3.9	3.9	9.0	8.9	8.9	10.1	10.7	10.2	53
56.3	55.2	55.1	130.7	129.4	129.0	31.4	31.1	31.1	116.3	115.2	112.9	81.2	81.5	83.3	54
9.6	9.0	9.1	36.2	35.1	34.3	7.6	7.1	7.1	30.0	31.2	31.2	25.8	26.4	26.4	55
19.3	18.5	19.2	93.7	88.5	92.2	17.3	17.7	18.2	82.8	79.1	82.6	81.9	83.6	82.2	56
1.2	1.2	1.2	8.2	8.2	8.3	1.7	1.7	1.8	7.5	7.7	7.7	3.1	2.9	2.9	57
5.9	5.8	6.1	25.5	25.6	26.6	7.6	8.1	8.3	20.8	21.4	22.4	12.1	12.6	11.9	58
85.7	84.4	85.6	410.5	412.2	414.1	94.6	94.3	95.8	383.7	384.6	388.1	425.9	417.8	416.5	59
57.6	55.5	56.7	225.0	230.5	230.3	58.1	58.2	59.4	201.6	205.6	204.6	223.9	219.8	220.9	60
39.4	38.2	39.7	98.4	97.5	97.6	38.8	38.9	39.6	106.4	108.2	107.7	89.6	82.7	83.0	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 area	Total			Mining			Construction			Manufacturing		
		JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
1	MASSACHUSETTS	2,686.0	2,641.3	2,642.6	(1)	(1)	(1)	82.7	81.4	85.0	678.0	640.0	640.2
2	Boston	1,493.1	1,488.2	1,480.8	(1)	(1)	(1)	44.9	43.5	45.2	298.0	289.0	288.5
3	Brockton	56.6	57.4	57.3	(1)	(1)	(1)	1.6	1.5	1.5	13.0	12.4	12.3
4	Fall River	54.6	53.1	53.1	(1)	(1)	(1)	1.4	1.2	1.2	20.5	19.4	19.4
5	Lawrence—Haverhill	117.7	113.8	113.7	(1)	(1)	(1)	3.1	2.8	2.9	47.4	43.5	43.5
6	Lowell	75.5	80.1	80.0	(1)	(1)	(1)	2.9	2.9	3.0	29.5	29.7	29.9
7	New Bedford	65.7	63.0	63.2	(1)	(1)	(1)	1.7	1.5	1.6	26.6	24.7	25.0
8	Springfield—Chicopee—Holyoke	235.1	234.0	228.6	(1)	(1)	(1)	6.5	6.1	6.2	65.0	59.8	60.0
9	Worcester	166.5	164.4	163.3	(1)	(1)	(1)	5.3	5.0	5.1	48.4	44.2	44.0
10	MICHIGAN	3,416.5	3,245.0	3,243.8	12.9	9.7	9.1	108.7	86.3	79.1	1,003.1	895.1	899.3
11	Ann Arbor	134.0	130.2	130.1	(1)	(1)	(1)	2.3	1.8	1.7	39.0	35.0	36.4
12	Battle Creek	62.9	60.7	60.5	(1)	(1)	(1)	1.5	1.6	1.6	20.5	17.8	18.4
13	Bay City	34.6	34.2	34.1	(1)	(1)	(1)	1.1	.9	.8	9.2	8.3	8.4
14	Benton Harbor	60.8	57.8	57.8	(1)	(1)	(1)	2.0	1.6	1.7	21.5	19.7	19.6
15	Detroit	1,652.7	1,561.0	1,554.3	1.1	1.0	1.0	48.3	38.9	32.1	478.6	429.5	424.9
16	Flint	191.3	177.4	180.3	(1)	(1)	(1)	5.5	4.1	4.2	74.1	63.4	64.6
17	Grand Rapids	271.2	267.8	267.0	(1)	(1)	(1)	11.7	10.2	10.8	91.0	87.0	87.6
18	Jackson	51.1	48.2	48.7	(1)	(1)	(1)	1.4	1.0	1.0	14.5	12.9	13.2
19	Kalamazoo—Portage	109.6	107.2	106.7	(1)	(1)	(1)	4.8	3.9	4.0	33.0	31.2	31.2
20	Lansing—East Lansing	195.9	189.9	189.0	(1)	(1)	(1)	5.9	3.7	3.9	42.4	35.4	37.5
21	Muskegon—Norton Shores—Musk. Hts.	59.9	58.5	58.3	(1)	(1)	(1)	2.2	1.9	2.0	20.0	19.2	19.3
22	Saginaw	84.5	79.2	81.5	(1)	(1)	(1)	2.4	2.2	2.2	30.3	23.6	26.4
23	MINNESOTA	1,787.0	1,739.7	1,742.3	16.9	13.1	10.1	69.4	63.9	69.6	367.4	346.0	349.9
24	Duluth—Superior	58.9	55.3	55.2	(1)	(1)	(1)	2.0	1.5	1.7	7.3	6.1	5.4
25	Minneapolis—St. Paul	1,102.0	1,080.1	1,077.0	(1)	(1)	(1)	39.0	34.9	37.0	243.7	233.9	234.8
26	Rochester	51.5	50.6	50.8	(2)	(2)	(2)	1.8	2.1	2.5	10.7	9.9	9.7
27	St. Cloud	55.5	54.5	54.0	(1)	(1)	(1)	3.4	3.0	3.3	12.4	11.6	11.6
28	MISSISSIPPI	821.8	805.0	793.5	13.0	12.8	12.9	43.7	39.7	39.2	225.3	210.2	210.4
29	Jackson	147.4	145.9	144.6	2.2	2.1	2.1	6.8	5.4	5.6	18.9	17.6	17.5
30	MISSOURI	1,951.2	1,971.9	1,977.3	6.2	7.3	7.3	93.1	90.5	94.2	430.2	414.6	413.9
31	Kansas City	633.7	603.1	602.1	.6	.4	.4	24.5	20.4	20.8	118.9	112.2	109.7
32	St. Joseph	36.2	35.0	34.9	(2)	(2)	(2)	2.0	1.5	1.5	8.7	8.4	8.3
33	St. Louis	1,001.4	982.2	982.2	3.5	3.4	3.2	46.0	45.3	44.9	233.0	220.8	221.3
34	Springfield	86.7	86.0	85.9	(2)	(2)	(2)	3.3	3.5	3.6	18.3	17.6	17.9
35	MONTANA	288.3	288.1	288.8	11.9	10.5	10.4	14.1	13.3	14.9	23.8	21.8	21.5
36	Billings	48.4	48.7	48.9	(1)	(1)	(1)	2.2	2.4	2.5	4.0	4.0	4.0
37	Great Falls	29.5	30.7	31.1	(1)	(1)	(1)	1.4	1.7	2.0	1.4	1.3	1.3
38	NEBRASKA	633.4	617.1	618.2	1.8	1.5	1.5	27.7	23.5	24.5	96.1	86.7	84.8
39	Lincoln	100.2	98.0	98.0	(2)	(2)	(2)	3.4	2.9	2.9	13.2	12.2	12.1
40	Omaha	266.0	259.9	261.9	(2)	(2)	(2)	10.3	8.7	9.1	36.2	33.6	33.3
41	NEVADA	417.7	416.0	417.6	8.1	7.5	7.4	26.5	22.9	23.3	20.8	20.2	20.3
42	Las Vegas	229.4	230.5	230.3	.6	.6	.6	15.2	13.6	13.7	7.6	7.3	7.3
43	Reno	117.1	116.3	116.8	.9	.8	.8	6.6	5.7	5.7	8.6	8.2	8.2
44	NEW HAMPSHIRE	401.4	393.0	400.5	(2)	(2)	(2)	21.0	23.4	24.2	117.5	112.4	113.3
45	Manchester	75.6	75.6	76.3	(2)	(2)	(2)	3.3	3.0	3.1	17.2	17.1	17.3
46	Nashua	68.1	68.0	68.8	(2)	(2)	(2)	2.7	2.7	2.8	31.4	30.3	30.6
47	NEW JERSEY	3,136.6	3,069.9	3,110.1	2.3	2.4	2.4	111.7	114.2	116.5	784.6	730.6	731.2
48	Atlantic City	103.5	102.5	106.3	-	-	-	5.7	5.7	5.8	8.4	7.1	7.3
49	Camden	348.7	342.0	344.4	.1	.1	.1	13.6	13.2	13.8	71.7	67.3	67.1
50	Hackensack	404.4	392.8	394.7	(1)	(1)	(1)	15.4	14.9	15.1	110.7	105.0	104.9
51	Jersey City	226.0	220.7	222.2	-	-	-	5.0	5.9	5.9	68.7	64.3	64.3
52	Long Branch—Asbury Park	173.5	171.3	175.0	(1)	(1)	(1)	7.1	6.7	6.7	25.8	24.4	24.4
53	New Bruns.—Perth Amboy—Sayreville	293.7	286.6	287.6	(1)	(1)	(1)	10.9	11.1	11.3	92.5	85.3	84.8
54	Newark	953.3	937.2	945.1	.9	.8	.9	32.8	32.2	32.3	248.5	232.9	234.0
55	Paterson—Clifton—Passaic	191.9	186.3	187.9	(1)	(1)	(1)	6.8	6.1	6.4	67.8	64.9	65.2
56	Trenton	165.3	158.7	159.6	(1)	(1)	(1)	3.3	3.6	3.9	34.7	29.7	29.8
57	Vineland—Millville—Bridgeton	54.4	50.9	50.7	(1)	(1)	(1)	1.9	1.7	1.8	17.9	15.5	15.2
58	NEW MEXICO	478.9	475.6	474.1	32.1	28.6	27.7	34.1	32.1	32.1	34.5	32.9	33.0
59	Albuquerque	185.7	189.8	189.6	(1)	(1)	(1)	12.6	11.7	11.8	18.1	16.8	17.0
60	Las Cruces	29.4	31.0	30.2	-	-	-	1.8	1.7	1.8	2.6	2.7	2.8

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			
JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	
121.9	118.9	119.8	582.3	579.8	588.5	166.3	167.5	170.5	661.1	682.2	669.7	393.7	371.5	368.9	1
72.7	69.7	70.7	325.0	325.0	327.3	113.2	116.4	117.6	435.1	458.3	446.4	204.2	186.3	185.1	2
3.6	3.6	3.6	15.4	15.2	15.4	2.2	2.2	2.3	10.3	10.9	10.8	12.5	11.6	11.4	3
1.8	1.8	1.9	11.6	11.7	11.6	2.9	2.9	2.9	9.3	9.3	9.4	7.1	6.8	6.7	4
4.9	5.0	5.0	22.5	22.6	22.9	4.4	4.4	4.5	18.6	19.3	19.2	16.8	16.2	15.7	5
3.4	3.4	3.5	16.4	16.7	16.7	2.2	2.2	2.2	12.9	13.6	13.6	12.2	11.6	11.1	6
2.3	2.3	2.3	12.7	12.8	12.8	2.1	2.0	2.0	10.5	10.9	10.9	9.8	8.8	8.6	7
9.5	9.2	9.3	48.1	49.0	48.6	13.8	13.5	13.7	47.5	50.8	49.0	44.7	45.6	41.8	8
7.5	7.6	7.8	36.5	36.5	36.5	10.3	10.4	10.7	34.5	36.8	35.8	24.0	23.9	23.4	9
145.6	138.6	140.6	724.0	681.7	685.5	155.0	151.7	153.6	659.7	662.6	666.7	607.5	619.4	605.9	10
3.3	3.3	3.4	19.7	19.1	19.1	4.1	3.8	3.8	24.1	24.8	24.9	41.7	42.5	40.8	11
2.3	2.2	2.2	10.6	10.5	10.5	4.3	4.2	4.2	11.7	12.1	12.1	12.0	12.3	11.4	12
1.7	1.7	1.7	8.7	8.9	9.0	1.4	1.3	1.3	6.9	7.5	7.6	5.6	5.4	5.2	13
2.1	2.0	2.1	11.9	11.4	11.5	2.0	1.9	1.9	12.6	12.4	12.5	8.6	8.8	8.5	14
77.4	73.3	74.0	361.7	346.1	348.4	88.8	88.0	89.2	351.1	345.7	348.6	245.6	238.5	236.0	15
6.0	6.3	6.4	40.4	38.3	38.6	6.4	6.3	6.4	30.2	29.3	29.6	28.7	29.6	30.6	16
11.1	11.0	11.0	64.6	65.5	65.3	11.0	10.9	10.9	50.3	51.8	50.5	31.3	31.5	30.9	17
5.1	4.6	5.1	10.4	9.7	10.0	1.6	1.6	1.6	9.6	9.8	9.7	8.5	8.6	8.0	18
4.2	4.3	4.3	22.6	22.0	22.1	4.1	4.0	4.0	22.4	22.3	22.3	18.6	19.5	18.8	19
5.6	5.6	5.6	35.8	33.8	35.6	9.4	9.2	9.2	30.5	31.2	31.5	66.3	67.0	65.7	20
3.1	3.2	3.1	11.9	11.7	11.9	1.4	1.4	1.4	10.7	10.4	10.5	10.5	10.7	10.2	21
4.8	4.8	4.8	17.6	18.4	18.4	4.1	3.9	3.9	14.0	15.2	15.5	11.2	11.1	10.3	22
99.7	95.1	91.9	447.2	433.3	436.9	98.3	97.9	98.2	382.8	390.3	391.3	305.2	300.0	294.3	23
6.3	5.6	5.8	14.7	14.6	14.9	2.3	2.2	2.2	14.2	13.3	13.2	12.0	12.0	12.0	24
63.6	60.9	57.7	273.2	266.4	267.4	73.2	73.0	73.1	245.8	251.5	249.7	163.6	159.7	157.4	25
2.0	1.9	1.9	9.9	10.0	10.0	1.5	1.5	1.5	19.6	20.1	20.0	6.0	5.1	5.2	26
3.4	3.1	3.3	13.6	13.2	13.1	2.0	1.9	1.9	10.3	10.3	10.3	10.5	11.4	10.5	27
40.6	40.4	40.4	164.6	162.6	162.8	33.2	33.0	33.1	119.5	121.6	118.6	182.0	184.7	176.1	28
10.1	10.1	10.1	34.9	34.6	34.7	11.3	11.0	11.1	29.4	30.3	29.5	33.9	34.8	34.0	29
138.7	134.3	133.7	471.9	467.2	467.2	110.4	108.9	110.1	411.1	415.4	420.9	329.5	333.7	330.0	30
53.5	49.3	49.3	161.5	153.2	153.3	44.9	44.1	44.4	135.4	132.3	133.7	94.4	91.2	90.5	31
2.2	2.2	2.2	8.7	8.5	8.4	1.9	2.0	2.0	6.8	6.4	6.5	5.9	6.0	6.0	32
73.2	69.6	69.4	228.7	225.5	226.4	58.3	57.2	57.5	223.7	225.3	227.3	135.0	135.1	132.2	33
7.2	7.2	7.1	24.2	23.4	23.3	3.6	3.5	3.5	18.7	18.9	19.0	11.4	11.9	11.5	34
23.2	23.0	23.2	75.0	76.0	76.6	13.3	12.6	12.7	57.4	58.1	57.5	69.7	72.7	71.8	35
4.5	4.4	4.5	16.0	16.5	16.5	2.5	2.5	2.5	11.5	11.4	11.4	7.7	7.5	7.6	36
1.9	2.1	2.1	9.6	10.2	10.4	2.1	2.1	2.1	7.2	7.4	7.4	6.0	5.7	5.7	37
47.8	43.5	44.3	163.9	162.3	161.3	41.7	41.4	41.6	121.4	124.2	124.5	133.0	134.0	135.7	38
7.5	6.9	7.1	22.4	22.3	22.1	7.0	7.0	7.0	17.0	17.5	17.2	29.8	29.2	29.6	39
24.7	23.0	23.2	68.0	66.0	66.0	24.1	23.9	24.1	62.4	61.4	61.8	42.3	43.3	44.4	40
25.3	25.3	25.5	85.2	85.8	86.5	18.6	18.1	18.1	176.0	177.4	178.8	57.2	58.8	57.7	41
13.9	14.0	14.0	48.6	48.6	48.8	10.6	10.4	10.4	106.3	108.4	108.3	26.6	27.6	27.2	42
8.2	8.1	8.2	25.7	26.2	26.3	6.3	5.9	5.9	45.0	44.8	45.6	15.8	16.6	16.1	43
14.7	14.4	14.6	91.5	88.9	91.6	20.9	20.7	20.9	77.9	76.5	79.1	57.9	56.7	56.8	44
4.8	4.7	4.8	20.0	20.1	20.3	6.3	6.4	6.4	15.4	16.0	16.0	8.6	8.3	8.4	45
2.2	2.2	2.2	13.7	14.2	14.6	2.0	2.1	2.1	10.3	10.9	10.9	5.8	5.6	5.6	46
193.7	187.2	192.3	703.3	692.9	705.4	163.0	162.8	165.3	650.5	652.1	666.5	527.5	527.7	530.5	47
4.1	3.9	3.9	21.0	18.8	20.4	5.1	4.8	4.8	43.0	45.9	47.8	16.2	16.3	16.3	48
15.5	14.5	15.3	89.6	88.7	89.0	17.6	16.8	16.9	72.4	74.0	74.4	68.1	67.4	67.8	49
20.9	20.2	20.4	117.0	111.7	112.0	18.5	18.3	18.6	78.1	80.9	81.3	43.8	41.8	42.4	50
25.5	23.1	24.0	44.9	44.5	44.6	8.6	8.6	8.7	32.4	32.8	32.8	40.9	41.5	41.9	51
6.7	6.9	7.0	43.6	43.4	45.2	8.0	7.9	8.0	45.1	45.0	46.3	37.1	37.0	37.4	52
23.7	23.0	23.8	67.9	66.8	66.4	11.7	11.7	11.8	43.0	45.0	45.2	44.1	43.7	44.3	53
73.8	73.2	75.3	182.8	180.9	181.6	65.8	66.0	66.6	203.1	205.6	208.4	145.7	145.6	146.0	54
6.6	5.8	6.2	40.7	39.2	39.4	9.1	9.0	8.9	35.1	35.1	35.4	25.8	26.2	26.4	55
5.3	4.8	5.3	24.9	24.2	23.9	8.4	8.6	8.7	42.5	42.0	41.8	46.2	45.8	46.2	56
3.1	2.9	3.0	9.2	8.7	8.7	2.5	2.6	2.5	8.8	8.7	8.8	11.1	10.8	10.7	57
28.6	29.1	28.4	107.2	109.3	110.4	21.9	22.1	22.3	96.8	95.4	97.9	123.7	126.1	122.3	58
11.6	11.6	11.3	47.8	48.9	49.3	11.1	11.0	11.0	46.0	47.2	47.7	42.5	42.6	41.5	59
1.0	1.2	1.1	5.5	5.8	5.7	1.3	1.2	1.2	4.0	4.0	3.9	13.2	14.4	13.7	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 areas	Total			Mining			Construction			Manufacturing		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
1 NEW YORK	7,363.2	7,305.2	7,346.7	6.6	6.2	6.3	225.0	213.4	219.6	1,455.8	1,384.8	1,396.2
2 Albany—Schenectady—Troy.....	341.1	337.9	339.0	(1)	(1)	(1)	10.3	9.2	9.7	56.3	52.3	52.7
3 Binghamton.....	118.7	118.5	119.6	(1)	(1)	(1)	3.9	3.7	3.9	43.7	42.7	43.2
4 Buffalo.....	502.7	479.9	482.1	(1)	(1)	(1)	16.8	14.7	15.4	132.3	116.5	117.6
5 Elmira.....	36.9	34.8	34.8	(1)	(1)	(1)	1.1	1.0	1.0	11.2	9.2	9.0
6 Monroe County.....	345.6	346.8	347.3	(1)	(1)	(1)	10.4	9.8	9.7	140.1	139.6	141.9
7 Nassau—Suffolk.....	943.1	932.1	946.4	(1)	(1)	(1)	37.6	34.9	35.8	169.4	166.1	167.4
8 New York—Northeastern New Jersey.....	6,780.1	6,785.2	(*)	2.9	2.2	(*)	203.5	208.4	(*)	1,333.2	1,278.0	(*)
9 New York and Nassau—Suffolk.....	4,777.7	4,763.4	4,792.9	1.9	1.9	1.8	141.7	138.5	141.1	755.7	727.0	731.5
10 New York SMSA.....	3,834.5	3,831.3	3,846.5	1.7	1.7	1.6	104.1	103.6	105.3	586.3	560.9	564.1
11 New York City.....	3,375.0	3,376.8	3,388.3	1.5	1.4	1.3	84.2	83.4	84.8	493.9	471.2	474.1
12 Poughkeepsie.....	100.1	102.7	102.7	(1)	(1)	(1)	2.9	2.8	2.8	32.9	33.3	34.4
13 Rochester.....	422.5	423.3	423.9	(1)	(1)	(1)	12.3	11.8	11.7	159.2	158.4	160.8
14 Rockland County.....	82.9	82.7	83.3	(1)	(1)	(1)	2.9	3.0	3.1	15.6	15.3	15.5
15 Syracuse.....	260.0	255.4	256.4	(1)	(1)	(1)	10.1	9.3	9.8	60.3	56.9	56.9
16 Utica—Rome.....	115.0	114.1	114.6	(1)	(1)	(1)	2.9	2.8	2.9	29.7	28.3	28.2
17 Westchester County.....	363.9	359.3	362.0	(1)	(1)	(1)	16.3	16.4	16.6	75.5	73.0	73.2
18 NORTH CAROLINA	2,412.6	2,348.4	2,350.6	5.0	4.9	4.9	118.5	106.8	106.7	825.8	775.9	774.2
19 Asheville.....	73.9	71.0	73.1	(1)	(1)	(1)	3.1	2.9	2.9	22.0	20.8	21.1
20 Charlotte—Gastonia.....	343.2	332.9	334.5	(1)	(1)	(1)	18.8	17.7	17.6	95.3	91.3	92.2
21 Greensboro—Winston-Salem—High Pt.....	393.5	386.9	382.7	(1)	(1)	(1)	17.4	16.4	16.0	151.2	143.9	140.6
22 Raleigh—Durham.....	277.6	275.2	274.8	(1)	(1)	(1)	13.9	12.8	12.9	46.0	44.8	45.2
23 NORTH DAKOTA	251.6	252.8	255.1	11.4	10.2	10.3	15.9	16.5	18.3	15.6	14.4	15.2
24 Fargo—Moorhead.....	61.1	62.5	61.9	(2)	(2)	(2)	3.4	3.0	3.3	4.7	4.3	4.7
25 OHIO	4,384.6	4,244.4	4,257.2	31.6	32.9	33.4	161.6	145.6	149.6	1,256.2	1,129.5	1,135.2
26 Akron.....	259.4	257.3	254.8	(*)	(*)	(*)	8.2	7.2	7.5	77.3	71.4	71.3
27 Canton.....	158.9	154.6	155.3	(*)	(*)	(*)	5.2	5.2	5.3	55.9	51.0	51.7
28 Cincinnati.....	600.5	589.4	592.2	(*)	(*)	(*)	23.0	21.3	21.9	160.1	151.0	151.8
29 Cleveland.....	893.2	866.1	870.0	(*)	(*)	(*)	28.7	25.8	27.5	251.3	232.6	232.8
30 Columbus.....	512.7	506.3	508.4	(*)	(*)	(*)	18.8	17.1	16.4	94.4	87.8	88.3
31 Dayton.....	355.2	346.6	348.2	(*)	(*)	(*)	12.0	10.7	11.2	98.4	90.2	90.7
32 Toledo.....	298.1	288.6	288.2	(*)	(*)	(*)	12.0	10.9	10.6	76.1	69.0	69.1
33 Youngstown—Warren.....	204.4	190.4	191.7	(*)	(*)	(*)	6.7	5.8	6.2	69.9	57.8	58.0
34 OKLAHOMA	1,195.9	1,222.1	1,213.4	95.6	100.9	100.1	55.2	55.3	57.8	202.0	189.0	185.6
35 Enid.....	27.2	26.6	26.4	3.0	3.0	2.9	1.6	1.3	1.3	3.1	2.6	2.6
36 Lawton.....	29.2	30.9	30.4	(1)	(1)	(1)	1.4	1.3	1.4	3.1	3.0	3.0
37 Oklahoma City.....	425.3	440.7	441.4	26.8	30.2	29.9	21.8	22.1	23.0	57.1	53.9	52.6
38 Tulsa.....	322.0	327.3	326.4	27.0	28.6	28.7	16.3	16.6	16.9	68.2	64.7	63.5
39 OREGON	1,039.6	974.9	982.9	2.2	2.3	2.3	38.9	31.0	32.6	206.2	185.8	187.2
40 Eugene—Springfield.....	102.4	96.4	97.0	(1)	(1)	(1)	3.7	2.9	3.0	19.3	16.6	16.8
41 Jackson County.....	-	-	-	-	-	-	-	-	-	7.8	6.5	-
42 Portland.....	552.9	525.0	526.3	(1)	(1)	(1)	21.9	19.0	19.0	108.3	101.5	101.4
43 Salem.....	87.5	83.6	84.2	(1)	(1)	(1)	3.3	2.6	2.7	13.4	10.8	11.4
44 PENNSYLVANIA	4,802.3	4,601.2	4,593.5	48.5	45.5	45.1	194.6	170.1	169.9	1,320.7	1,188.9	1,189.9
45 Allentown—Bethlehem—Easton.....	268.8	256.5	257.7	(1)	(1)	(1)	8.8	7.6	8.0	105.7	97.1	96.7
46 Altoona.....	51.1	49.1	49.7	(1)	(1)	(1)	2.1	2.0	2.0	13.1	12.2	12.2
47 Delaware Valley.....	1,600.0	1,556.5	1,552.5	(1)	(1)	(1)	65.2	56.9	58.0	363.2	337.7	337.4
48 Erie.....	112.9	106.5	106.2	(1)	(1)	(1)	3.3	2.7	3.0	41.4	39.2	39.0
49 Harrisburg.....	227.6	227.4	227.4	(1)	(1)	(1)	8.4	7.3	7.3	42.4	40.4	40.9
50 Johnstown.....	84.5	78.8	79.0	8.0	7.2	7.1	3.1	2.1	2.1	17.3	15.1	14.9
51 Lancaster.....	156.3	151.8	153.2	(1)	(1)	(1)	6.7	6.1	6.3	59.8	55.7	56.9
52 Northeast Pennsylvania.....	243.8	233.6	234.2	1.2	1.0	1.0	11.4	9.7	9.5	70.0	64.7	64.7
53 Philadelphia SMSA.....	1,547.2	1,898.1	1,896.9	(1)	(1)	(1)	78.9	70.1	71.7	434.9	404.9	404.5
54 Philadelphia City.....	780.7	759.5	754.5	(1)	(1)	(1)	21.1	18.9	18.8	131.3	121.3	121.7
55 Pittsburgh.....	962.5	892.9	889.0	9.8	9.6	9.4	46.8	41.9	37.7	240.9	197.4	196.7
56 Reading.....	135.8	136.8	137.1	(1)	(1)	(1)	5.2	4.4	4.3	52.6	51.1	51.8
57 Williamsport.....	47.4	44.9	45.9	(1)	(1)	(1)	1.4	1.2	1.3	16.5	15.1	16.0
58 York.....	157.3	152.4	151.9	(1)	(1)	(1)	6.9	6.8	6.7	65.0	60.7	60.8
59 RHODE ISLAND	406.0	391.0	394.4	(1)	(1)	(1)	12.6	11.5	12.1	128.8	116.2	117.7
60 Providence—Warwick—Pawtucket.....	411.2	394.8	397.9	(1)	(1)	(1)	12.8	11.6	12.0	142.0	127.5	130.1
61 SOUTH CAROLINA	1,210.2	1,180.9	1,178.3	(1)	(1)	(1)	73.4	65.9	66.1	392.5	360.4	359.0
62 Charleston—North Charleston.....	155.4	155.9	158.0	(1)	(1)	(1)	10.6	10.2	10.1	21.5	19.5	19.6
63 Columbia.....	175.5	179.4	175.7	(1)	(1)	(1)	8.6	8.5	8.5	27.4	25.1	25.6
64 Greenville—Spartanburg.....	269.7	262.9	262.6	(1)	(1)	(1)	16.8	15.6	15.7	103.6	96.7	96.2

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			
JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	
434.8	426.2	429.6	1,477.0	1,465.0	1,479.5	658.7	667.4	673.1	1,788.1	1,820.4	1,822.7	1,317.2	1,321.8	1,319.2	1
15.6	15.2	15.4	68.3	68.9	68.4	16.2	16.1	16.3	73.8	75.1	75.7	100.6	101.2	101.0	2
4.7	4.6	4.7	21.3	21.3	21.6	4.2	4.2	4.2	17.8	19.6	19.2	23.0	22.5	22.7	3
27.0	25.5	25.7	110.7	108.5	109.1	22.6	22.5	22.6	106.3	107.9	107.2	87.1	84.4	84.6	4
1.3	1.3	1.3	8.6	8.7	8.9	1.1	1.2	1.2	7.0	7.2	7.1	6.6	6.3	6.4	5
10.4	10.2	10.3	60.4	60.2	60.4	14.5	14.4	14.8	68.6	72.2	70.0	41.3	40.3	40.2	6
41.5	42.9	43.8	243.7	238.9	243.7	53.0	53.3	53.6	218.9	220.8	226.0	179.0	175.2	176.1	7
474.8	465.9	(*)	1,401.5	1,354.1	(*)	642.3	671.7	(*)	1,633.4	1,693.5	(*)	1,088.5	1,071.4	(*)	8
322.6	317.3	319.6	961.3	952.6	961.3	550.9	559.3	563.6	1,269.2	1,294.5	1,301.8	774.3	772.3	772.2	9
281.1	274.4	275.8	717.6	713.7	717.6	497.8	506.0	510.0	1,050.6	1,073.9	1,076.0	595.3	597.1	596.2	10
257.4	251.1	252.2	612.9	608.6	612.2	474.8	483.2	486.9	935.7	960.0	960.5	514.6	517.8	516.3	11
2.8	2.9	2.9	16.7	16.8	16.9	2.9	2.9	3.0	18.7	19.8	19.1	23.2	24.3	23.7	12
12.8	12.6	12.7	78.0	78.2	78.5	16.1	16.0	16.4	81.4	84.6	82.3	62.7	61.7	61.5	13
3.4	3.4	3.4	18.1	18.0	18.2	2.7	2.7	2.8	19.0	18.5	18.5	21.3	21.8	21.8	14
14.6	14.3	14.5	57.3	56.4	57.2	16.6	16.6	16.8	51.3	52.8	51.5	50.0	49.0	49.7	15
4.0	3.9	4.0	22.9	22.7	23.0	5.5	5.6	5.7	21.2	21.5	21.4	28.9	29.3	29.4	16
19.7	19.4	19.5	83.6	84.0	84.1	19.8	19.6	19.8	92.9	92.6	94.1	56.1	54.2	54.7	17
117.2	115.8	116.4	474.5	467.5	467.7	99.1	98.5	99.3	355.4	360.4	362.6	417.1	418.6	418.8	18
3.6	3.6	3.6	15.8	15.7	16.0	2.4	2.4	2.3	15.0	13.1	14.7	12.0	12.5	12.5	19
31.7	31.1	31.3	82.5	79.3	75.5	21.6	21.4	21.4	55.1	54.7	55.0	38.2	37.4	37.5	20
21.4	21.3	21.3	77.7	77.2	77.4	19.0	18.8	19.0	59.4	62.0	61.2	47.4	47.3	47.2	21
13.4	14.0	14.1	52.9	52.6	52.5	16.1	16.2	16.1	60.8	60.8	60.2	74.5	74.0	73.8	22
17.3	16.7	16.8	67.3	67.5	67.9	11.8	11.9	12.0	52.0	53.9	54.4	60.3	61.7	60.2	23
4.0	3.8	3.8	18.7	19.0	19.0	3.9	3.9	3.9	13.8	15.0	14.4	12.6	13.5	12.8	24
220.0	215.1	216.2	953.1	938.1	942.0	206.4	205.8	207.6	870.0	890.1	899.9	685.6	687.3	673.3	25
14.0	13.5	13.5	58.2	57.7	58.3	9.2	9.2	9.3	53.3	53.5	54.8	38.5	44.2	39.4	26
7.0	7.0	7.1	33.7	33.4	33.6	6.3	6.4	6.5	30.6	30.7	31.0	18.8	19.4	18.6	27
33.5	32.8	33.0	139.6	138.5	138.5	32.7	32.1	32.3	127.7	128.7	130.9	83.8	84.7	83.4	28
45.8	44.6	44.8	201.2	196.7	197.4	48.2	47.7	48.2	194.3	197.8	198.4	122.5	119.6	119.5	29
24.3	23.8	23.8	119.5	121.1	121.4	39.5	40.7	41.3	110.2	112.2	114.1	105.2	102.8	102.3	30
13.4	13.1	13.3	73.3	72.7	72.8	13.6	13.9	14.0	74.8	76.1	76.8	69.4	69.5	69.0	31
19.4	19.1	19.1	67.1	65.6	66.0	10.7	10.7	10.8	64.3	66.4	66.6	48.0	46.4	45.4	32
9.4	9.0	9.1	44.5	43.7	44.0	7.2	7.2	7.4	39.6	39.8	40.2	26.2	26.2	26.0	33
69.7	68.4	68.5	279.6	288.2	289.5	59.1	60.3	61.5	204.3	212.8	215.3	230.4	247.2	234.7	34
2.7	2.8	2.8	7.2	7.3	7.4	1.1	1.2	1.2	4.7	4.6	4.6	3.8	3.8	3.6	35
1.3	1.4	1.4	7.4	7.5	7.5	1.2	1.3	1.3	4.5	4.7	4.7	10.3	11.7	11.1	36
23.9	24.9	25.1	104.4	108.8	109.2	26.7	27.2	27.7	74.2	78.1	79.1	90.4	95.5	94.8	37
24.2	24.0	24.3	72.7	74.6	74.9	15.8	16.1	16.3	63.6	66.6	66.6	34.2	36.1	35.2	38
60.3	56.8	57.3	256.4	242.4	244.0	69.4	65.1	65.2	194.3	187.8	190.5	211.9	203.7	203.8	39
5.0	4.7	4.6	25.6	24.1	24.5	5.4	5.3	5.2	19.8	19.7	19.8	23.6	23.1	23.1	40
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
36.5	35.8	35.9	142.9	136.7	137.5	45.9	44.4	44.6	112.6	107.5	107.8	84.8	80.1	80.1	42
2.8	2.8	2.8	19.1	18.3	18.5	5.6	5.7	5.7	15.2	15.9	15.6	28.1	27.5	27.5	43
261.7	244.2	244.8	994.3	976.4	975.7	243.6	242.6	244.5	1,012.3	1,026.1	1,028.1	726.6	707.4	695.5	44
14.2	13.7	13.8	52.9	51.3	51.5	9.8	9.6	9.7	47.0	47.5	47.8	30.4	29.7	30.2	45
6.7	5.9	6.0	10.7	10.6	10.7	1.6	1.6	1.6	9.1	8.8	8.9	7.8	8.0	8.3	46
82.9	78.6	78.2	332.7	325.5	325.0	112.3	113.2	114.3	404.8	413.3	408.9	238.9	231.3	230.7	47
5.0	4.6	4.6	22.0	21.6	21.7	4.9	4.8	4.9	22.0	22.3	22.3	13.7	11.3	10.7	48
17.2	16.3	16.4	45.8	45.5	45.5	12.8	13.0	13.1	42.2	43.4	44.0	58.8	61.5	60.2	49
4.9	4.7	4.6	15.9	15.2	15.2	4.0	4.0	4.1	15.7	15.9	16.2	15.6	14.6	14.8	50
6.4	6.1	6.3	34.5	34.4	34.6	5.8	6.0	6.1	27.7	28.5	28.4	15.4	15.0	14.6	51
13.1	12.5	12.6	50.8	48.7	48.4	10.1	10.2	10.5	48.1	49.0	50.3	39.1	37.8	37.2	52
97.8	93.1	93.5	422.3	414.2	414.1	130.0	129.9	131.2	476.1	487.2	483.3	307.2	298.7	298.6	53
52.1	49.2	48.9	144.2	141.3	139.9	66.9	65.7	66.0	216.9	220.9	217.0	148.2	142.2	142.2	54
56.1	52.1	52.1	214.3	209.7	210.8	47.6	46.9	47.6	220.5	220.1	219.4	126.5	115.2	115.3	55
6.4	6.6	6.7	27.8	27.1	27.1	6.5	6.4	6.5	24.2	24.3	24.2	17.1	16.9	16.5	56
2.3	2.1	2.1	9.7	9.4	9.4	2.2	2.2	2.2	8.4	8.4	8.5	6.9	6.5	6.4	57
7.5	7.4	7.3	33.4	33.0	32.9	4.1	4.0	4.1	22.2	22.4	22.5	18.2	18.1	17.6	58
13.5	13.4	13.8	83.1	79.7	80.8	21.2	21.1	21.3	88.6	91.6	91.2	58.2	57.5	57.5	59
13.3	13.2	13.5	82.2	78.5	79.6	21.0	20.9	21.1	84.2	87.7	86.9	55.7	55.0	54.7	60
53.6	54.4	54.7	235.5	236.9	238.8	50.5	51.4	52.4	172.6	173.2	176.4	232.1	238.7	230.9	61
9.0	9.1	8.9	33.3	33.4	33.9	6.8	7.1	7.2	26.1	28.7	29.5	48.1	47.9	48.8	62
9.7	9.7	9.7	37.6	37.0	37.0	14.4	14.7	14.9	28.0	28.0	27.5	53.8	56.4	52.5	63
10.0	9.1	9.2	54.3	55.2	55.2	10.1	10.4	10.5	38.7	39.4	40.1	36.2	36.5	35.7	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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
1 SOUTH DAKOTA	244.2	235.4	237.1	3.0	2.8	1.6	11.7	8.6	9.7	26.3	25.5	25.2
2 Sioux Falls	54.9	56.0	56.5	(2)	(2)	(2)	2.6	2.3	2.6	7.4	7.7	7.4
3 TENNESSEE	1,757.8	1,728.1	1,724.4	10.1	10.7	11.1	79.2	83.1	83.9	514.7	479.2	481.8
4 Chattanooga	165.0	167.6	167.5	1.1	1.3	1.3	5.9	5.6	5.6	48.9	47.2	47.5
5 Knoxville	205.4	206.8	206.1	1.6	1.6	1.6	10.3	9.6	9.1	52.5	48.5	48.8
6 Memphis	356.5	352.0	350.7	.2	.2	.2	13.8	13.9	13.8	59.8	56.1	55.0
7 Nashville—Davidson	363.9	352.1	348.4	(1)	(1)	(1)	16.9	16.2	16.2	83.4	76.7	76.7
8 TEXAS	6,147.3	6,289.3	6,289.9	289.2	300.2	295.0	435.7	439.2	444.7	1,114.0	1,079.3	1,072.6
9 Dallas—Fort Worth	1,519.9	1,552.9	1,550.0	30.2	32.5	32.8	83.2	80.4	84.2	332.9	320.4	319.0
10 Houston	1,552.3	1,575.7	1,573.7	101.8	101.9	101.6	148.0	142.2	144.5	263.5	260.6	258.7
11 San Antonio	411.3	413.3	411.9	3.1	3.6	3.6	28.2	26.2	27.1	52.6	50.5	50.2
12 UTAH	560.4	562.0	565.0	20.4	19.4	19.4	29.7	26.5	28.1	90.5	87.9	88.7
13 Salt Lake City—Ogden	394.3	395.9	397.8	8.0	6.7	6.8	19.7	17.2	17.8	61.8	60.7	61.0
14 VERMONT	203.4	200.4	200.7	.7	.5	.6	11.9	9.9	10.8	51.8	49.1	49.2
15 Burlington	59.3	60.2	59.0	—	—	—	—	—	—	15.9	15.8	16.0
16 Springfield	14.9	13.8	13.9	—	—	—	—	—	—	6.2	5.3	5.2
17 VIRGINIA	2,187.1	2,165.8	2,180.7	22.4	23.7	23.0	121.2	107.2	108.7	413.2	396.7	397.5
18 Bristol	26.9	27.0	26.8	(1)	(1)	(1)	1.0	.7	.7	9.5	9.0	9.0
19 Lynchburg	70.3	69.0	69.1	(1)	(1)	(1)	2.9	2.5	2.5	28.6	27.0	27.0
20 Newport News—Hampton	154.3	153.1	155.8	(1)	(1)	(1)	6.9	6.4	6.4	34.7	34.4	34.9
21 Norfolk—Virginia Beach—Portsmouth	254.5	290.5	293.5	(1)	(1)	(1)	17.2	16.8	17.2	29.3	27.9	28.6
22 Northern Virginia ¹¹	472.0	473.3	477.5	.4	.3	.4	30.0	26.3	26.6	19.8	21.3	21.5
23 Petersburg—Colonial Hgts.—Hopewell	45.7	45.5	45.9	(1)	(1)	(1)	2.1	1.9	1.9	10.5	10.1	10.1
24 Richmond	331.4	328.2	329.4	.3	.3	.3	18.2	17.3	17.3	56.7	54.3	54.2
25 Roanoke	104.1	102.1	102.8	.2	.2	.2	5.1	4.4	4.5	21.4	20.2	19.8
26 WASHINGTON	1,628.5	1,566.8	1,578.0	3.3	3.1	3.2	93.7	75.4	76.1	307.1	289.2	290.4
27 Seattle—Everett	784.3	758.7	(*)	(1)	(1)	(*)	38.1	32.9	(*)	169.5	162.2	(*)
28 Spokane	128.2	121.5	(*)	(1)	(1)	(*)	6.5	4.9	(*)	16.9	14.7	(*)
29 Tacoma	142.8	138.4	(*)	(1)	(1)	(*)	7.0	6.1	(*)	22.9	21.2	(*)
30 WEST VIRGINIA	627.9	609.2	606.1	57.4	63.0	62.3	31.1	23.1	22.7	112.7	100.7	99.9
31 Charleston	112.2	110.1	110.2	6.2	6.8	6.8	6.3	4.6	4.7	17.0	16.5	16.5
32 Huntington—Ashland	101.0	101.0	99.7	1.2	1.2	1.2	5.3	3.7	3.8	23.5	23.5	22.9
33 Parkersburg—Marletta	59.4	56.5	55.3	1.4	1.4	1.4	3.4	2.6	1.5	17.1	15.3	15.3
34 Wheeling	65.5	62.6	62.4	4.6	4.7	4.8	2.9	2.1	2.2	12.2	10.2	10.0
35 WISCONSIN	1,937.4	1,875.1	1,879.4	2.6	1.9	2.0	63.8	54.2	55.1	549.8	492.6	493.0
36 Appleton—Oshkosh	126.6	121.0	121.5	(1)	(1)	(1)	5.0	4.7	4.5	47.2	42.1	43.2
37 Eau Claire	48.2	48.1	47.3	(1)	(1)	(1)	1.5	1.1	1.1	9.4	8.7	9.0
38 Green Bay	79.4	77.9	78.4	(1)	(1)	(1)	3.4	3.1	3.1	22.1	20.9	21.1
39 Janesville—Beloit	53.0	48.9	49.7	(1)	(1)	(1)	1.3	1.1	1.1	20.7	16.6	17.7
40 Kenosha	42.9	40.0	37.1	(1)	(1)	(1)	1.6	1.8	1.6	16.5	14.2	11.6
41 La Crosse	45.1	45.5	45.2	(1)	(1)	(1)	1.4	1.3	1.2	10.5	10.0	10.2
42 Madison	165.0	169.6	167.8	(1)	(1)	(1)	6.1	5.4	5.5	20.6	19.1	19.7
43 Milwaukee	663.4	634.9	636.9	(1)	(1)	(1)	18.1	15.3	15.6	198.2	173.9	172.4
44 Racine	68.6	62.4	62.5	(1)	(1)	(1)	1.8	1.6	1.5	28.3	23.7	23.5
45 WYOMING	222.8	218.9	221.3	38.8	40.1	41.5	20.0	17.2	18.6	10.2	10.0	10.4
46 Casper	40.9	40.8	41.2	8.1	7.3	7.2	3.6	3.5	4.0	2.0	1.6	1.6
47 Cheyenne	31.8	29.9	29.9	(1)	(1)	(1)	2.0	1.5	1.5	1.4	1.3	1.3
48 PUERTO RICO	(*)	(*)	(*)	.8	.8	.7	35.1	23.8	23.2	(*)	(*)	(*)
49 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	2.8	1.4	1.6	(*)	(*)	(*)
52 San Juan	(*)	(*)	(*)	(1)	(1)	(1)	24.5	18.0	17.3	(*)	(*)	(*)
53 VIRGIN ISLANDS	37.9	35.0	34.8	(2)	(2)	(2)	3.9	2.7	2.8	3.3	2.7	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			
JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	
12.9	12.9	12.6	65.6	64.5	65.3	11.4	11.3	11.4	53.0	51.0	51.8	60.3	58.8	59.5	1
4.6	4.6	4.5	15.7	16.1	16.1	3.4	3.4	3.4	14.0	14.9	14.7	7.2	7.0	7.8	2
86.5	84.0	82.0	370.5	367.0	367.4	78.8	76.6	77.1	312.4	327.0	332.7	305.6	300.5	288.4	3
7.8	7.6	7.6	34.3	34.0	33.7	9.8	9.9	9.9	29.4	29.5	29.4	31.8	32.5	32.5	4
8.4	7.9	7.9	42.8	45.8	45.7	8.6	8.9	8.9	33.5	36.4	36.5	47.7	48.1	47.6	5
27.7	26.3	26.3	96.5	95.9	95.7	20.2	19.9	20.1	75.3	76.8	77.6	63.0	62.9	62.0	6
19.9	19.6	19.5	82.1	77.5	77.8	24.8	23.7	23.9	76.8	77.1	76.3	60.0	60.9	58.0	7
385.8	392.1	389.7	1,505.4	1,574.1	1,580.3	348.0	356.4	361.1	1,088.1	1,129.7	1,130.6	981.1	1,018.3	1,015.9	8
99.4	100.7	96.3	399.9	413.8	416.3	115.3	119.6	121.2	279.1	299.1	301.4	179.9	186.4	178.8	9
108.8	109.6	108.2	372.0	380.1	379.4	93.4	97.2	98.3	301.7	311.9	312.9	163.1	172.2	170.1	10
19.0	19.3	19.1	103.8	103.2	103.8	27.4	28.0	28.3	83.8	85.8	84.9	93.4	96.7	94.9	11
34.8	36.4	36.9	130.8	129.4	130.5	26.6	26.9	27.1	102.9	106.4	107.9	124.6	129.1	126.3	12
27.0	28.1	28.5	97.0	95.8	96.7	21.3	21.8	22.1	71.3	73.9	74.7	88.1	91.5	90.3	13
8.7	8.6	8.7	42.5	42.8	43.1	8.3	8.3	8.4	43.4	44.1	43.7	36.1	37.1	36.2	14
2.4	2.3	2.3	12.2	12.6	12.2	-	-	-	12.0	12.8	12.1	-	-	-	15
.6	.7	.7	2.3	2.2	2.2	-	-	-	2.6	2.5	2.6	-	-	-	16
118.0	118.3	119.2	464.5	473.5	477.2	107.6	106.2	107.1	424.7	425.8	431.3	515.6	513.8	516.6	17
1.1	1.1	1.1	6.3	6.8	6.9	.9	.9	.9	3.3	3.5	3.4	4.9	4.9	4.7	18
2.7	2.7	2.7	12.1	12.2	12.2	3.3	3.3	3.3	10.6	11.3	11.4	10.0	10.1	10.0	19
4.8	5.3	5.4	29.1	29.4	29.7	5.0	4.9	5.2	32.4	31.5	32.6	41.3	41.1	41.7	20
20.1	20.2	20.3	71.3	70.6	71.6	15.2	15.1	15.2	60.3	60.4	61.2	81.0	79.5	79.4	21
32.4	32.0	32.5	112.4	114.9	115.1	29.6	29.2	29.8	126.7	127.8	128.7	120.6	121.6	122.8	22
1.3	1.2	1.2	9.0	9.3	9.4	1.2	1.2	1.2	6.8	7.1	7.1	14.7	14.8	15.0	23
19.8	19.8	20.0	76.4	77.5	77.6	26.6	26.3	26.4	61.5	61.5	62.2	71.8	71.2	71.5	24
9.2	9.8	9.8	25.1	25.2	25.6	6.2	6.0	6.0	21.0	21.0	21.2	16.0	15.3	15.7	25
90.9	85.8	86.3	385.9	380.9	384.7	91.6	92.0	92.3	319.6	317.5	320.5	336.4	322.9	324.5	26
51.9	50.4	(*)	186.9	185.6	(*)	57.2	58.0	(*)	157.4	153.4	(*)	123.3	116.2	(*)	27
8.4	7.7	(*)	35.3	33.8	(*)	7.8	7.8	(*)	30.2	30.3	(*)	23.1	22.3	(*)	28
6.5	6.1	(*)	34.3	32.9	(*)	7.0	6.9	(*)	31.3	31.7	(*)	33.8	33.5	(*)	29
40.3	41.8	42.0	131.8	129.4	129.4	22.2	22.0	22.1	102.8	102.3	101.4	129.6	127.0	126.4	30
9.5	9.4	9.4	26.3	26.3	26.2	5.2	5.2	5.2	21.3	21.2	21.2	20.5	20.2	20.3	31
8.8	9.9	9.9	24.4	24.1	24.0	3.8	3.6	3.6	15.7	16.0	16.0	18.3	19.0	18.0	32
2.5	2.4	2.4	13.2	13.0	13.1	2.1	2.0	2.0	10.0	10.0	9.9	9.8	9.8	9.8	33
3.6	3.6	3.6	15.3	15.2	15.3	2.8	2.8	2.8	14.2	14.3	14.2	9.9	9.5	9.6	34
91.5	88.8	88.2	436.8	431.5	434.8	97.0	97.0	98.2	379.3	382.4	387.8	316.7	326.7	320.5	35
4.2	4.4	4.3	26.1	25.5	25.3	5.6	5.7	5.8	21.5	21.9	22.2	17.0	16.8	16.2	36
2.7	2.6	2.7	12.7	13.0	12.6	1.7	1.7	1.7	10.1	9.7	10.0	10.1	11.2	10.3	37
6.1	6.1	6.2	19.9	19.4	19.6	2.6	2.5	2.6	15.0	15.6	15.6	10.4	10.2	10.3	38
2.2	2.5	2.5	11.3	11.0	11.0	1.4	1.4	1.4	9.0	9.0	9.0	7.0	7.3	7.0	39
1.3	1.2	1.2	8.5	8.1	8.2	1.0	1.0	1.0	7.7	7.8	7.5	6.3	6.0	6.0	40
2.3	2.0	1.9	11.8	12.0	11.8	1.1	1.2	1.1	11.1	11.6	11.7	6.9	7.5	7.2	41
6.3	6.4	6.3	35.7	36.7	36.6	13.7	13.8	14.0	32.6	33.4	33.5	54.1	54.7	52.1	42
34.1	33.1	33.0	142.1	139.0	139.7	40.7	41.0	41.3	146.5	147.6	148.9	83.7	85.0	86.0	43
2.3	2.4	2.3	13.4	12.8	13.0	2.3	2.3	2.3	11.6	11.1	11.1	8.8	8.6	8.8	44
18.4	17.8	17.7	50.1	49.8	49.8	7.5	7.5	7.4	35.4	32.7	33.5	42.4	43.8	42.4	45
2.9	2.6	2.5	11.1	11.3	11.1	1.8	1.8	1.8	5.8	6.0	5.9	5.6	6.7	7.1	46
4.8	4.2	4.0	7.1	7.2	7.2	1.6	1.5	1.5	5.7	5.2	5.3	9.2	9.0	9.1	47
16.1	16.1	15.0	113.8	105.7	103.2	28.3	27.9	28.3	83.2	81.9	79.9	244.2	245.1	245.1	48
(*)	(*)	(*)	6.0	4.7	4.6	(*)	(*)	(*)	(*)	(*)	(*)	13.8	9.9	9.9	49
(*)	(*)	(*)	5.6	5.5	5.5	(*)	(*)	(*)	(*)	(*)	(*)	13.1	13.6	13.6	50
(*)	(*)	(*)	7.9	6.8	6.5	(*)	(*)	(*)	6.8	6.7	6.7	17.8	17.1	17.1	51
14.4	12.9	11.9	71.0	66.8	65.2	21.3	21.0	21.2	56.1	58.4	56.8	128.6	120.3	120.5	52
2.1	2.0	1.9	7.7	7.4	7.0	1.7	1.6	1.6	5.8	5.6	5.5	13.5	13.0	13.3	53

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
-	TOTAL PRIVATE	\$254.88	\$257.74	\$265.52	\$267.05	\$269.98	\$7.20	\$7.24	\$7.63	\$7.63	\$7.67
-	MINING	420.04	439.92	454.12	462.01	466.98	9.93	10.09	10.66	10.82	10.86
10	METAL MINING	467.41	468.64	485.10	487.91	-	11.29	11.60	12.25	12.29	-
101	Iron ores	508.04	495.46	516.90	564.59	-	11.87	11.91	13.22	13.13	-
102	Copper ores	481.82	495.97	470.76	461.07	-	11.61	11.98	12.04	12.23	-
11, 12	COAL MINING	413.77	484.01	496.90	515.84	-	11.89	-	12.33	12.80	-
12	BITUMINOUS COAL AND LIGNITE MINING	414.67	486.01	498.51	517.45	-	11.95	-	12.37	12.84	-
13	OIL AND GAS EXTRACTION	427.14	431.80	447.34	451.73	-	9.45	9.49	10.19	10.29	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	443.64	450.01	477.05	477.77	-	10.69	10.74	11.75	11.71	-
138	Oil and gas field services	421.31	426.82	436.95	443.33	-	9.08	9.12	9.71	9.83	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	354.32	362.32	377.97	383.21	-	8.24	8.31	8.79	8.85	-
142	Crushed and broken stone	343.94	350.32	372.34	379.68	-	7.98	7.98	8.54	8.59	-
-	CONSTRUCTION	395.81	407.86	429.75	427.88	437.76	10.64	10.79	11.46	11.41	11.52
15	GENERAL BUILDING CONTRACTORS	350.30	360.39	376.98	379.70	-	9.65	9.82	10.30	10.29	-
152	Residential building construction	319.85	327.25	349.16	351.66	-	8.86	9.04	9.54	9.53	-
153	Operative builders	303.00	314.71	315.02	306.18	-	8.44	8.46	8.29	8.10	-
154	Nonresidential building construction	381.84	396.55	407.72	411.06	-	10.49	10.66	11.14	11.17	-
16	HEAVY CONSTRUCTION CONTRACTORS	406.02	425.60	464.62	459.72	-	10.10	10.33	11.36	11.24	-
161	Highway and street construction	389.57	417.73	401.13	423.69	-	9.41	9.76	9.88	10.04	-
162	Heavy construction, except highway	412.24	429.71	488.35	473.53	-	10.41	10.61	11.94	11.75	-
17	SPECIAL TRADE CONTRACTORS	414.60	423.20	437.53	435.96	-	11.39	11.50	12.02	12.01	-
171	Plumbing, heating, air conditioning	427.89	441.18	451.98	446.49	-	11.38	11.61	12.15	12.10	-
172	Painting, paper hanging, decorating	367.50	372.40	383.60	385.00	-	10.47	10.49	10.96	11.00	-
173	Electrical work	494.25	498.35	513.38	521.29	-	13.11	13.08	13.51	13.54	-
174	Masonry, stonework, and plastering	379.97	381.35	402.52	403.86	-	10.95	10.99	11.60	11.74	-
175	Carpentering and flooring	359.31	357.74	377.57	377.06	-	10.15	10.28	11.04	11.09	-
176	Roofing and sheet metal work	337.34	354.58	357.68	353.51	-	10.01	10.16	10.52	10.49	-
-	MANUFACTURING	320.39	317.59	329.55	334.05	332.60	7.97	8.02	8.45	8.50	8.55
24, 25, 32-39	DURABLE GOODS	346.72	342.80	355.90	360.59	356.72	8.54	8.57	9.01	9.06	9.10
20-23, 26-31	NONDURABLE GOODS	281.64	282.30	294.14	298.38	300.31	7.13	7.22	7.66	7.71	7.78
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	280.06	276.71	285.29	294.06	291.85	7.09	7.15	7.41	7.54	7.62
241	Logging camps and logging contractors	371.20	370.60	385.32	406.45	-	9.35	9.43	10.14	10.64	-
242	Sawmills and planing mills	291.27	289.30	296.82	305.29	-	7.30	7.38	7.65	7.69	-
2421	Sawmills and planing mills, general	306.83	304.97	312.76	322.79	-	7.69	7.76	8.04	8.09	-
2426	Hardwood dimension and flooring	201.20	200.55	205.11	206.84	-	5.03	5.09	5.30	5.29	-
243	Millwork, plywood, and structural members	276.11	268.42	278.69	285.09	-	6.99	6.99	7.22	7.31	-
2431	Millwork	277.29	270.72	289.30	302.19	-	7.02	7.05	7.38	7.48	-
2434	Wood kitchen cabinets	244.68	227.79	253.88	249.75	-	6.29	6.19	6.77	6.66	-
2435	Hardwood veneer and plywood	228.67	215.99	216.40	220.42	-	5.51	5.51	5.74	5.74	-
2436	Softwood veneer and plywood	339.89	338.72	336.08	340.61	-	8.76	8.73	8.53	8.87	-
244	Wood containers	212.22	202.75	212.01	210.69	-	5.40	5.28	5.55	5.53	-
245	Wood buildings and mobile homes	244.60	241.24	251.54	249.38	-	6.54	6.52	6.69	6.65	-
2451	Mobile homes	242.90	245.70	253.27	248.35	-	6.46	6.50	6.63	6.57	-
249	Miscellaneous wood products	236.19	231.43	243.36	246.64	-	5.89	5.98	6.24	6.26	-
25	FURNITURE AND FIXTURES	229.51	223.78	231.76	238.77	235.21	5.90	5.92	6.23	6.30	6.34
251	Household furniture	211.53	204.78	209.30	215.76	-	5.48	5.49	5.75	5.80	-
2511	Wood household furniture	197.46	192.78	190.80	196.14	-	5.05	5.10	5.30	5.33	-
2512	Upholstered household furniture	220.13	212.07	219.56	228.16	-	5.87	5.81	6.15	6.20	-
2514	Metal household furniture	231.60	221.54	234.69	234.70	-	5.79	5.83	6.08	6.16	-
2515	Mattresses and bedspreads	229.52	220.93	234.68	242.79	-	6.04	6.02	6.36	6.44	-
252	Office furniture	254.16	247.11	260.74	264.99	-	6.37	6.32	6.79	6.76	-
253	Public building and related furniture	269.18	264.26	277.80	285.82	-	6.63	6.59	6.98	7.11	-
254	Partitions and fixtures	276.19	273.98	288.04	297.97	-	7.10	7.21	7.58	7.66	-
259	Miscellaneous furniture and fixtures	259.23	261.32	264.13	273.44	-	6.63	6.77	6.79	6.94	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
-	TOTAL PRIVATE	35.4	35.6	34.8	35.0	35.2	-	-	-	-	-
-	MINING	42.3	43.6	42.6	42.7	43.0	-	-	-	-	-
10	METAL MINING	41.4	40.4	39.6	39.7	-	-	-	-	-	-
101	Iron ores	42.8	41.6	39.1	43.0	-	-	-	-	-	-
102	Copper ores	41.5	41.4	39.1	37.7	-	-	-	-	-	-
11, 12	COAL MINING	34.8	-	40.3	40.3	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	34.7	-	40.3	40.3	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.2	45.5	43.9	43.9	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.5	41.9	40.6	40.8	-	-	-	-	-	-
138	Oil and gas field services	46.4	46.8	45.0	45.1	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.0	43.6	43.0	43.3	-	-	-	-	-	-
142	Crushed and broken stone	43.1	43.9	43.6	44.2	-	-	-	-	-	-
-	CONSTRUCTION	37.2	37.8	37.5	37.5	38.0	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	36.3	36.7	36.6	36.9	-	-	-	-	-	-
152	Residential building construction	36.1	36.2	36.6	36.9	-	-	-	-	-	-
153	Operative builders	35.9	37.2	38.0	37.8	-	-	-	-	-	-
154	Nonresidential building construction	36.4	37.2	36.6	36.8	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	40.2	41.2	40.9	40.9	-	-	-	-	-	-
161	Highway and street construction	41.4	42.8	40.6	42.2	-	-	-	-	-	-
162	Heavy construction, except highway	39.6	40.5	40.9	40.3	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	36.4	36.8	36.4	36.3	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.6	38.0	37.2	36.9	-	-	-	-	-	-
172	Painting, paper hanging, decorating	35.1	35.5	35.0	35.0	-	-	-	-	-	-
173	Electrical work	37.7	38.1	38.0	38.5	-	-	-	-	-	-
174	Masonry, stonework, and plastering	34.7	34.7	34.7	34.4	-	-	-	-	-	-
175	Carpentering and flooring	35.4	34.8	34.2	34.0	-	-	-	-	-	-
176	Roofing and sheet metal work	33.7	34.9	34.0	33.7	-	-	-	-	-	-
-	MANUFACTURING	40.2	39.6	39.0	39.3	38.9	3.0	2.8	2.2	2.4	2.3
24, 25, 32-39	DURABLE GOODS	40.6	40.0	39.5	39.8	39.2	3.0	2.8	2.1	2.3	2.1
20-23, 26-31	NONDURABLE GOODS	39.5	39.1	38.4	38.7	38.6	2.9	2.8	2.4	2.5	2.5
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.5	38.7	38.5	39.0	38.3	2.8	2.7	2.3	2.6	-
241	Logging camps and logging contractors	39.7	39.3	38.0	38.2	-	3.8	3.9	3.0	3.3	-
242	Sawmills and planing mills	39.9	39.2	38.8	39.7	-	3.2	3.2	2.9	3.2	-
2421	Sawmills and planing mills, general	39.9	39.3	38.9	39.9	-	3.3	3.4	3.2	3.4	-
2426	Hardwood dimension and flooring	40.0	39.4	38.7	39.1	-	2.6	2.2	1.7	2.2	-
243	Millwork, plywood, and structural members	39.5	38.4	38.6	39.0	-	2.5	2.0	1.8	2.3	-
2431	Millwork	39.5	38.4	39.2	40.4	-	1.9	1.3	1.4	2.1	-
2434	Wood kitchen cabinets	38.9	36.8	37.5	37.5	-	1.8	1.2	1.2	2.2	-
2435	Hardwood veneer and plywood	41.5	39.2	37.7	38.4	-	3.7	3.0	2.1	2.2	-
2436	Softwood veneer and plywood	38.8	38.8	39.4	38.4	-	3.1	3.1	2.7	2.8	-
244	Wood containers	39.3	38.4	38.2	38.1	-	2.5	2.1	2.0	1.8	-
245	Wood buildings and mobile homes	37.4	37.0	37.6	37.5	-	1.7	1.8	1.6	1.6	-
2451	Mobile homes	37.6	37.8	38.2	37.8	-	1.2	1.4	1.7	1.7	-
249	Miscellaneous wood products	40.1	38.7	39.0	39.4	-	2.8	2.5	2.0	2.2	-
25	FURNITURE AND FIXTURES	38.9	37.8	37.2	37.9	37.1	2.0	1.7	1.3	1.5	-
251	Household furniture	38.6	37.3	36.4	37.2	-	1.8	1.5	1.1	1.2	-
2511	Wood household furniture	39.1	37.8	36.0	36.8	-	1.9	1.7	1.2	1.3	-
2512	Upholstered household furniture	37.5	36.5	35.7	36.8	-	1.3	1.0	.6	.8	-
2514	Metal household furniture	40.0	38.0	38.6	38.1	-	2.9	2.1	2.2	1.8	-
2515	Mattresses and bedsprings	38.0	36.7	36.9	37.7	-	1.8	1.8	1.3	1.4	-
252	Office furniture	39.9	39.1	38.4	39.2	-	2.7	2.2	1.9	2.0	-
253	Public building and related furniture	40.6	40.1	39.8	40.2	-	2.5	2.3	1.5	2.4	-
254	Partitions and fixtures	38.9	38.0	38.0	38.9	-	2.4	2.4	1.6	2.3	-
259	Miscellaneous furniture and fixtures	39.1	38.6	38.9	39.4	-	1.5	1.6	1.6	1.8	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	\$342.37	\$342.72	\$355.52	\$361.49	\$362.15	\$8.31	\$8.40	\$8.80	\$8.86	\$8.92
321	Flat glass	483.76	442.57	500.26	531.78	-	11.07	10.69	11.58	11.95	-
322	Glass and glassware, pressed or blown	360.67	356.17	380.43	386.11	-	8.84	8.86	9.44	9.51	-
3221	Glass containers	387.09	376.00	408.70	409.12	-	9.35	9.33	9.92	9.93	-
3229	Pressed and blown glass, nec	322.79	327.62	337.26	349.27	-	8.09	8.17	8.67	8.82	-
323	Products of purchased glass	295.47	293.88	319.20	320.36	-	7.35	7.44	7.96	7.91	-
324	Cement, hydraulic	476.35	499.56	513.36	514.18	-	11.59	11.81	12.43	12.48	-
325	Structural clay products	270.80	273.76	288.72	282.03	-	6.67	6.81	7.20	7.14	-
326	Pottery and related products	268.62	264.50	281.78	287.08	-	6.87	6.87	7.30	7.38	-
327	Concrete, gypsum, and plaster products	344.40	351.10	351.82	362.88	-	8.20	8.32	8.56	8.64	-
3271	Concrete block and brick	314.49	319.60	326.40	339.21	-	7.47	7.52	7.68	7.78	-
3272	Concrete products, nec	307.94	313.11	318.66	326.21	-	7.28	7.35	7.66	7.73	-
3273	Ready-mixed concrete	373.27	381.20	380.15	393.46	-	9.06	9.23	9.48	9.55	-
329	Misc. nonmetallic mineral products	339.49	337.81	339.77	344.27	-	8.22	8.30	8.58	8.65	-
3291	Abrasive products	320.33	321.99	323.47	323.76	-	7.89	8.07	8.49	8.52	-
3292	Asbestos products	354.05	348.14	339.99	349.27	-	8.37	8.45	8.74	8.91	-
33	PRIMARY METAL INDUSTRIES	439.68	434.43	430.11	440.35	439.67	10.75	10.78	11.23	11.32	11.42
331	Blast furnace and basic steel products	505.51	498.08	490.87	505.39	-	12.39	12.39	13.16	13.23	-
3312	Blast furnaces and steel mills	521.24	514.00	507.38	524.16	-	12.87	12.85	13.75	13.83	-
3317	Steel pipe and tubes	427.38	422.30	409.55	421.19	-	10.20	10.30	10.61	10.69	-
332	Iron and steel foundries	365.48	357.63	349.85	362.84	-	9.16	9.10	9.43	9.65	-
3321	Gray iron foundries	377.20	366.67	356.16	367.58	-	9.43	9.33	9.60	9.75	-
3322	Malleable iron foundries	379.06	374.02	387.28	380.36	-	9.67	9.74	10.30	10.28	-
3325	Steel foundries, nec	343.31	337.79	330.30	353.06	-	8.54	8.53	9.00	9.44	-
333	Primary nonferrous metals	491.47	511.60	513.48	522.86	-	11.90	12.21	12.71	12.91	-
3334	Primary aluminum	522.34	542.41	547.29	556.07	-	12.74	13.07	13.48	13.73	-
335	Nonferrous rolling and drawing	410.31	401.86	409.64	414.93	-	9.70	9.66	10.19	10.22	-
3351	Copper rolling and drawing	366.37	355.66	354.12	355.71	-	8.58	8.57	8.92	8.96	-
3353	Aluminum sheet, plate, and foil	535.82	527.88	562.66	552.97	-	12.49	12.45	13.69	13.52	-
3357	Nonferrous wire drawing and insulating	368.26	363.26	370.40	381.77	-	8.81	8.86	9.26	9.38	-
336	Nonferrous foundries	323.58	315.20	331.30	336.54	-	7.97	8.00	8.43	8.52	-
3361	Aluminum foundries	329.67	323.53	338.77	349.20	-	8.14	8.17	8.62	8.73	-
34	FABRICATED METAL PRODUCTS	335.78	327.58	346.33	349.27	343.49	8.23	8.21	8.79	8.82	8.83
341	Metal cans and shipping containers	478.51	479.83	502.55	515.48	-	10.90	10.93	11.66	11.85	-
3411	Metal cans	496.57	500.59	524.36	541.29	-	11.26	11.30	12.11	12.33	-
342	Cutlery, hand tools, and hardware	315.21	311.66	325.40	327.86	-	7.90	7.89	8.43	8.45	-
3423, 5	Hand and edge tools, and hand saws and blades	298.28	290.55	295.91	292.15	-	7.42	7.45	7.87	7.77	-
3429	Hardware, nec	331.89	317.49	347.49	352.52	-	8.36	8.12	8.91	8.97	-
343	Plumbing and heating, except electric	287.89	280.62	296.42	299.89	-	7.27	7.27	7.78	7.83	-
3432	Plumbing fittings and brass goods	282.40	275.52	286.50	282.34	-	6.99	6.94	7.50	7.43	-
3433	Heating equipment, except electric	283.42	273.35	299.52	309.62	-	7.23	7.27	7.80	7.98	-
344	Fabricated structural metal products	317.58	320.00	335.23	338.98	-	7.90	8.00	8.53	8.56	-
3441	Fabricated structural metal	335.79	344.81	356.40	358.75	-	8.19	8.41	8.91	8.88	-
3442	Metal doors, sash, and trim	252.41	251.02	265.67	265.16	-	6.39	6.42	6.76	6.73	-
3443	Fabricated plate work (boiler shops)	351.65	351.48	372.72	380.25	-	8.64	8.70	9.46	9.53	-
3444	Sheet metal work	318.75	320.23	334.95	340.17	-	8.09	8.19	8.70	8.79	-
3446	Architectural metal work	292.47	295.66	316.74	316.57	-	7.33	7.41	8.08	8.18	-
345	Screw machine products, bolts, etc.	315.29	309.91	316.29	317.46	-	7.69	7.69	8.11	8.14	-
3451	Screw machine products	286.22	283.77	291.75	291.80	-	7.12	7.13	7.50	7.54	-
3452	Bolts, nuts, rivets, and washers	341.94	334.56	340.17	342.30	-	8.20	8.20	8.70	8.71	-
346	Metal forgings and stampings	403.37	377.06	404.81	408.85	-	9.65	9.45	10.07	10.12	-
3462	Iron and steel forgings	413.11	393.57	419.43	427.12	-	10.15	10.04	10.81	10.98	-
3465	Automotive stampings	510.12	464.02	497.35	499.80	-	11.62	11.29	11.73	11.76	-
3469	Metal stampings, nec	292.58	286.94	301.82	304.58	-	7.26	7.32	7.86	7.85	-
347	Metal services, nec	264.31	262.35	270.82	271.44	-	6.51	6.51	6.98	6.96	-
3471	Plating and polishing	255.27	254.87	265.87	266.37	-	6.43	6.42	6.87	6.83	-
3479	Metal coating and allied services	284.33	279.39	281.64	282.80	-	6.69	6.70	7.24	7.27	-
348	Ordnance and accessories, nec	331.30	316.37	362.56	361.49	-	8.14	8.05	8.93	8.97	-
3483	Ammunition, exc. for small arms, nec	294.08	280.48	329.67	328.40	-	7.56	7.42	8.14	8.21	-
349	Misc. fabricated metal products	310.27	301.86	318.45	320.49	-	7.68	7.74	8.25	8.26	-
3494	Valves and pipe fittings	329.27	320.15	337.36	338.30	-	8.13	8.23	8.74	8.81	-
3496	Misc. fabricated wire products	275.52	264.10	273.74	278.64	-	6.72	6.72	7.11	7.09	-
35	MACHINERY, EXCEPT ELECTRICAL	361.27	357.62	367.62	369.34	367.06	8.79	8.83	9.26	9.28	9.34
351	Engines and turbines	440.78	445.94	434.95	436.89	-	10.83	10.93	11.21	11.26	-
3511	Turbines and turbine generator sets	395.11	390.39	418.08	419.69	-	9.78	10.01	10.40	10.44	-
3519	Internal combustion engines, nec	458.18	467.71	443.50	444.63	-	11.23	11.27	11.61	11.67	-
352	Farm and garden machinery	400.77	402.38	406.21	414.22	-	9.92	9.96	10.31	10.46	-
3523	Farm machinery and equipment	413.91	413.91	434.32	436.00	-	10.22	10.22	10.94	11.01	-
353	Construction and related machinery	397.57	392.76	403.35	401.58	-	9.58	9.65	10.16	10.09	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	41.2	40.8	40.4	40.8	40.6	4.1	4.1	3.5	3.7	-
321	Flat glass	43.7	41.4	43.2	44.5	-	5.1	4.0	4.1	4.8	-
322	Glass and glassware, pressed or blown	40.8	40.2	40.3	40.6	-	4.2	4.3	4.0	4.0	-
3221	Glass containers	41.4	40.3	41.2	41.2	-	4.7	4.7	4.8	4.5	-
3229	Pressed and blown glass, nec	39.9	40.1	38.9	39.6	-	3.5	3.7	2.7	3.1	-
323	Products of purchased glass	40.2	39.5	40.1	40.5	-	3.2	3.1	2.9	2.9	-
324	Cement, hydraulic	41.1	42.3	41.3	41.2	-	3.1	3.3	2.5	2.5	-
325	Structural clay products	40.6	40.2	40.1	39.5	-	3.0	3.1	2.4	2.4	-
326	Pottery and related products	39.1	38.5	38.6	38.9	-	1.8	1.6	1.7	1.6	-
327	Concrete, gypsum, and plaster products	42.0	42.2	41.1	42.0	-	5.3	5.4	4.8	5.3	-
3271	Concrete block and brick	42.1	42.5	42.5	43.6	-	4.8	5.0	4.9	5.4	-
3272	Concrete products, nec	42.3	42.6	41.6	42.2	-	4.8	4.8	4.4	4.7	-
3273	Ready-mixed concrete	41.2	41.3	40.1	41.2	-	5.6	5.6	5.1	5.7	-
329	Misc. nonmetallic mineral products	41.3	40.7	39.6	39.8	-	3.6	3.6	2.4	2.6	-
3291	Abrasive products	40.6	39.9	38.1	38.0	-	3.1	2.7	1.4	1.2	-
3292	Asbestos products	42.3	41.2	38.9	39.2	-	3.6	3.4	1.9	2.0	-
33	PRIMARY METAL INDUSTRIES	40.9	40.3	38.3	38.9	38.5	3.3	3.1	1.9	2.1	-
331	Blast furnace and basic steel products	40.8	40.2	37.3	38.2	-	3.0	2.8	1.2	1.4	-
3312	Blast furnaces and steel mills	40.5	40.0	36.9	37.9	-	2.8	2.7	1.2	1.4	-
3317	Steel pipe and tubes	41.9	41.0	38.6	39.4	-	4.4	4.2	1.7	1.6	-
332	Iron and steel foundries	39.9	39.3	37.1	37.6	-	3.2	2.8	1.9	2.1	-
3321	Gray iron foundries	40.0	39.3	37.1	37.7	-	3.6	3.2	2.2	2.4	-
3322	Malleable iron foundries	39.2	38.4	37.6	37.0	-	2.6	2.4	1.9	2.0	-
3325	Steel foundries, nec	40.2	39.6	36.7	37.4	-	2.6	2.2	1.3	1.3	-
333	Primary nonferrous metals	41.3	41.9	40.4	40.5	-	3.3	3.6	2.5	3.0	-
3334	Primary aluminum	41.0	41.5	40.6	40.5	-	3.5	3.8	3.1	3.7	-
335	Nonferrous rolling and drawing	42.3	41.6	40.2	40.6	-	4.7	4.3	2.9	3.2	-
3351	Copper rolling and drawing	42.7	41.5	39.7	39.7	-	4.9	4.5	2.6	2.7	-
3353	Aluminum sheet, plate and foil	42.9	42.4	41.1	40.9	-	6.0	5.5	4.4	4.4	-
3357	Nonferrous wire drawing and insulating	41.8	41.0	40.0	40.7	-	4.7	4.4	2.7	3.3	-
336	Nonferrous foundries	40.6	39.4	39.3	39.5	-	2.7	2.3	1.9	2.0	-
3361	Aluminum foundries	40.5	39.6	39.3	40.0	-	2.9	2.8	1.9	2.0	-
34	FABRICATED METAL PRODUCTS	40.8	39.9	39.4	39.6	38.9	3.1	2.7	2.1	2.2	-
341	Metal cans and shipping containers	43.9	43.9	43.1	43.5	-	4.9	4.7	4.0	4.6	-
3411	Metal cans	44.1	44.3	43.3	43.9	-	4.7	4.6	4.0	4.6	-
342	Cutlery, hand tools, and hardware	39.9	39.5	38.6	38.8	-	2.6	2.0	1.4	1.4	-
3423, 5	Hand and edge tools, and hand saws and blades	40.2	39.0	37.6	37.6	-	2.5	2.2	1.0	.8	-
3429	Hardware, nec	39.7	39.1	39.0	39.3	-	2.8	2.0	1.6	1.7	-
343	Plumbing and heating, except electric	39.6	38.6	38.1	38.3	-	2.2	1.7	1.2	1.1	-
3432	Plumbing fittings and brass goods	40.4	39.7	38.2	38.0	-	2.7	2.2	1.5	1.0	-
3433	Heating equipment, except electric	39.2	37.6	38.4	38.8	-	1.6	1.3	.9	1.2	-
344	Fabricated structural metal products	40.2	40.0	39.3	39.6	-	2.7	2.6	2.0	2.2	-
3441	Fabricated structural metal	41.0	41.0	40.0	40.4	-	2.9	3.1	2.4	2.6	-
3442	Metal doors, sash, and trim	39.5	39.1	39.3	39.4	-	2.2	2.2	1.9	2.3	-
3443	Fabricated plate work (boiler shops)	40.7	40.4	39.4	39.9	-	3.0	2.9	1.9	2.2	-
3444	Sheet metal work	39.4	39.1	38.5	38.7	-	2.4	2.3	1.8	1.9	-
3446	Architectural metal work	39.9	39.9	39.2	38.7	-	2.2	1.8	1.7	1.5	-
345	Screw machine products, bolts, etc.	41.0	40.3	39.0	39.0	-	3.1	2.7	1.6	1.6	-
3451	Screw machine products	40.2	39.8	38.9	38.7	-	2.9	2.6	1.7	1.7	-
3452	Bolts, nuts, rivets, and washers	41.7	40.8	39.1	39.3	-	3.3	2.7	1.5	1.6	-
346	Metal forgings and stampings	41.8	39.9	40.2	40.4	-	4.2	3.1	2.8	2.9	-
3462	Iron and steel forgings	40.7	39.2	38.8	38.9	-	3.4	2.8	1.9	2.3	-
3465	Automotive stampings	43.9	41.1	42.4	42.5	-	5.9	4.0	4.3	4.1	-
3469	Metal stampings, nec	40.3	39.2	38.4	38.8	-	2.8	2.3	1.7	1.9	-
347	Metal services, nec	40.6	40.3	38.8	39.0	-	2.8	2.9	2.2	2.3	-
3471	Plating and polishing	39.7	39.7	38.7	39.0	-	2.9	2.9	2.2	2.2	-
3479	Metal coating and allied services	42.5	41.7	38.9	38.9	-	2.7	2.8	2.2	2.5	-
348	Ordnance and accessories, nec	40.7	39.3	40.6	40.3	-	2.7	2.1	2.3	2.3	-
3483	Ammunition, exc. for small arms, nec	38.9	37.8	40.5	40.0	-	1.8	1.1	1.9	1.8	-
349	Misc. fabricated metal products	40.4	39.0	38.6	38.8	-	2.9	2.5	1.6	1.5	-
3494	Valves and pipe fittings	40.5	38.9	38.6	38.4	-	3.2	2.7	1.5	1.4	-
3496	Misc. fabricated wire products	41.0	39.3	38.5	39.3	-	2.9	2.4	1.5	1.5	-
35	MACHINERY, EXCEPT ELECTRICAL	41.1	40.5	39.7	39.8	39.3	3.4	3.1	2.0	2.1	-
351	Engines and turbines	40.7	40.8	38.8	38.8	-	3.5	3.0	1.2	1.4	-
3511	Turbines and turbine generator sets	40.4	39.0	40.2	40.2	-	3.4	3.1	2.5	2.7	-
3519	Internal combustion engines, nec	40.8	41.5	38.2	38.1	-	3.5	3.0	.6	.8	-
352	Farm and garden machinery	40.4	40.4	39.4	39.6	-	3.4	3.3	1.8	2.2	-
3523	Farm machinery and equipment	40.5	40.5	39.7	39.6	-	3.7	3.7	2.0	2.3	-
353	Construction and related machinery	41.5	40.7	39.7	39.8	-	3.5	3.3	1.6	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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$434.00	\$428.76	\$446.88	\$429.62	-	\$10.85	\$10.91	\$11.40	\$11.13	-
3532	Mining machinery	384.56	374.23	396.92	397.06	-	9.59	9.67	10.23	10.34	-
3533	Oil field machinery	404.10	402.19	400.98	414.66	-	9.00	9.12	9.78	9.92	-
3535	Conveyers and conveying equipment	332.59	340.95	342.86	338.12	-	8.42	8.72	8.68	8.56	-
3537	Industrial trucks and tractors	320.10	314.88	329.12	332.89	-	8.25	8.20	8.80	8.83	-
354	Metalworking machinery	374.17	364.08	375.25	379.14	-	8.93	8.88	9.50	9.55	-
3541	Machine tools, metal cutting types	382.69	376.24	377.33	378.87	-	9.09	9.11	9.70	9.79	-
3542	Machine tools, metal forming types	366.03	348.55	372.63	377.75	-	9.22	9.27	9.99	10.02	-
3544	Special dies, tools, jigs, and fixtures	404.89	390.21	407.81	416.07	-	9.46	9.38	10.02	10.05	-
3545	Machine tool accessories	336.19	328.45	333.03	325.99	-	8.16	8.07	8.65	8.67	-
3546	Power driven hand tools	280.91	282.63	294.88	296.43	-	7.24	7.21	7.76	7.76	-
355	Special industry machinery	334.55	330.86	350.95	356.40	-	8.14	8.21	8.84	8.91	-
3551	Food products machinery	348.35	349.00	373.52	368.00	-	8.58	8.66	9.20	9.20	-
3552	Textile machinery	272.24	260.04	271.49	274.70	-	6.64	6.55	7.07	7.08	-
3555	Printing trades machinery	351.88	352.37	358.93	380.42	-	8.26	8.43	9.11	9.37	-
356	General industrial machinery	355.42	352.00	358.94	358.80	-	8.69	8.80	9.18	9.20	-
3561	Pumps and pumping equipment	354.97	337.18	367.26	367.61	-	8.83	8.92	9.49	9.45	-
3562	Ball and roller bearings	364.17	364.27	347.91	358.60	-	8.65	8.82	8.99	9.01	-
3563	Air and gas compressors	387.66	385.56	403.79	390.61	-	9.23	9.18	9.97	9.99	-
3564	Blowers and fans	318.33	316.40	341.90	344.35	-	7.86	7.99	8.38	8.44	-
3566	Speed changers, drives, and gears	406.39	395.20	370.36	357.83	-	9.63	9.71	9.67	9.75	-
3568	Power transmission equipment, nec	344.45	347.36	329.12	326.50	-	8.30	8.31	8.73	8.73	-
357	Office and computing machines	305.78	300.92	321.40	324.66	-	7.44	7.43	7.82	7.88	-
3573	Electronic computing equipment	303.73	300.37	321.63	324.06	-	7.39	7.38	7.75	7.79	-
358	Refrigeration and service machinery	320.78	316.01	338.80	346.40	-	7.94	7.96	8.47	8.66	-
3585	Refrigeration and heating equipment	332.93	327.23	347.53	363.20	-	8.14	8.14	8.71	8.99	-
359	Misc. machinery, except electrical	346.01	343.40	349.55	353.53	-	8.46	8.50	8.94	8.95	-
3592	Carburetors, pistons, rings, valves	412.68	398.40	401.31	430.44	-	10.09	10.01	10.29	10.55	-
3599	Machinery, except electrical, nec	335.38	334.94	341.34	341.91	-	8.20	8.27	8.73	8.70	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	303.91	303.71	315.56	320.35	\$319.45	7.56	7.65	8.05	8.11	\$8.17
361	Electric distributing equipment	300.00	304.07	301.02	307.28	-	7.50	7.64	7.88	7.94	-
3612	Transformers	294.44	305.93	300.31	306.15	-	7.27	7.48	7.74	7.85	-
3613	Switchgear and switchboard apparatus	304.52	302.25	302.02	308.39	-	7.69	7.77	7.99	8.01	-
362	Electrical industrial apparatus	320.17	318.71	319.32	318.50	-	7.79	7.85	8.23	8.23	-
3621	Motors and generators	319.02	319.46	328.32	328.32	-	7.80	7.83	8.27	8.27	-
3622	Industrial controls	303.91	303.76	295.13	295.50	-	7.56	7.69	7.87	7.88	-
363	Household appliances	297.92	300.31	295.42	308.85	-	7.60	7.72	7.92	7.96	-
3632	Household refrigerators and freezers	341.73	362.07	332.88	365.24	-	8.74	8.94	9.12	9.20	-
3633	Household laundry equipment	348.93	352.69	357.58	360.02	-	8.97	9.09	9.51	9.40	-
3634	Electric housewares and fans	231.08	227.46	230.76	235.22	-	5.91	5.97	6.17	6.19	-
364	Electric lighting and wiring equipment	281.60	283.06	302.99	299.53	-	7.04	7.13	7.69	7.70	-
3641	Electric lamps	314.77	329.64	336.44	331.57	-	7.83	8.04	8.39	8.48	-
3643	Current-carrying wiring devices	266.90	271.08	285.12	282.57	-	6.59	6.71	7.20	7.19	-
3644	Noncurrent-carrying wiring devices	301.39	295.20	292.18	286.75	-	7.28	7.38	7.75	7.75	-
3645	Residential lighting fixtures	217.14	208.88	230.11	232.56	-	5.64	5.60	6.12	6.12	-
365	Radio and TV receiving equipment	281.00	283.68	293.25	313.18	-	7.15	7.20	7.50	7.81	-
3651	Radio and TV receiving sets	288.99	289.77	297.99	324.41	-	7.41	7.43	7.70	8.03	-
366	Communication equipment	347.54	348.60	374.66	381.24	-	8.56	8.65	9.39	9.46	-
3661	Telephone and telegraph apparatus	359.10	358.97	373.18	381.68	-	8.78	8.82	9.52	9.59	-
3662	Radio and TV communication equipment	340.17	342.86	375.19	381.23	-	8.42	8.55	9.31	9.39	-
367	Electronic components and accessories	265.86	257.24	278.48	282.27	-	6.63	6.63	7.05	7.11	-
3671-3	Electronic tubes	335.36	332.29	361.34	367.92	-	8.26	8.37	8.90	8.93	-
3674	Semiconductors and related devices	313.59	287.25	314.40	323.18	-	7.63	7.50	8.00	8.12	-
3679	Electronic components, nec	244.77	245.46	262.68	264.14	-	6.15	6.23	6.60	6.62	-
369	Misc. electrical equipment and supplies	346.72	348.33	347.27	345.86	-	8.54	8.73	8.66	8.69	-
3691	Storage batteries	338.04	335.29	354.76	357.50	-	8.43	8.51	9.05	9.12	-
3694	Engine electrical equipment	393.56	397.37	365.04	363.63	-	9.79	10.06	9.36	9.30	-
37	TRANSPORTATION EQUIPMENT	432.63	425.95	455.39	465.92	455.84	10.45	10.44	11.08	11.20	11.20
371	Motor vehicles and equipment	469.56	459.67	487.47	509.22	-	11.18	11.13	11.69	11.87	-
3711	Motor vehicles and car bodies	522.86	517.07	555.86	578.99	-	12.39	12.37	13.11	13.31	-
3713	Truck and bus bodies	364.10	349.92	364.91	387.28	-	8.99	8.77	9.10	9.40	-
3714	Motor vehicle parts and accessories	446.69	434.48	458.02	483.58	-	11.56	10.52	11.01	11.22	-
3715	Truck trailers	280.10	273.40	297.83	301.34	-	7.41	7.47	7.90	7.93	-
372	Aircraft and parts	421.67	416.96	451.13	454.40	-	10.21	10.27	11.03	11.11	-
3721	Aircraft	437.78	435.34	473.40	472.72	-	10.60	10.67	11.66	11.73	-
3724	Aircraft engines and engine parts	412.60	411.34	440.36	449.21	-	10.32	10.44	10.90	11.01	-
3728	Aircraft equipment, nec	397.03	385.43	422.26	424.62	-	9.32	9.31	10.03	10.11	-
373	Ship and boat building and repairing	353.20	359.39	386.16	379.93	-	8.83	8.94	9.63	9.57	-
3731	Shipbuilding and repairing	366.68	375.87	407.64	-	-	9.19	9.35	10.09	-	-
3732	Boat building and repairing	302.25	299.83	302.25	306.54	-	7.50	7.44	7.77	7.80	-
374	Railroad equipment	419.82	426.73	432.43	429.39	-	10.82	10.97	11.44	11.42	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	40.0	39.3	39.2	38.6	-	1.8	1.6	0.7	0.9	-
3532	Mining machinery	40.1	38.7	38.8	38.4	-	2.1	2.1	1.0	.9	-
3533	Oil field machinery	44.9	44.1	41.0	41.8	-	6.3	6.0	2.5	2.3	-
3535	Conveyers and conveying equipment	39.5	39.1	39.5	39.5	-	2.9	3.0	2.2	1.8	-
3537	Industrial trucks and tractors	38.8	38.4	37.4	37.7	-	2.7	2.5	1.3	.9	-
354	Metalworking machinery	41.9	41.0	39.5	39.7	-	4.2	3.7	2.5	2.7	-
3541	Machine tools, metal cutting types	42.1	41.3	38.9	38.7	-	4.8	4.0	1.7	1.9	-
3542	Machine tools, metal forming types	39.7	37.6	37.3	37.7	-	2.7	2.0	1.3	1.4	-
3544	Special dies, tools, jigs, and fixtures	42.8	41.6	40.7	41.4	-	5.0	4.6	4.0	4.1	-
3545	Machine tool accessories	41.2	40.7	38.5	37.6	-	3.4	3.0	1.2	1.2	-
3546	Power driven hand tools	38.8	39.2	38.0	38.2	-	2.1	2.0	1.3	1.1	-
355	Special industry machinery	41.1	40.3	39.7	40.0	-	2.8	2.7	2.1	2.3	-
3551	Food products machinery	40.6	40.3	40.6	40.0	-	2.2	1.9	2.3	2.3	-
3552	Textile machinery	41.0	39.7	38.4	38.8	-	2.2	1.8	.9	1.1	-
3555	Printing trades machinery	42.6	41.8	39.4	40.6	-	3.7	3.7	2.5	2.7	-
356	General industrial machinery	40.9	40.0	39.1	39.0	-	3.2	2.8	1.6	1.7	-
3561	Pumps and pumping equipment	40.2	37.8	38.7	38.9	-	3.0	2.2	1.4	1.4	-
3562	Ball and roller bearings	42.1	41.3	38.7	39.8	-	3.6	3.5	1.6	1.6	-
3563	Air and gas compressors	42.0	42.0	40.5	39.1	-	3.3	2.9	2.6	2.3	-
3564	Blowers and fans	40.5	39.6	40.8	40.8	-	3.2	3.0	2.1	2.5	-
3566	Speed changers, drives, and gears	42.2	40.7	38.3	36.7	-	4.4	3.7	1.1	.9	-
3568	Power transmission equipment, nec	41.5	41.8	37.7	37.4	-	4.1	3.5	1.0	1.1	-
357	Office and computing machines	41.1	40.5	41.1	41.2	-	2.6	2.2	2.2	2.2	-
3573	Electronic computing equipment	41.1	40.7	41.5	41.6	-	2.7	2.4	2.4	2.5	-
358	Refrigeration and service machinery	40.4	39.7	40.0	40.0	-	2.7	2.4	2.0	2.4	-
3585	Refrigeration and heating equipment	40.9	40.2	39.9	40.4	-	2.8	2.5	1.7	2.6	-
359	Misc. machinery, except electrical	40.9	40.4	39.1	39.5	-	3.9	3.6	2.5	2.5	-
3592	Carburetors, pistons, rings, valves	40.9	39.8	39.0	40.8	-	3.3	3.0	1.7	2.6	-
3599	Machinery, except electrical, nec	40.9	40.5	39.1	39.3	-	4.0	3.6	2.6	2.5	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	40.2	39.7	39.2	39.5	39.1	2.3	2.1	1.7	1.9	-
361	Electric distributing equipment	40.0	39.8	38.2	38.7	-	2.7	2.7	1.5	1.7	-
3612	Transformers	40.5	40.9	38.8	39.0	-	2.6	3.4	1.6	2.1	-
3613	Switchgear and switchboard apparatus	39.6	38.9	37.8	38.5	-	2.8	2.2	1.3	1.3	-
362	Electrical industrial apparatus	41.1	40.6	38.8	38.7	-	2.9	2.8	1.6	1.7	-
3621	Motors and generators	40.9	40.8	39.7	39.7	-	3.0	2.9	1.8	1.9	-
3622	Industrial controls	40.2	39.5	37.5	37.5	-	2.3	2.4	1.0	1.3	-
363	Household appliances	39.2	38.9	37.3	38.8	-	1.8	1.8	1.1	1.4	-
3632	Household refrigerators and freezers	39.1	40.5	36.5	39.7	-	1.5	2.7	1.0	1.6	-
3633	Household laundry equipment	38.9	38.8	37.6	38.3	-	1.1	1.1	.4	.6	-
3634	Electric housewares and fans	39.1	38.1	37.4	38.0	-	1.8	1.5	.9	1.2	-
364	Electric lighting and wiring equipment	40.0	39.7	39.4	38.9	-	2.4	2.0	1.7	1.5	-
3641	Electric lamps	40.2	41.0	40.1	39.1	-	2.2	1.6	1.5	1.4	-
3643	Current-carrying wiring devices	40.5	40.4	39.6	39.3	-	2.8	2.5	1.8	1.7	-
3644	Noncurrent-carrying wiring devices	41.4	40.0	37.7	37.0	-	2.8	2.1	.9	1.1	-
3645	Residential lighting fixtures	38.5	37.3	37.6	38.0	-	1.5	.9	1.0	.9	-
365	Radio and TV receiving equipment	39.3	39.4	39.1	40.1	-	1.5	1.7	1.2	1.9	-
3651	Radio and TV receiving sets	39.0	39.0	38.7	40.4	-	1.7	1.8	1.2	2.1	-
366	Communication equipment	40.6	40.3	39.9	40.3	-	2.2	2.1	1.8	2.0	-
3661	Telephone and telegraph apparatus	40.9	40.7	39.2	39.8	-	2.1	2.2	1.2	1.6	-
3662	Radio and TV communication equipment	40.4	40.1	40.3	40.6	-	2.2	2.0	2.1	2.2	-
367	Electronic components and accessories	40.1	38.8	39.5	39.7	-	2.3	2.0	2.1	2.2	-
3671-3	Electronic tubes	40.6	39.7	40.6	41.2	-	1.9	1.7	1.7	2.1	-
3674	Semiconductors and related devices	41.1	38.3	39.3	39.8	-	2.5	1.7	2.3	2.4	-
3679	Electronic components, nec	39.8	39.4	39.8	39.9	-	2.4	2.4	2.2	2.2	-
369	Misc. electrical equipment and supplies	40.6	39.9	40.1	39.8	-	2.4	2.1	1.9	1.9	-
3691	Storage batteries	40.1	39.4	39.2	39.2	-	2.0	2.1	1.4	1.7	-
3694	Engine electrical equipment	40.2	39.5	39.0	39.1	-	2.3	2.3	1.9	1.9	-
37	TRANSPORTATION EQUIPMENT	41.4	40.8	41.1	41.6	40.7	3.6	3.5	3.0	3.3	-
371	Motor vehicles and equipment	42.0	41.3	41.7	42.9	-	4.0	3.7	3.4	4.0	-
3711	Motor vehicles and car bodies	42.2	41.8	42.4	43.2	-	4.1	4.1	3.6	3.8	-
3713	Truck and bus bodies	40.5	39.9	40.1	41.2	-	3.4	2.9	1.8	2.9	-
3714	Motor vehicle parts and accessories	42.3	41.3	41.6	43.1	-	4.1	3.6	3.5	4.5	-
3715	Truck trailers	37.8	36.6	37.7	38.0	-	1.6	1.4	.7	1.0	-
372	Aircraft and parts	41.3	40.6	40.9	40.9	-	3.5	3.3	2.8	3.0	-
3721	Aircraft	41.3	40.8	40.6	40.3	-	3.2	2.9	2.3	2.4	-
3724	Aircraft engines and engine parts	40.0	39.4	40.4	40.8	-	3.3	3.2	3.0	3.5	-
3728	Aircraft equipment, nec	42.6	41.4	42.1	42.0	-	4.4	4.1	3.4	3.5	-
373	Ship and boat building and repairing	40.0	40.2	40.1	39.7	-	3.3	3.6	2.5	2.4	-
3731	Ship building and repairing	39.9	40.2	40.4	-	-	3.2	3.6	2.8	-	-
3732	Boat building and repairing	40.3	40.3	38.9	39.3	-	3.6	3.7	1.5	1.7	-
374	Railroad equipment	38.8	38.9	37.8	37.6	-	2.4	2.2	1.5	1.2	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$413.25	\$406.00	\$438.62	\$438.74	-	\$9.91	\$10.00	\$10.83	\$10.86	-
3761	Guided missiles and space vehicles	422.69	415.67	449.96	449.15	-	10.21	10.34	11.11	11.09	-
379	Miscellaneous transportation equipment	299.25	300.93	361.68	359.16	-	7.50	7.58	8.80	8.76	-
3792	Travel trailers and campers	256.23	264.32	300.30	297.11	-	6.69	6.76	7.70	7.56	-
38	INSTRUMENTS AND RELATED PRODUCTS	296.13	296.46	327.22	330.44	\$325.44	7.33	7.43	8.16	8.22	\$8.26
381	Engineering and scientific instruments	317.24	322.29	332.83	340.20	-	7.70	7.88	8.30	8.40	-
382	Measuring and controlling devices	291.77	292.40	335.24	335.20	-	7.24	7.31	8.36	8.38	-
3822	Environmental controls	272.53	272.13	292.57	289.56	-	6.97	7.05	7.56	7.58	-
3823	Process control instruments	310.86	315.13	331.70	331.30	-	7.28	7.38	8.11	8.16	-
3825	Instruments to measure electricity	294.23	292.82	374.03	372.20	-	7.43	7.47	9.19	9.19	-
383	Optical instruments and lenses	311.89	322.40	334.87	345.20	-	7.72	8.06	8.33	8.44	-
384	Medical instruments and supplies	253.76	252.70	272.74	277.11	-	6.36	6.43	6.94	6.98	-
3841	Surgical and medical instruments	253.53	252.41	278.39	282.61	-	6.26	6.39	7.03	7.03	-
3842	Surgical appliances and supplies	254.63	254.27	269.70	274.22	-	6.43	6.47	6.88	6.96	-
385	Ophthalmic goods	223.20	221.99	234.21	237.80	-	5.58	5.62	5.99	5.99	-
386	Photographic equipment and supplies	396.76	392.85	433.46	437.37	-	9.63	9.70	10.47	10.59	-
387	Watches, clocks, and watchcases	225.19	221.56	243.43	243.97	-	5.73	5.80	6.21	6.13	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	230.88	229.85	245.63	246.79	244.22	5.92	5.97	6.38	6.41	6.41
391	Jewelry, silverware, and plated ware	243.21	241.16	258.25	256.73	-	6.35	6.38	6.85	6.92	-
3911	Jewelry, precious metal	238.99	235.06	254.19	254.10	-	6.39	6.44	6.87	7.00	-
393	Musical instruments	220.98	223.67	240.66	244.09	-	5.80	5.84	6.30	6.34	-
394	Toys and sporting goods	217.40	215.51	233.40	234.99	-	5.49	5.54	6.00	6.01	-
3942, 4	Dolls, games, toys, and children's vehicles	205.92	201.40	216.03	220.00	-	5.28	5.30	5.70	5.67	-
3949	Sporting and athletic goods, nec	228.57	231.60	248.75	249.40	-	5.70	5.79	6.25	6.33	-
395	Pens, pencils, office and art supplies	242.61	243.58	260.43	266.93	-	6.05	6.12	6.61	6.64	-
396	Costume jewelry and notions	198.39	192.51	208.29	211.14	-	5.10	5.12	5.41	5.47	-
3961	Costume jewelry	181.74	177.14	197.06	200.58	-	4.77	4.84	5.04	5.13	-
399	Miscellaneous manufactures	248.97	248.30	260.82	261.67	-	6.45	6.50	6.81	6.85	-
3993	Signs and advertising displays	267.80	264.34	281.18	280.48	-	6.92	6.92	7.38	7.42	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	294.18	295.02	312.05	312.45	313.24	7.41	7.45	7.92	7.91	7.91
201	Meat products	289.54	288.25	297.97	298.31	-	7.33	7.41	7.66	7.61	-
2011	Meat packing plants	360.33	357.30	367.13	371.59	-	8.81	9.00	9.11	9.13	-
2013	Sausages and other prepared meats	344.52	349.27	366.51	364.29	-	8.70	8.82	9.14	9.13	-
2016	Poultry dressing plants	182.30	184.30	188.42	187.82	-	4.81	4.85	5.12	5.09	-
202	Dairy products	310.01	313.17	329.60	336.10	-	7.47	7.51	8.00	8.06	-
2022	Cheese, natural and processed	289.67	286.31	299.77	308.66	-	7.17	7.14	7.57	7.64	-
2026	Fluid milk	323.59	330.00	344.45	352.38	-	7.76	7.82	8.32	8.39	-
203	Preserved fruits and vegetables	245.86	248.62	269.43	265.24	-	6.47	6.56	6.98	6.98	-
2032	Canned specialties	276.10	292.73	313.62	328.05	-	7.19	7.21	7.96	8.10	-
2033	Canned fruits and vegetables	259.88	250.79	273.94	262.70	-	6.75	6.67	7.19	7.10	-
2037	Frozen fruits and vegetables	214.62	229.85	254.78	243.85	-	6.08	6.28	6.45	6.52	-
204	Grain mill products	351.45	353.15	367.98	373.43	-	8.25	8.29	8.91	8.87	-
2041	Flour and other grain mill products	373.46	371.54	378.86	375.40	-	8.19	8.22	8.77	8.71	-
2048	*Prepared feeds, nec	280.36	285.78	292.70	304.33	-	6.52	6.60	7.07	6.98	-
205	Bakery products	301.86	303.01	315.47	319.28	-	7.80	7.85	8.28	8.38	-
2051	Bread, cake, and related products	304.92	306.43	317.60	322.43	-	7.92	7.98	8.38	8.53	-
2052	Cookies and crackers	295.81	292.04	308.44	308.07	-	7.47	7.45	7.97	7.94	-
206	Sugar and confectionery products	293.53	294.12	308.90	312.05	-	7.32	7.39	7.86	7.92	-
2061-3	Cane and beet sugar	372.38	379.73	368.80	373.18	-	8.64	8.79	9.22	9.26	-
2065	Confectionery products	248.20	244.72	264.96	267.58	-	6.43	6.44	6.90	6.95	-
207	Fats and oils	334.19	334.05	343.78	352.59	-	7.79	7.86	8.07	8.05	-
208	Beverages	366.27	376.20	393.01	397.44	-	8.89	9.00	9.68	9.67	-
2082	Malt beverages	513.25	539.97	566.80	573.78	-	12.02	12.30	13.06	13.16	-
2086	Bottled and canned soft drinks	278.66	284.13	289.41	296.46	-	6.78	6.83	7.29	7.32	-
209	Misc. foods and kindred products	243.32	246.65	264.80	258.00	-	6.42	6.44	6.95	6.88	-
21	TOBACCO MANUFACTURES	359.98	365.16	369.40	397.94	387.92	9.35	9.46	9.93	10.39	10.57
211	Cigarettes	416.23	423.84	422.59	452.35	-	10.70	10.84	11.36	11.78	-
22	TEXTILE MILL PRODUCTS	218.56	217.80	219.44	221.56	218.46	5.41	5.50	5.79	5.80	5.81
221	Weaving mills, cotton	224.66	228.50	224.91	224.03	-	5.52	5.67	5.95	5.99	-
222	Weaving mills, synthetics	236.02	241.86	230.96	229.74	-	5.66	5.80	6.11	6.11	-
223	Weaving and finishing mills, wool	234.89	228.90	239.90	249.86	-	5.66	5.68	6.12	6.20	-
224	Narrow fabric mills	201.78	196.28	210.75	215.21	-	4.97	5.02	5.39	5.49	-
225	Knitting mills	196.09	193.16	198.69	199.56	-	5.08	5.11	5.37	5.35	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	41.7	40.6	40.5	40.4	-	3.2	3.5	3.0	2.8	-
3761	Guided missiles and space vehicles	41.4	40.2	40.5	40.5	-	2.8	3.5	2.9	2.7	-
379	Miscellaneous transportation equipment	39.9	39.7	41.1	41.0	-	1.8	1.9	3.3	3.3	-
3792	Travel trailers and campers	38.3	39.1	39.0	39.3	-	1.4	2.1	1.9	1.8	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.4	39.9	40.1	40.2	39.4	2.3	2.0	1.6	1.6	-
381	Measuring and controlling devices	41.2	40.9	40.1	40.5	-	2.9	3.0	2.0	1.9	-
382	Environmental controls	40.3	40.0	40.1	40.0	-	2.1	1.9	1.2	1.1	-
3822	Process control instruments	39.1	38.6	38.7	38.2	-	1.6	1.6	.8	.7	-
3823	Instruments to measure electricity	42.7	42.7	40.9	40.6	-	3.0	2.7	1.6	1.3	-
3825	Optical instruments and lenses	39.6	39.2	40.7	40.5	-	1.8	1.5	1.1	1.0	-
383	Medical instruments and supplies	40.4	40.0	40.2	40.9	-	3.0	2.8	2.0	2.1	-
384	Surgical and medical instruments	39.9	39.3	39.3	39.7	-	2.3	2.0	1.7	2.2	-
3841	Surgical appliances and supplies	40.5	39.5	39.6	40.2	-	2.6	2.0	2.0	2.7	-
3842	Ophthalmic goods	39.6	39.3	39.2	39.4	-	2.2	2.1	1.5	1.9	-
385	Photographic equipment and supplies	40.0	39.5	39.1	39.7	-	1.6	1.3	1.3	1.3	-
386	Watches, clocks, and watchcases	41.2	40.5	41.4	41.3	-	2.6	2.1	2.2	1.9	-
387	Watches, clocks, and watchcases	39.3	38.2	39.2	39.8	-	1.2	1.3	1.5	1.5	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	39.0	38.5	38.5	38.5	38.1	1.9	1.5	1.6	1.5	-
391	Jewelry, precious metal	38.3	37.8	37.7	37.1	-	1.8	1.0	1.2	1.1	-
3911	Musical instruments	37.4	36.5	37.0	36.3	-	1.7	.8	1.1	1.1	-
393	Toys and sporting goods	38.1	38.3	38.2	38.5	-	.8	.6	1.0	.9	-
394	Dolls, games, toys, and children's vehicles	39.6	38.9	38.9	39.1	-	2.2	1.8	1.5	1.5	-
3942, 4	Sporting and athletic goods, nec	39.0	38.0	37.9	38.8	-	1.8	1.4	1.1	1.2	-
3949	Pens, pencils, office and art supplies	40.1	40.0	39.8	39.4	-	2.5	2.2	1.8	1.8	-
395	Costume jewelry and notions	40.1	39.8	39.4	40.2	-	2.3	2.0	1.7	1.8	-
396	Costume jewelry	38.9	37.6	38.5	38.6	-	2.1	1.0	2.3	2.3	-
3961	Miscellaneous manufactures	38.1	36.6	39.1	39.1	-	1.7	.7	2.9	2.9	-
399	Signs and advertising displays	38.6	38.2	38.3	38.2	-	1.7	1.8	1.6	1.5	-
3993	Signs and advertising displays	38.7	38.2	38.1	37.8	-	1.8	2.1	2.1	1.9	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.7	39.6	39.4	39.5	39.6	3.6	3.7	3.3	3.3	-
201	Meat packing plants	39.5	38.9	38.9	39.2	-	3.5	3.1	3.2	3.2	-
2011	Sausages and other prepared meats	40.9	39.7	40.3	40.7	-	4.0	3.3	3.7	4.0	-
2013	Poultry dressing plants	39.6	39.6	40.1	39.9	-	3.3	3.5	3.8	3.4	-
2016	Dairy products	37.9	38.0	36.8	36.9	-	2.9	2.7	2.3	2.2	-
202	Cheese, natural and processed	41.5	41.7	41.2	41.7	-	4.0	4.1	4.0	4.2	-
2022	Fluid milk	40.4	40.1	39.6	40.4	-	3.6	3.2	3.4	3.4	-
2026	Preserved fruits and vegetables	41.7	42.2	41.4	42.0	-	4.3	4.6	4.0	4.3	-
203	Canned specialties	38.0	37.9	38.6	38.0	-	2.9	3.4	2.6	2.4	-
2032	Canned fruits and vegetables	38.4	40.6	39.4	40.5	-	3.0	2.9	1.8	2.4	-
2033	Frozen fruits and vegetables	38.5	37.6	38.1	37.0	-	2.8	3.6	2.6	2.4	-
2037	Grain mill products	35.3	36.6	39.5	37.4	-	3.1	3.3	3.5	2.3	-
204	Flour and other grain mill products	42.6	42.6	41.3	42.1	-	5.3	5.5	4.5	4.7	-
2041	Prepared feeds, nec	45.6	45.2	43.2	43.1	-	6.2	6.3	5.1	5.0	-
2048	Bakery products	43.0	43.3	41.4	43.6	-	5.9	6.2	4.6	5.7	-
205	Bread, cake, and related products	38.7	38.6	38.1	38.1	-	3.2	3.3	2.9	2.9	-
2051	Cookies and crackers	38.5	38.4	37.9	37.8	-	3.5	3.6	3.3	3.3	-
2052	Sugar and confectionery products	39.6	39.2	38.7	38.8	-	2.4	2.4	1.8	1.7	-
206	Cane and beet sugar	40.1	39.8	39.3	39.4	-	2.4	2.6	2.1	2.5	-
2061-3	Confectionery products	43.1	43.2	40.0	40.3	-	3.7	4.4	3.1	3.8	-
2065	Fats and oils	38.6	38.0	38.4	38.5	-	1.8	1.7	1.6	2.0	-
207	Beverages	42.9	42.5	42.6	43.8	-	5.4	5.4	4.7	5.4	-
208	Malt beverages	41.2	41.8	40.6	41.1	-	4.6	5.0	4.2	4.2	-
2082	Bottled and canned soft drinks	42.7	43.9	43.4	43.6	-	6.6	7.3	6.6	6.1	-
2086	Misc. foods and kindred products	41.1	41.6	39.7	40.5	-	4.5	4.7	3.6	4.0	-
209	Misc. foods and kindred products	37.9	38.3	38.1	37.5	-	3.1	3.4	3.0	2.6	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.5	38.6	37.2	38.3	36.7	1.7	2.1	1.0	1.6	-
211	Cigarettes	38.9	39.1	37.2	38.4	-	1.9	2.4	1.0	1.8	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	40.4	39.6	37.9	38.2	37.6	3.4	3.0	2.1	2.2	-
221	Weaving mills, synthetics	40.7	40.3	37.8	37.4	-	3.6	3.5	2.2	2.0	-
222	Weaving and finishing mills, wool	41.7	41.7	37.8	37.6	-	4.0	3.7	2.0	1.9	-
223	Narrow fabric mills	41.5	40.3	39.2	40.3	-	3.9	2.9	2.9	3.5	-
224	Knitting mills	40.6	39.1	39.1	39.2	-	2.6	1.8	1.8	2.0	-
225	Knitting mills	38.6	37.8	37.0	37.3	-	2.5	2.1	1.7	1.9	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$182.21	\$178.23	\$181.92	\$189.81	-	\$4.77	\$4.83	\$5.11	\$5.13	-
2252	Hosiery, nec	190.00	187.02	184.17	192.32	-	4.81	4.82	5.13	5.17	-
2253	Knit outerwear mills	187.75	187.99	194.93	194.25	-	4.98	5.04	5.24	5.18	-
2254	Knit underwear mills	179.83	175.78	179.39	179.87	-	4.90	4.91	5.14	5.11	-
2257	Circular knit fabric mills	225.79	227.94	233.25	231.43	-	5.76	5.80	5.92	5.98	-
226	Textile finishing, except wool	242.65	233.38	245.60	249.89	-	5.75	5.82	6.14	6.17	-
2261	Finishing plants, cotton	238.21	229.12	257.50	257.51	-	5.81	5.83	6.19	6.22	-
2262	Finishing plants, synthetics	260.61	247.85	240.29	251.02	-	5.95	6.06	6.34	6.42	-
227	Floor covering mills	230.52	222.51	223.94	229.03	-	5.65	5.72	5.94	5.98	-
228	Yarn and thread mills	203.81	205.92	204.92	210.43	-	5.07	5.20	5.45	5.48	-
2281	Yarn mills, except wool	204.32	207.88	204.71	210.37	-	5.07	5.21	5.43	5.45	-
2282	Throwing and winding mills	193.25	190.08	191.30	194.99	-	4.88	4.95	5.27	5.27	-
229	Miscellaneous textile goods	251.87	249.69	257.15	261.95	-	6.04	6.09	6.51	6.50	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	180.41	177.12	180.08	183.89	\$182.50	4.97	4.92	5.16	5.18	\$5.17
231	Men's and boys' suits and coats	208.66	206.79	206.98	208.74	-	5.67	5.65	5.88	5.88	-
232	Men's and boys' furnishings	167.61	166.05	170.88	174.95	-	4.53	4.50	4.76	4.78	-
2321	Men's and boys' shirts and nightwear	161.85	158.40	166.68	171.31	-	4.41	4.40	4.63	4.63	-
2327	Men's and boys' separate trousers	169.36	169.34	167.04	170.85	-	4.64	4.54	4.80	4.84	-
2328	Men's and boys' work clothing	167.96	168.02	171.55	175.41	-	4.42	4.41	4.70	4.69	-
233	Women's and misses' outerwear	169.79	168.30	165.61	171.01	-	4.95	4.95	5.08	5.12	-
2331	Women's and misses' blouses and waists	159.85	160.65	162.32	166.02	-	4.62	4.67	4.76	4.73	-
2335	Women's and misses' dresses	167.64	165.14	162.13	169.78	-	5.08	5.05	5.18	5.24	-
2337	Women's and misses' suits and coats	191.05	189.89	179.60	187.02	-	5.49	5.52	5.63	5.65	-
2339	Women's and misses' outerwear, nec	167.32	165.55	165.49	168.14	-	4.74	4.73	4.94	4.96	-
234	Women's and children's undergarments	164.86	162.90	160.77	162.17	-	4.48	4.50	4.66	4.66	-
2341	Women's and children's underwear	163.47	161.98	159.73	160.65	-	4.43	4.45	4.59	4.59	-
2342	Brassieres and allied garments	170.03	166.73	165.33	169.51	-	4.71	4.71	5.01	5.06	-
236	Children's outerwear	166.25	162.17	169.45	174.33	-	4.53	4.53	4.72	4.75	-
2361	Children's dresses and blouses	163.26	161.17	169.33	169.67	-	4.51	4.54	4.73	4.70	-
238	Misc. apparel and accessories	183.52	181.02	184.76	186.48	-	4.92	4.84	5.19	5.18	-
239	Misc. fabricated textile products	231.28	218.12	232.41	233.23	-	5.90	5.71	6.10	6.17	-
2391	Curtains and draperies	166.19	160.75	166.14	166.14	-	4.42	4.38	4.68	4.68	-
2392	House furnishing, nec	187.59	186.24	192.00	191.01	-	4.81	4.85	5.12	5.08	-
2396	Automotive and apparel trimmings	417.00	402.21	433.49	446.90	-	10.00	9.81	10.73	10.90	-
26	PAPER AND ALLIED PRODUCTS	364.66	370.15	379.31	389.34	393.86	8.54	8.73	9.14	9.27	9.40
261, 2,6	Paper and pulp mills	448.10	459.33	467.28	477.16	-	9.98	10.23	10.62	10.82	-
262	Paper mills, except building paper	448.47	463.65	468.42	479.90	-	9.90	10.19	10.55	10.76	-
263	Paperboard mills	440.48	456.57	474.36	478.95	-	10.22	10.52	10.93	10.96	-
264	Misc. converted paper products	310.24	310.13	322.00	332.51	-	7.53	7.62	8.05	8.19	-
2641	Paper coating and glazing	362.06	360.81	383.14	386.88	-	8.42	8.55	9.21	9.30	-
2642	Envelopes	280.19	277.11	296.56	297.79	-	6.97	6.98	7.47	7.52	-
2643	Bags, except textile bags	288.26	290.80	299.41	312.53	-	7.10	7.27	7.58	7.66	-
265	Paperboard containers and boxes	315.75	313.88	323.21	331.70	-	7.50	7.60	8.06	8.13	-
2651	Folding paperboard boxes	326.74	324.73	330.86	339.90	-	7.67	7.75	8.21	8.25	-
2653	Corrugated and solid fiber boxes	329.52	328.34	338.99	349.35	-	7.79	7.95	8.37	8.50	-
2654	Sanitary food containers	304.99	302.87	320.17	317.34	-	7.06	7.06	7.79	7.74	-
27	PRINTING AND PUBLISHING	301.69	305.04	315.99	319.42	321.63	8.11	8.20	8.61	8.68	8.74
271	Newspapers	277.05	278.22	288.97	291.28	-	8.27	8.33	8.81	8.80	-
2, 2	Periodicals	289.10	285.67	324.25	322.59	-	7.73	7.70	8.74	8.79	-
273	Books	284.23	280.49	295.83	289.00	-	7.46	7.54	7.91	8.05	-
2731	Book publishing	268.98	269.35	286.50	282.05	-	7.25	7.26	7.64	7.77	-
2732	Book printing	300.29	293.59	307.05	296.78	-	7.68	7.85	8.21	8.36	-
274	Miscellaneous publishing	258.08	257.40	287.41	300.80	-	7.09	7.15	7.81	8.00	-
275	Commercial printing	324.56	329.56	338.71	341.76	-	8.43	8.56	8.89	8.97	-
2751	Commercial printing, letterpress	301.78	306.32	317.72	320.35	-	7.90	8.04	8.45	8.52	-
2752	Commercial printing, lithographic	333.80	340.17	346.86	350.59	-	8.67	8.79	9.08	9.13	-
276	Manifold business forms	328.45	337.42	336.49	343.57	-	8.09	8.17	8.65	8.72	-
278	Blankbooks and bookbinding	243.81	241.64	253.65	259.18	-	6.30	6.26	6.64	6.68	-
279	Printing trade services	379.64	381.38	394.34	405.21	-	10.07	10.17	10.46	10.58	-
28	CHEMICALS AND ALLIED PRODUCTS	377.31	380.14	401.06	407.95	409.63	9.07	9.16	9.83	9.95	10.04
281	Industrial inorganic chemicals	418.14	426.40	432.95	446.76	-	10.10	10.25	10.77	10.95	-
2819	Industrial inorganic chemicals, nec	416.75	422.71	436.51	448.84	-	10.14	10.26	10.94	11.11	-
282	Plastics materials and synthetics	377.58	382.33	391.88	398.69	-	8.99	9.06	9.70	9.82	-
2821	Plastics materials and resins	423.36	413.28	432.82	440.32	-	9.80	9.84	10.48	10.61	-
2824	Organic fibers, noncellulosic	349.29	368.07	367.75	376.40	-	8.54	8.62	9.31	9.41	-
283	Drugs	336.20	334.54	368.42	369.65	-	8.22	8.24	9.03	9.06	-
2834	Pharmaceutical preparations	319.56	314.03	350.21	352.96	-	7.91	7.93	8.69	8.78	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	38.2	36.9	35.6	37.0	-	2.6	2.3	1.6	2.1	-
2252	Hosiery, nec	39.5	38.8	35.9	37.2	-	3.1	2.6	1.3	1.9	-
2253	Knit outerwear mills	37.7	37.3	37.2	37.5	-	2.0	1.8	1.6	1.6	-
2254	Knit underwear mills	36.7	35.8	34.9	35.2	-	1.3	.7	.3	.7	-
2257	Circular knit fabric mills	39.2	39.3	39.4	38.7	-	2.3	2.5	2.6	2.5	-
226	Textile finishing, except wool	42.2	40.1	40.0	40.5	-	4.3	3.2	2.7	2.8	-
2261	Finishing plants, cotton	41.0	39.3	41.6	41.4	-	3.6	2.9	2.4	2.4	-
2262	Finishing plants, synthetics	43.8	40.9	37.9	39.1	-	5.4	3.3	2.8	3.2	-
227	Floor covering mills	40.8	38.9	37.7	38.3	-	4.2	3.7	1.5	1.8	-
228	Yarn and thread mills	40.2	39.6	37.6	38.4	-	3.4	3.2	2.2	2.3	-
2281	Yarn mills, except wool	40.3	39.9	37.7	38.6	-	3.5	3.5	2.4	2.4	-
2282	Throwing and winding mills	39.6	38.4	36.3	37.0	-	3.1	2.5	1.6	1.7	-
229	Miscellaneous textile goods	41.7	41.0	39.5	40.3	-	3.9	3.1	2.6	2.8	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.3	36.0	34.9	35.5	35.3	1.2	1.0	.9	1.1	-
231	Men's and boys' suits and coats	36.8	36.6	35.2	35.5	-	.9	.6	.7	.9	-
232	Men's and boys' furnishings	37.0	36.9	35.9	36.6	-	1.0	.9	.8	1.0	-
2321	Men's and boys' shirts and nighwear	36.7	36.0	36.0	37.0	-	1.0	.8	.9	1.3	-
2327	Men's and boys' separate trousers	36.5	37.3	34.8	35.3	-	1.1	1.0	.8	.8	-
2328	Men's and boys' work clothing	38.0	38.1	36.5	37.4	-	1.1	1.1	.9	1.3	-
233	Women's and misses' outerwear	34.3	34.0	32.6	33.4	-	1.0	.9	.7	.9	-
2331	Women's and misses' blouses and waists	34.6	34.4	34.1	35.1	-	1.1	.8	.8	1.0	-
2335	Women's and misses' dresses	33.0	32.7	31.3	32.4	-	.9	.9	.6	.7	-
2337	Women's and misses' suits and coats	34.8	34.4	31.9	33.1	-	.9	.9	.6	.6	-
2339	Women's and misses' outerwear, nec	35.3	35.0	33.5	33.9	-	1.2	.9	.6	1.0	-
234	Women's and children's undergarments	36.8	36.2	34.5	34.8	-	1.5	1.3	.7	.9	-
2341	Women's and children's underwear	36.9	36.4	34.8	35.0	-	1.5	1.3	.7	1.0	-
2342	Brassieres and allied garments	36.1	35.4	33.0	33.5	-	1.3	1.1	.6	.5	-
236	Children's outerwear	36.7	35.8	35.9	36.7	-	1.4	1.0	.8	1.3	-
2361	Children's dresses and blouses	36.2	35.5	35.8	36.1	-	1.2	1.1	.9	.9	-
238	Misc. apparel and accessories	37.3	37.4	35.6	36.0	-	1.4	1.4	1.2	.9	-
239	Misc. fabricated textile products	39.2	38.2	38.1	37.8	-	2.2	1.8	1.9	1.9	-
2391	Curtains and draperies	37.6	36.7	35.5	35.5	-	1.3	.6	1.5	1.4	-
2392	House furnishings, nec	39.0	38.4	37.5	37.6	-	2.3	2.0	1.5	1.3	-
2396	Automotive and apparel trimmings	41.7	41.0	40.4	41.0	-	2.8	3.2	3.5	4.1	-
26	PAPER AND ALLIED PRODUCTS	42.7	42.4	41.5	42.0	41.9	4.6	4.6	3.7	3.9	-
261, 2, 6	Paper and pulp mills	44.9	44.9	44.0	44.1	-	6.3	6.9	5.6	5.7	-
262	Paper mills, except building paper	45.3	45.5	44.4	44.6	-	6.5	7.2	5.8	5.8	-
263	Paperboard mills	43.1	43.4	43.4	43.7	-	7.3	7.4	6.1	6.3	-
264	Misc. converted paper products	41.2	40.7	40.0	40.6	-	2.9	2.7	2.2	2.5	-
2641	Paper coating and glazing	43.0	42.2	41.6	41.6	-	3.2	3.0	2.2	2.6	-
2642	Envelopes	40.2	39.7	39.7	39.6	-	2.1	1.9	1.9	1.8	-
2643	Bags, except textile bags	40.6	40.0	39.5	40.8	-	2.7	2.5	2.2	2.6	-
265	Paperboard containers and boxes	42.1	41.3	40.1	40.8	-	3.6	3.4	2.6	2.9	-
2651	Folding paperboard boxes	42.6	41.9	40.3	41.2	-	4.2	3.9	2.6	2.8	-
2653	Corrugated and solid fiber boxes	42.3	41.3	40.5	41.1	-	3.7	3.5	3.0	3.3	-
2654	Sanitary food containers	43.2	42.9	41.1	41.0	-	4.0	3.4	2.8	3.0	-
27	PRINTING AND PUBLISHING	37.2	37.2	36.7	36.8	36.8	2.3	2.3	2.0	2.0	-
271	Newspapers	33.5	33.4	32.8	33.1	-	1.3	1.3	1.3	1.3	-
272	Periodicals	37.4	37.1	37.1	36.7	-	2.1	1.8	2.0	2.0	-
273	Books	38.1	37.2	37.4	35.9	-	1.9	1.9	2.1	1.1	-
2731	Book publishing	37.1	37.1	37.5	36.3	-	1.2	.9	1.5	.7	-
2732	Book printing	39.1	37.4	37.4	35.5	-	2.7	2.9	2.7	1.6	-
274	Miscellaneous publishing	36.4	36.0	36.8	37.6	-	1.2	.7	1.5	1.4	-
275	Commercial printing	38.5	38.5	38.1	38.1	-	2.8	2.9	2.4	2.4	-
2751	Commercial printing, letterpress	38.2	38.1	37.6	37.6	-	2.3	2.4	2.1	2.1	-
2752	Commercial printing, lithographic	38.5	38.7	38.2	38.4	-	3.0	3.1	2.5	2.5	-
276	Manifold business forms	40.6	41.3	38.9	39.4	-	3.0	3.7	1.9	2.3	-
278	Blankbooks and bookbinding	38.7	38.6	38.2	38.8	-	1.6	1.7	1.3	1.3	-
279	Printing trade service	37.7	37.5	37.7	38.3	-	3.4	3.6	2.7	3.4	-
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.5	40.8	41.0	40.8	3.3	3.2	2.6	2.8	-
281	Industrial inorganic chemicals	41.4	41.6	40.2	40.8	-	3.0	3.4	2.8	3.1	-
2819	Industrial inorganic chemicals, nec	41.1	41.2	39.9	40.4	-	2.8	3.2	2.9	3.1	-
282	Plastics materials and synthetics	42.0	42.2	40.4	40.6	-	3.4	3.7	2.3	2.6	-
2821	Plastics materials and resins	43.2	42.0	41.3	41.5	-	4.7	4.1	3.1	3.4	-
2824	Organic fibers, noncellulosic	40.9	42.7	39.5	40.0	-	2.2	3.5	1.7	2.1	-
283	Drugs	40.9	40.6	40.8	40.8	-	2.8	2.5	2.5	2.4	-
2834	Pharmaceutical preparations	40.4	39.6	40.3	40.2	-	2.8	2.4	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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$338.60	\$336.07	\$368.24	\$378.12	-	\$8.34	\$8.36	\$9.07	\$9.20	-
2841	Soap and other detergents	454.92	457.87	500.23	515.70	-	10.78	10.98	11.77	11.91	-
2844	Toilet preparations	261.49	253.76	287.36	288.62	-	6.62	6.49	7.22	7.27	-
2842, 3	Polishing, sanitation, and finishing preparations	328.05	334.94	344.27	359.38	-	8.10	8.27	8.65	8.83	-
285	Paints and allied products	330.03	325.99	355.60	357.06	-	8.03	7.99	8.89	8.86	-
286	Industrial organic chemicals	460.53	464.83	487.89	499.23	-	10.71	10.81	11.70	11.83	-
2865	Cyclic crudes and intermediates	427.32	431.38	457.85	467.04	-	10.15	10.15	11.14	11.20	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	471.97	476.50	498.19	509.29	-	10.90	11.03	11.89	12.04	-
287	Agricultural chemicals	376.25	378.84	397.38	394.83	-	8.75	9.02	9.35	9.56	-
289	Miscellaneous chemical products	344.84	349.25	367.34	373.18	-	8.37	8.56	9.07	9.26	-
29	PETROLEUM AND COAL PRODUCTS	491.99	499.49	549.63	552.13	\$549.19	11.31	11.43	12.52	12.52	\$12.51
291	Petroleum refining	529.40	539.00	596.74	598.97	-	12.17	12.25	13.44	13.46	-
295	Paving and roofing materials	381.40	382.37	392.11	404.92	-	8.59	8.77	9.14	9.33	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	292.03	286.48	300.13	306.77	304.92	7.14	7.18	7.56	7.65	7.70
301	Tires and inner tubes	465.09	460.91	467.48	478.47	-	11.10	11.16	11.60	11.67	-
302	Rubber and plastics footwear	186.51	184.51	201.37	200.46	-	4.77	4.78	5.15	5.14	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	327.25	324.06	323.56	335.36	-	7.70	7.79	8.15	8.26	-
306	Fabricated rubber products, nec	270.54	264.37	280.21	293.38	-	6.68	6.71	7.13	7.28	-
307	Miscellaneous plastics products	266.83	261.88	274.33	278.50	-	6.54	6.58	6.91	6.98	-
31	LEATHER AND LEATHER PRODUCTS	189.74	181.41	191.52	197.25	188.86	4.98	4.97	5.32	5.36	5.32
311	Leather tanning and finishing	265.77	253.89	278.87	286.72	-	6.53	6.51	7.06	7.15	-
314	Footwear, except rubber	184.12	172.44	181.51	187.76	-	4.82	4.79	5.07	5.13	-
3143	Men's footwear, except athletic	197.29	183.63	191.33	198.86	-	5.02	4.99	5.30	5.36	-
3144	Women's footwear, except athletic	177.00	165.67	177.15	183.68	-	4.72	4.68	4.99	5.06	-
316	Luggage	188.12	191.44	202.65	206.28	-	4.99	5.16	5.84	5.73	-
317	Handbags and personal leather goods	173.59	173.59	179.14	183.13	-	4.73	4.73	4.99	4.99	-
-	TRANSPORTATION AND PUBLIC UTILITIES	381.52	383.90	394.60	398.43	400.38	9.61	9.67	10.17	10.19	10.24
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	470.29	468.86	468.54	-	-	10.64	10.56	11.29	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	230.17	260.81	238.66	244.16	-	6.73	7.03	7.04	7.16	-
411	Local and suburban transportation	282.12	292.13	300.65	300.27	-	7.29	7.34	7.65	7.66	-
413	Intercity highway transportation	384.05	408.81	398.56	410.32	-	10.58	10.96	11.42	11.15	-
42	TRUCKING AND WAREHOUSING	395.61	391.04	398.74	396.94	-	9.94	9.95	10.33	10.31	-
421, 3	Trucking and trucking terminals	403.57	399.91	406.84	405.02	-	10.14	10.15	10.54	10.52	-
422	Public warehousing	266.81	267.19	278.13	282.12	-	6.93	6.94	7.30	7.29	-
46	PIPE LINES, EXCEPT NATURAL GAS	479.40	490.75	526.18	528.53	-	11.28	11.23	12.41	12.32	-
48	COMMUNICATION	366.28	366.16	389.65	396.40	-	9.18	9.20	9.94	10.01	-
481	Telephone communication	378.82	377.88	406.21	415.20	-	9.40	9.40	10.31	10.38	-
4817	Switchboard operating employees ³	258.21	261.17	293.46	293.05	-	7.55	7.57	8.76	8.67	-
4818	Line construction employees ⁴	480.49	480.27	499.80	519.79	-	10.97	10.94	11.90	12.06	-
483	Radio and television broadcasting	311.16	314.80	325.24	330.37	-	8.21	8.35	8.65	8.74	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	406.13	408.62	436.65	442.21	-	9.81	9.87	10.65	10.63	-
491	Electric services	417.74	422.52	445.05	455.34	-	9.97	10.06	10.75	10.79	-
492	Gas production and distribution	365.57	368.34	394.94	392.35	-	8.96	9.05	9.80	9.64	-
493	Combination utility services	452.10	451.96	501.77	502.49	-	11.00	10.97	12.12	12.05	-
495	Sanitary services	322.82	319.09	341.90	346.76	-	7.76	7.84	8.38	8.52	-
-	WHOLESALE AND RETAIL TRADE	190.51	193.85	197.78	199.32	202.12	5.88	5.91	6.20	6.19	6.20
50, 51	WHOLESALE TRADE	289.11	294.10	308.35	308.80	311.50	7.49	7.58	8.03	8.00	8.07
50	WHOLESALE TRADE-DURABLE GOODS	291.72	294.84	309.21	310.05	-	7.48	7.56	7.99	7.95	-
501	Motor vehicles and automotive equipment	271.05	273.00	275.80	279.03	-	6.95	7.00	7.22	7.21	-
502	Furniture and home furnishings	261.32	259.61	274.16	271.20	-	6.95	6.96	7.37	7.31	-
503	Lumber and construction materials	301.86	307.72	308.44	308.89	-	7.74	7.83	7.97	7.90	-
504	Sporting goods, toys, and hobby goods	294.34	297.33	322.13	319.60	-	7.87	7.95	8.59	8.50	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.6	40.2	40.6	41.1	-	2.8	2.4	2.3	2.8	-
2841	Soap and other detergents	42.2	41.7	42.5	43.3	-	3.9	3.8	3.7	4.0	-
2844	Toilet preparations	39.5	39.1	39.8	39.7	-	2.3	1.5	1.7	2.0	-
2842, 3	Polishing, sanitation, and finishing preparations	40.5	40.5	39.8	40.7	-	2.5	2.3	1.6	2.7	-
285	Paints and allied products	41.1	40.8	40.0	40.3	-	3.4	2.9	2.4	2.6	-
286	Industrial organic chemicals	43.0	43.0	41.7	42.2	-	3.9	4.0	2.9	3.2	-
2865	Cyclic crudes and intermediates	42.1	42.5	41.1	41.7	-	4.0	3.8	2.1	2.4	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.3	43.2	41.9	42.3	-	3.9	4.1	3.1	3.4	-
287	Agricultural chemicals	43.0	42.0	42.5	41.3	-	4.4	4.0	4.0	3.2	-
289	Miscellaneous chemical products	41.2	40.8	40.5	40.3	-	2.8	2.8	2.3	2.5	-
29	PETROLEUM AND COAL PRODUCTS	43.5	43.7	43.9	44.1	43.9	4.0	3.9	4.1	4.1	-
291	Petroleum refining	43.5	44.0	44.4	44.5	-	3.7	3.6	3.9	3.8	-
295	Paving and roofing materials	44.4	43.6	42.9	43.4	-	6.1	5.6	5.6	6.4	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.9	39.9	39.7	40.1	39.6	3.2	3.0	2.6	2.7	-
301	Tires and inner tubes	41.9	41.3	40.3	41.0	-	3.0	2.9	2.6	2.6	-
302	Rubber and plastics footwear	39.1	38.6	39.1	39.0	-	2.9	2.5	1.6	1.9	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	42.5	41.6	39.7	40.6	-	3.2	3.1	1.9	2.2	-
306	Fabricated rubber products, nec	40.5	39.4	39.3	40.3	-	2.9	2.5	2.3	2.5	-
307	Miscellaneous plastics products	40.8	39.8	39.7	39.9	-	3.4	3.2	2.8	2.9	-
31	LEATHER AND LEATHER PRODUCTS	38.1	36.5	36.0	36.8	35.5	1.8	1.3	1.4	1.6	-
311	Leather tanning and finishing	40.7	39.0	39.5	40.1	-	3.5	2.3	2.7	3.1	-
314	Footwear, except rubber	38.2	36.0	35.8	36.6	-	1.6	1.1	1.2	1.5	-
3143	Men's footwear, except athletic	39.3	36.8	36.1	37.1	-	1.7	1.1	1.0	1.3	-
3144	Women's footwear, except athletic	37.5	35.4	35.5	36.3	-	1.8	1.3	1.4	2.0	-
316	Luggage	37.7	37.1	34.7	36.0	-	1.9	1.1	2.7	2.3	-
317	Handbags and personal leather goods	36.7	36.7	35.9	36.7	-	1.7	1.6	.9	1.0	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.7	39.7	38.8	39.1	39.1	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	44.2	44.4	41.5	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.2	37.1	33.9	34.1	-	-	-	-	-	-
411	Local and suburban transportation	38.7	39.8	39.3	39.2	-	-	-	-	-	-
413	Intercity highway transportation	36.3	37.3	34.9	36.8	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.8	39.3	38.6	38.5	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.8	39.4	38.6	38.5	-	-	-	-	-	-
422	Public warehousing	38.5	38.5	38.1	38.7	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.5	43.7	42.4	42.9	-	-	-	-	-	-
48	COMMUNICATION	39.9	39.8	39.2	39.6	-	-	-	-	-	-
481	Telephone communication	40.3	40.2	39.4	40.0	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.2	34.5	33.5	33.8	-	-	-	-	-	-
4818	Line construction employees ⁴	43.8	43.9	42.0	43.1	-	-	-	-	-	-
483	Radio and television broadcasting	37.9	37.7	37.6	37.8	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.4	41.4	41.0	41.6	-	-	-	-	-	-
491	Electric services	41.9	42.0	41.4	42.2	-	-	-	-	-	-
492	Gas production and distribution	40.8	40.7	40.3	40.7	-	-	-	-	-	-
493	Combination utility services	41.1	41.2	41.4	41.7	-	-	-	-	-	-
495	Sanitary services	41.6	40.7	40.8	40.7	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.4	32.8	31.9	32.2	32.6	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.6	38.8	38.4	38.6	38.6	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.0	39.0	38.7	39.0	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	39.0	39.0	38.2	38.7	-	-	-	-	-	-
502	Furniture and home furnishings	37.6	37.3	37.2	37.1	-	-	-	-	-	-
503	Lumber and construction materials	39.0	39.3	38.7	39.1	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.4	37.4	37.5	37.6	-	-	-	-	-	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$346.50	\$346.81	\$352.30	\$350.36	-	\$8.75	\$8.78	\$9.08	\$9.03	-
506	Electrical goods	301.48	306.92	332.13	334.62	-	7.77	7.89	8.56	8.45	-
507	Hardware, plumbing, and heating equipment	267.72	272.38	287.96	290.19	-	6.99	7.02	7.46	7.46	-
508	Machinery, equipment, and supplies	302.59	306.92	321.79	323.47	-	7.68	7.77	8.23	8.21	-
509	Miscellaneous durable goods	238.85	236.38	248.62	249.48	-	6.22	6.27	6.56	6.60	-
51	WHOLESALE TRADE-NONDURABLE GOODS	285.38	291.84	306.99	307.04	-	7.51	7.60	8.10	8.08	-
511	Paper and paper products	306.18	313.76	328.13	325.01	-	8.32	8.48	8.75	8.69	-
512	Drugs, proprietaries, and sundries	298.03	300.47	327.57	331.13	-	7.99	7.97	8.95	8.83	-
513	Apparel, piece goods, and notions	246.62	250.61	267.55	266.08	-	6.72	6.81	7.33	7.31	-
514	Groceries and related products	286.48	293.33	307.47	307.13	-	7.48	7.56	8.07	8.04	-
516	Chemicals and allied products	346.99	345.32	365.54	367.86	-	8.92	8.90	9.47	9.53	-
517	Petroleum and petroleum products	349.55	363.89	379.82	385.76	-	8.94	9.12	9.64	9.62	-
518	Beer, wine, and distilled beverages	332.79	337.27	352.23	351.59	-	8.97	8.97	9.65	9.58	-
519	Miscellaneous nondurable goods	236.16	239.94	254.65	250.87	-	6.15	6.20	6.58	6.55	-
52-59	RETAIL TRADE	158.17	161.92	163.01	164.65	\$167.62	5.22	5.24	5.47	5.47	\$5.46
52	BUILDING MATERIALS AND GARDEN SUPPLIES	210.36	213.38	215.75	216.81	-	5.67	5.69	5.96	5.94	-
521	Lumber and other building materials	230.49	234.04	235.49	236.22	-	5.91	5.94	6.23	6.20	-
525	Hardware stores	171.86	174.38	178.80	181.30	-	5.04	5.04	5.29	5.24	-
53	GENERAL MERCHANDISE STORES	151.04	154.80	156.06	157.93	-	5.12	5.16	5.40	5.39	-
531	Department stores	155.53	159.67	161.84	163.23	-	5.29	5.34	5.60	5.59	-
533	Variety stores	123.06	125.50	126.44	128.03	-	4.20	4.24	4.36	4.34	-
539	Misc. general merchandise stores	129.74	131.94	129.79	131.97	-	4.24	4.27	4.37	4.37	-
54	FOOD STORES	216.78	219.52	220.32	225.99	-	6.86	6.86	7.20	7.22	-
541	Grocery stores	226.49	228.30	229.77	235.94	-	7.10	7.09	7.46	7.49	-
546	Retail bakeries	143.96	144.83	144.00	147.38	-	4.93	4.96	5.00	5.03	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	229.07	233.55	238.88	235.62	-	6.06	6.13	6.37	6.30	-
551, 2	New and used car dealers	268.80	273.74	283.46	279.62	-	7.00	7.11	7.44	7.32	-
553	Auto and home supply stores	227.66	236.57	243.01	239.95	-	5.58	5.77	6.03	5.91	-
554	Gasoline service stations	172.66	175.69	179.28	177.76	-	4.85	4.84	5.05	5.05	-
56	APPAREL AND ACCESSORY STORES	132.59	136.00	136.36	138.51	-	4.62	4.61	4.87	4.86	-
561	Men's and boys' clothing and furnishings	168.32	176.04	174.51	175.27	-	5.26	5.40	5.54	5.46	-
562	Women's ready-to-wear stores	118.25	121.26	121.59	123.57	-	4.30	4.30	4.52	4.51	-
565	Family clothing stores	128.70	131.24	135.56	140.43	-	4.50	4.51	4.79	4.91	-
566	Shoe stores	138.05	138.95	138.68	140.72	-	4.81	4.71	5.08	4.99	-
57	FURNITURE AND HOME FURNISHINGS STORES	203.93	209.21	210.40	212.32	-	5.86	5.91	6.17	6.19	-
571	Furniture and home furnishings stores	204.86	209.09	208.88	211.48	-	5.87	5.94	6.18	6.22	-
572	Household appliance stores	222.41	224.90	225.16	233.99	-	6.23	6.23	6.47	6.61	-
573	Radio, television, and music stores	190.18	199.09	204.68	202.62	-	5.61	5.64	5.95	5.89	-
58	EATING AND DRINKING PLACES	103.75	106.11	106.90	107.71	-	3.93	3.93	4.08	4.08	-
59	MISCELLANEOUS RETAIL	160.02	163.07	166.70	167.23	-	5.08	5.08	5.36	5.36	-
591	Drug stores and proprietary stores	137.89	141.47	146.52	147.67	-	4.69	4.70	5.07	5.04	-
594	Miscellaneous shopping goods stores	147.87	152.00	149.90	152.00	-	4.77	4.78	4.98	5.00	-
596	Nonstore retailers	197.32	197.57	202.95	204.84	-	5.89	5.88	6.15	6.17	-
598	Fuel and ice dealers	256.90	256.99	266.58	264.79	-	6.69	6.71	7.09	7.08	-
599	Retail stores, nec	168.78	170.65	183.53	182.15	-	5.13	5.14	5.43	5.47	-
-	FINANCE, INSURANCE, AND REAL ESTATE	225.63	227.96	245.75	241.51	245.03	6.25	6.28	6.77	6.69	6.75
60	BANKING	194.91	195.28	211.55	209.30	-	5.34	5.35	5.78	5.75	-
602	Commercial and stock savings banks	191.63	192.36	208.25	205.66	-	5.25	5.27	5.69	5.65	-
61	CREDIT AGENCIES OTHER THAN BANKS	202.95	205.53	221.40	218.00	-	5.53	5.57	6.00	5.94	-
612	Savings and loan associations	188.96	191.46	202.00	198.55	-	5.22	5.26	5.58	5.50	-
614	Personal credit institutions	202.39	204.95	224.69	223.34	-	5.47	5.48	6.04	6.02	-
63	INSURANCE CARRIERS	258.22	262.92	283.46	282.33	-	6.96	7.03	7.62	7.61	-
631	Life insurance	269.70	280.12	289.38	288.64	-	7.25	7.45	7.80	7.78	-
632	Medical service and health insurance	243.00	243.65	272.88	268.96	-	6.48	6.48	7.20	7.23	-
633	Fire, marine, and casualty insurance	249.61	252.71	279.70	278.21	-	6.82	6.83	7.58	7.56	-

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.6	39.5	38.8	38.8	-	-	-	-	-	
506	Electrical goods	38.8	38.9	38.8	39.6	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.3	38.8	38.6	38.9	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.4	39.5	39.1	39.4	-	-	-	-	-	
509	Miscellaneous durable goods	38.4	37.7	37.9	37.8	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	38.0	38.4	37.9	38.0	-	-	-	-	-	
511	Paper and paper products	36.8	37.0	37.5	37.4	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.3	37.7	36.6	37.5	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.7	36.8	36.5	36.4	-	-	-	-	-	
514	Groceries and related products	38.3	38.8	38.1	38.2	-	-	-	-	-	
516	Chemicals and allied products	38.9	38.8	38.6	38.6	-	-	-	-	-	
517	Petroleum and petroleum products	39.1	39.9	39.4	40.1	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.1	37.6	36.5	36.7	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.4	38.7	38.7	38.3	-	-	-	-	-	
52-59	RETAIL TRADE	30.3	30.9	29.8	30.1	30.7	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	37.1	37.5	36.2	36.5	-	-	-	-	-	
521	Lumber and other building materials	39.0	39.4	37.8	38.1	-	-	-	-	-	
525	Hardware stores	34.1	34.6	33.8	34.6	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.5	30.0	28.9	29.3	-	-	-	-	-	
531	Department stores	29.4	29.9	28.9	29.2	-	-	-	-	-	
533	Variety stores	29.3	29.6	29.0	29.5	-	-	-	-	-	
539	Misc. general merchandise stores	30.6	30.9	29.7	30.2	-	-	-	-	-	
54	FOOD STORES	31.6	32.0	30.6	31.3	-	-	-	-	-	
541	Grocery stores	31.9	32.2	30.8	31.5	-	-	-	-	-	
546	Retail bakeries	29.2	29.2	28.8	29.3	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.8	38.1	37.5	37.4	-	-	-	-	-	
551, 2	New and used car dealers	38.4	38.5	38.1	38.2	-	-	-	-	-	
553	Auto and home supply stores	40.8	41.0	40.3	40.6	-	-	-	-	-	
554	Gasoline service stations	35.6	36.3	35.5	35.2	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.7	29.5	28.0	28.5	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	32.0	32.6	31.5	32.1	-	-	-	-	-	
562	Women's ready-to-wear stores	27.5	28.2	26.9	27.4	-	-	-	-	-	
565	Family clothing stores	28.6	29.1	28.3	28.6	-	-	-	-	-	
566	Shoe stores	28.7	29.5	27.3	28.2	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.8	35.4	34.1	34.3	-	-	-	-	-	
571	Furniture and home furnishings stores	34.9	35.2	33.8	34.0	-	-	-	-	-	
572	Household appliance stores	35.7	36.1	34.8	35.4	-	-	-	-	-	
573	Radio, television, and music stores	33.9	35.3	34.4	34.4	-	-	-	-	-	
58	EATING AND DRINKING PLACES	26.4	27.0	26.2	26.4	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	31.5	32.1	31.1	31.2	-	-	-	-	-	
591	Drug stores and proprietary stores	29.4	30.1	28.9	29.3	-	-	-	-	-	
594	Miscellaneous shopping goods stores	31.0	31.8	30.1	30.4	-	-	-	-	-	
596	Nonstore retailers	33.5	33.6	33.0	33.2	-	-	-	-	-	
598	Fuel and ice dealers	38.4	38.3	37.6	37.4	-	-	-	-	-	
599	Retail stores, nec	32.9	33.2	33.8	33.3	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE	36.1	36.3	36.3	36.1	36.3	-	-	-	-	
60	BANKING	36.5	36.5	36.6	36.4	-	-	-	-	-	
602	Commercial and stock savings banks	36.5	36.5	36.6	36.4	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.7	36.9	36.9	36.7	-	-	-	-	-	
612	Savings and loan associations	36.2	36.4	36.2	36.1	-	-	-	-	-	
614	Personal credit institutions	37.0	37.4	37.2	37.1	-	-	-	-	-	
63	INSURANCE CARRIERS	37.1	37.4	37.2	37.1	-	-	-	-	-	
631	Life insurance	37.2	37.6	37.1	37.1	-	-	-	-	-	
632	Medical service and health insurance	37.5	37.6	37.9	37.2	-	-	-	-	-	
633	Fire, marine, and casualty insurance	36.6	37.0	36.9	36.8	-	-	-	-	-	

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				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
-	SERVICES	\$206.99	\$209.85	\$222.63	\$223.01	\$227.73	\$6.33	\$6.34	\$6.85	\$6.82	\$6.88
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts ²	148.80	150.55	151.09	152.11	-	4.80	4.81	4.97	5.02	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	163.59	162.81	172.21	171.52	-	4.84	4.86	5.11	5.12	-
723	Beauty shops ³	141.90	137.77	154.42	156.67	-	4.73	4.67	5.03	5.12	-
73	BUSINESS SERVICES	213.19	215.16	227.92	226.28	-	6.48	6.52	6.97	6.92	-
731	Advertising	312.57	308.18	332.22	327.41	-	8.78	8.78	9.28	9.12	-
734	Services to buildings	148.51	149.60	149.20	150.59	-	5.44	5.48	5.63	5.64	-
737	Computer and data processing services	293.46	297.75	320.54	306.74	-	7.91	7.94	8.64	8.45	-
75	AUTO REPAIR, SERVICES, AND GARAGES	244.86	249.74	251.84	253.72	-	6.41	6.47	6.68	6.73	-
753	Automotive repair shops	271.76	275.62	278.58	280.19	-	6.88	6.96	7.18	7.24	-
76	MISCELLANEOUS REPAIR SERVICES	301.43	305.63	303.34	306.89	-	7.67	7.66	7.92	7.93	-
78	MOTION PICTURES	206.55	201.07	213.18	224.68	-	7.65	7.08	8.36	8.20	-
781	Motion picture production and services	424.84	412.72	446.92	457.01	-	11.18	10.72	12.38	12.73	-
79	AMUSEMENT AND RECREATION SERVICES ..	175.99	181.64	184.59	185.11	-	5.77	5.73	6.30	6.01	-
80	HEALTH SERVICES	205.95	211.46	225.30	227.73	-	6.26	6.35	6.89	6.88	-
801	Offices of physicians	208.01	208.98	215.24	219.07	-	6.46	6.47	6.79	6.72	-
802	Offices of dentists	175.34	180.24	187.99	189.62	-	6.24	6.28	6.69	6.63	-
805	Nursing and personal care facilities	140.12	143.78	150.41	151.83	-	4.52	4.55	4.79	4.82	-
806	Hospitals	229.14	237.35	251.47	256.28	-	6.70	6.84	7.44	7.45	-
81	LEGAL SERVICES	273.14	276.58	296.33	299.11	-	8.01	8.04	8.69	8.62	-
89	MISCELLANEOUS SERVICES	354.33	355.30	390.28	390.25	-	9.30	9.35	10.19	10.11	-
891	Engineering and architectural services	386.88	387.44	430.25	428.87	-	9.92	9.96	10.92	10.83	-
893	Accounting, auditing, and bookkeeping	297.04	298.88	317.69	319.32	-	7.90	7.97	8.54	8.47	-

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.

⁵ Money payments only; tips, not included.

⁶ 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 workers' on private nonagricultural payrolls
by industry— Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1981	July 1981	May 1982	June 1982P	July 1982P	June 1981	July 1981	May 1982	June 1982P	July 1982P
	SERVICES	32.7	33.1	32.5	32.7	33.1	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ⁵	31.0	31.3	30.4	30.3	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.8	33.5	33.7	33.5	-	-	-	-	-	
723	Beauty shops ⁵	30.0	29.5	30.7	30.6	-	-	-	-	-	
	BUSINESS SERVICES										
73	Advertising	32.9	33.0	32.7	32.7	-	-	-	-	-	
731	Services to buildings	35.6	35.1	35.8	35.9	-	-	-	-	-	
734	Computer and data processing services	27.3	27.3	26.5	26.7	-	-	-	-	-	
737	.....	37.1	37.5	37.1	36.3	-	-	-	-	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	38.2	38.6	37.7	37.7	-	-	-	-	-	
753	.....	39.5	39.6	38.8	38.7	-	-	-	-	-
76	MISCELLANEOUS REPAIR SERVICES	39.3	39.9	38.3	38.7	-	-	-	-	-	
	MOTION PICTURES										
78	Motion picture production and services	27.0	28.4	25.5	27.4	-	-	-	-	-	
781	.....	38.0	38.5	36.1	35.9	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	30.5	31.7	29.3	30.8	-	-	-	-	-	
	HEALTH SERVICES										
80	Offices of physicians	32.9	33.3	32.7	33.1	-	-	-	-	-	
801	Offices of dentists	32.2	32.3	31.7	32.6	-	-	-	-	-	
802	Nursing and personal care facilities	28.1	28.7	28.1	28.6	-	-	-	-	-	
805	Hospitals	31.0	31.6	31.4	31.5	-	-	-	-	-	
806	.....	34.2	34.7	33.8	34.4	-	-	-	-	-
81	LEGAL SERVICES	34.1	34.4	34.1	34.7	-	-	-	-	-	
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	38.1	38.0	38.3	38.6	-	-	-	-	-	
891	Accounting, auditing, and bookkeeping	39.0	38.9	39.4	39.6	-	-	-	-	-	
893	.....	37.6	37.5	37.2	37.7	-	-	-	-	-

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				
	June 1981	July 1981	May 1982	June 1982P	July 1982P
MANUFACTURING	\$7.69	\$7.75	\$8.22	\$8.25	\$8.31
DURABLE GOODS	8.23	8.28	8.77	8.81	8.86
Lumber and wood products	6.85	6.91	7.19	7.30	-
Furniture and fixtures	5.75	5.79	6.12	6.17	-
Stone, clay, and glass products	7.92	8.00	8.43	8.47	-
Primary metal industries	10.33	10.39	10.96	11.03	-
Fabricated metal products	7.92	7.94	8.56	8.58	-
Machinery, except electrical	8.44	8.51	9.03	9.04	-
Electric and electronic equipment	7.35	7.45	7.88	7.92	-
Transportation equipment	10.01	10.02	10.69	10.77	-
Instruments and related products	7.13	7.24	8.00	8.05	-
Miscellaneous manufacturing industries	5.78	5.85	6.25	6.29	-
NONDURABLE GOODS	6.87	6.97	7.43	7.47	7.53
Food and kindred products	7.09	7.12	7.60	7.59	-
Tobacco manufactures	9.14	9.21	9.80	10.17	-
Textile mill products	5.19	5.30	5.63	5.64	-
Apparel and other textile products	4.89	4.85	5.09	5.11	-
Paper and allied products	8.11	8.28	8.75	8.86	-
Printing and publishing	7.88	7.95	8.38	8.45	-
Chemicals and allied products	8.72	8.82	9.52	9.63	-
Petroleum and coal products	10.81	10.95	11.96	11.96	-
Rubber and misc. plastics products	6.86	6.92	7.31	7.39	-
Leather and leather products	4.86	4.88	5.22	5.25	-

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 workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	June 1981	July 1981	May 1982	June 1982P	July 1982P
TOTAL PRIVATE:					
Current dollars	\$254.88	\$257.74	\$265.52	\$267.05	\$269.98
Constant (1977) dollars	170.49	170.35	168.16	167.12	-
MINING:					
Current dollars	420.04	439.92	454.12	462.01	\$466.98
Constant (1977) dollars	280.96	290.76	287.60	289.12	-
CONSTRUCTION:					
Current dollars	395.81	407.86	429.75	427.88	\$437.76
Constant (1977) dollars	264.76	269.57	272.17	267.76	-
MANUFACTURING:					
Current dollars	320.39	317.59	329.55	334.05	\$332.60
Constant (1977) dollars	214.31	209.91	208.71	209.04	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	381.52	383.90	394.60	398.43	\$400.38
Constant (1977) dollars	255.20	253.73	249.91	249.33	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	190.51	193.85	197.78	199.32	\$202.12
Constant (1977) dollars	127.43	128.12	125.26	124.73	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	225.63	227.96	245.75	241.51	\$245.03
Constant (1977) dollars	150.92	150.67	155.64	151.13	-
SERVICES:					
Current dollars	206.99	209.85	222.63	223.01	\$227.73
Constant (1977) dollars	138.45	138.70	140.99	139.56	-

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	June 1981	July 1981	May 1982	June 1982P	July 1982P
	Hours				
TOTAL PRIVATE	109.9	110.1	105.2	106.4	106.4
GOODS-PRODUCING	104.1	102.6	92.8	93.8	92.0
MINING	134.6	141.6	132.3	130.1	128.9
CONSTRUCTION	115.0	118.8	104.9	107.9	111.4
MANUFACTURING	100.5	97.6	88.7	89.3	86.5
DURABLE GOODS	101.2	97.8	87.4	87.7	84.5
Lumber and wood products	94.3	91.8	79.3	82.5	81.3
Furniture and fixtures	99.2	94.4	86.6	88.6	84.9
Stone, clay, and glass products	95.3	93.8	81.7	83.4	81.5
Primary metal industries	95.2	91.8	70.9	70.9	69.0
Fabricated metal products	99.3	95.4	84.8	85.1	81.3
Machinery, except electrical	111.4	108.4	97.6	95.1	90.3
Electric and electronic equipment	107.2	104.3	97.3	98.2	95.5
Transportation equipment	95.0	89.7	82.8	83.1	79.8
Instruments and related products	114.7	112.4	107.9	108.7	105.2
Miscellaneous manufacturing industries	92.4	89.2	83.6	84.2	80.1
NONDURABLE GOODS	99.5	97.4	90.5	91.7	89.5
Food and kindred products	97.3	100.0	92.1	94.4	96.2
Tobacco manufactures	89.7	89.3	80.6	85.4	78.2
Textile mill products	91.4	87.8	76.9	75.9	73.2
Apparel and other textile products	98.2	92.7	86.2	88.5	82.7
Paper and allied products	101.2	99.4	91.9	93.6	92.4
Printing and publishing	106.2	105.6	105.2	104.8	103.6
Chemicals and allied products	103.5	102.2	95.7	96.0	94.8
Petroleum and coal products	107.9	108.3	96.4	98.3	97.5
Rubber and misc. plastics products	103.8	99.3	93.8	95.5	92.1
Leather and leather products	96.1	87.4	80.1	82.4	72.1
SERVICE-PRODUCING	113.1	114.2	112.0	113.4	114.3
TRANSPORTATION AND PUBLIC UTILITIES	107.3	106.7	102.1	103.2	102.2
WHOLESALE AND RETAIL TRADE	107.4	108.6	105.8	107.0	107.9
WHOLESALE TRADE	112.7	113.2	109.7	110.7	110.1
RETAIL TRADE	105.4	106.9	104.3	105.5	107.1
FINANCE, INSURANCE, AND REAL ESTATE	118.3	119.5	117.3	118.5	119.4
SERVICES	120.6	122.2	121.5	123.3	124.9

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

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ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	June 1981	July 1981	May 1982	June 1982P	July 1982P
	Payrolls				
TOTAL PRIVATE	150.9	151.9	153.0	154.8	155.4
GOODS-PRODUCING	145.4	145.1	138.4	140.5	139.2
MINING	192.5	205.9	203.1	202.8	201.8
CONSTRUCTION	151.1	158.2	148.2	151.9	158.3
MANUFACTURING	141.1	138.0	132.0	133.8	130.3
DURABLE GOODS	142.5	138.2	129.9	131.2	126.9
Lumber and wood products	131.2	128.8	115.3	122.1	121.5
Furniture and fixtures	134.8	128.8	124.3	128.4	123.9
Stone, clay, and glass products	136.3	135.5	123.7	127.2	125.0
Primary metal industries	138.2	133.7	107.5	108.5	106.4
Fabricated metal products	138.3	132.6	126.1	127.2	121.6
Machinery, except electrical	156.5	153.0	144.4	141.1	134.8
Electric and electronic equipment	150.4	148.0	145.3	147.8	144.8
Transportation equipment	136.2	128.6	126.0	127.8	122.7
Instruments and related products	159.0	157.8	166.6	168.8	164.1
Miscellaneous manufacturing industries	125.3	122.2	122.3	123.7	117.7
NONDURABLE GOODS	138.8	137.6	135.6	138.4	136.3
Food and kindred products	134.2	138.6	135.7	139.0	141.5
Tobacco manufactures	151.2	152.5	144.4	160.1	149.2
Textile mill products	124.2	121.3	111.7	110.3	106.7
Apparel and other textile products	134.8	125.9	122.8	126.6	118.1
Paper and allied products	145.2	145.6	141.1	145.6	145.7
Printing and publishing	140.8	141.5	148.0	148.6	148.0
Chemicals and allied products	145.9	145.5	146.2	148.5	147.9
Petroleum and coal products	155.8	158.2	154.1	157.3	155.8
Rubber and misc. plastics products	143.2	137.8	137.0	141.2	137.2
Leather and leather products	132.7	120.3	118.2	122.4	106.2
SERVICE-PRODUCING	154.7	156.7	163.3	164.9	166.9
TRANSPORTATION AND PUBLIC UTILITIES	147.4	147.6	148.6	150.5	149.7
WHOLESALE AND RETAIL TRADE	147.8	150.1	153.4	154.9	156.3
WHOLESALE TRADE	156.7	159.0	163.4	164.4	164.8
RETAIL TRADE	143.0	145.4	148.0	149.8	151.8
FINANCE, INSURANCE, AND REAL ESTATE	162.8	165.3	174.8	174.6	177.5
SERVICES	164.2	166.6	178.9	180.9	184.7

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-6. Average weekly hours of production or nonsupervisory workers¹ on private² nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
TOTAL PRIVATE	35.3	35.2	35.0	35.1	35.1	35.0	34.4	35.0	34.9	34.9	35.0	34.8	34.9
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	40.0	39.9	39.4	39.5	39.3	39.1	37.6	39.4	39.0	39.0	39.1	39.2	39.3
<i>Overtime hours</i>	3.0	3.0	2.7	2.7	2.5	2.4	2.3	2.4	2.3	2.4	2.3	2.4	2.4
DURABLE GOODS	40.5	40.4	39.7	40.0	39.7	39.5	38.2	39.8	39.5	39.5	39.6	39.7	39.7
<i>Overtime hours</i>	3.0	3.0	2.7	2.6	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2
Lumber and wood products	38.7	38.4	37.6	37.8	37.7	37.7	35.0	37.9	37.6	37.6	38.5	38.5	38.3
Furniture and fixtures	38.6	38.4	37.4	38.0	37.6	37.9	33.6	37.7	37.3	37.4	37.5	37.8	37.9
Stone, clay, and glass products	40.8	40.7	40.3	40.1	40.1	39.7	38.6	40.1	40.0	40.0	40.2	40.4	40.6
Primary metal industries	40.7	40.8	40.6	40.0	39.6	39.2	38.3	39.4	38.8	38.5	38.5	38.9	38.9
Fabricated metal products	40.5	40.4	39.6	40.0	39.7	39.5	38.1	39.7	39.5	39.4	39.5	39.4	39.5
Machinery, except electrical	41.2	41.1	40.3	40.8	40.7	40.4	39.3	40.7	40.2	40.1	39.8	39.8	40.0
Electric and electronic equipment	40.4	40.3	39.7	39.8	39.4	39.5	38.3	39.8	39.4	39.3	39.4	39.5	39.8
Transportation equipment	41.2	41.2	40.1	40.6	40.4	39.7	39.0	40.5	40.4	41.1	41.1	41.6	41.1
Instruments and related products	40.5	40.6	40.4	40.3	40.2	39.9	39.0	39.9	39.9	39.9	40.2	40.2	40.0
Miscellaneous manufacturing and	39.0	38.9	38.4	38.9	39.0	38.5	37.3	38.6	38.6	38.5	38.7	38.5	38.6
NONDURABLE GOODS	39.2	39.2	38.9	38.9	38.7	38.6	36.8	38.9	38.5	38.4	38.5	38.6	38.6
<i>Overtime hours</i>	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.6	2.5	2.6	2.5	2.5	2.6
Food and kindred products	39.5	39.4	39.3	39.5	39.5	39.8	39.1	40.2	39.5	39.4	39.4	39.5	39.5
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	40.1	39.8	38.8	39.0	38.7	37.8	32.3	38.3	37.6	37.7	37.9	37.9	38.1
Apparel and other textile products	35.8	35.9	35.2	35.5	35.5	35.1	31.4	35.5	35.0	34.7	34.8	35.1	35.1
Paper and allied products	42.7	42.5	43.0	42.4	42.0	41.8	41.3	42.3	41.8	42.1	41.8	42.0	42.2
Printing and publishing	37.3	37.3	37.1	37.1	37.1	37.1	36.9	37.4	37.1	37.1	36.8	37.0	36.9
Chemicals and allied products	41.7	41.7	42.2	41.5	41.2	41.3	41.0	41.2	40.7	40.7	41.0	41.1	41.0
Petroleum and coal products	43.1	42.9	43.1	42.2	42.5	42.7	44.3	43.5	43.5	44.0	44.1	44.0	43.3
Rubber and misc. plastics products	40.5	40.5	39.7	39.9	39.6	39.4	37.9	40.0	39.6	39.8	39.9	40.1	40.2
Leather and leather products	36.4	36.7	36.2	36.7	36.5	36.1	34.1	35.6	35.8	35.6	35.6	35.8	35.5
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.2	32.2	32.1	32.0	32.1	32.0	31.7	32.0	31.9	31.8	32.0	31.9	31.9
WHOLESALE TRADE	38.6	38.6	38.5	38.4	38.5	38.4	38.1	38.5	38.4	38.3	38.5	38.6	38.4
RETAIL TRADE	30.1	30.1	30.1	29.9	30.0	29.9	29.7	29.9	29.8	29.8	30.0	29.8	29.9
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.6	32.5	32.5	32.6	32.6	32.6	32.5	32.6	32.6	32.7	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 workers¹ on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
TOTAL PRIVATE	108.8	108.5	107.8	107.7	107.3	106.3	104.3	106.2	105.6	105.2	105.7	104.9	105.0
GOODS-PRODUCING	102.6	102.0	99.8	99.7	98.4	96.3	91.4	95.6	93.9	93.0	93.3	92.0	91.9
MINING	140.4	142.9	142.7	143.9	145.0	145.5	141.6	143.7	142.6	138.4	133.6	127.2	127.8
CONSTRUCTION	108.8	107.4	102.4	106.1	106.9	104.2	96.8	102.9	101.1	100.9	104.5	101.2	102.0
MANUFACTURING	99.7	99.0	97.3	96.4	94.6	92.5	88.0	91.9	90.3	89.3	89.2	88.6	88.3
DURABLE GOODS	100.3	99.6	97.4	96.4	94.0	91.4	87.3	90.6	89.1	87.8	87.8	86.9	86.7
Lumber and wood products	89.8	87.3	84.1	81.8	79.2	77.2	70.9	77.5	76.1	77.6	79.5	79.5	79.4
Furniture and fixtures	99.7	98.7	95.6	95.9	93.1	92.6	80.9	90.0	88.3	87.8	88.1	89.0	89.8
Stone, clay, and glass products	92.0	91.8	90.1	88.2	86.6	83.9	79.3	82.4	81.1	80.2	81.1	80.6	80.3
Primary metal industries	93.3	93.4	92.3	88.6	85.4	81.9	78.5	79.7	77.1	73.6	71.0	70.2	70.0
Fabricated metal products	98.7	97.8	95.4	94.2	91.6	89.3	85.1	88.1	87.0	85.8	85.5	84.2	84.3
Machinery, except electrical	111.7	111.9	109.6	110.4	108.7	106.2	101.6	104.4	101.5	99.2	96.0	94.9	92.9
Electric and electronic equipment	107.8	107.6	105.7	104.9	101.5	99.6	97.2	100.4	98.6	97.8	98.0	97.9	98.7
Transportation equipment	93.4	91.6	88.2	87.6	85.4	80.7	78.3	81.8	81.7	81.4	82.3	82.8	83.1
Instruments and related products	114.6	114.7	114.1	113.0	111.7	110.6	107.3	109.3	108.5	107.4	108.5	107.7	107.2
Miscellaneous manufacturing ind	93.7	91.4	90.5	91.1	91.0	89.3	84.8	86.8	86.2	84.2	84.4	83.3	83.8
NONDURABLE GOODS	98.6	98.1	97.2	96.5	95.4	94.1	89.0	93.8	92.0	91.5	91.4	91.0	90.5
Food and kindred products	98.2	96.7	96.3	97.2	97.3	97.7	95.6	98.9	96.8	95.5	96.2	95.5	94.3
Tobacco manufactures	101.7	104.8	98.3	96.1	94.6	92.1	93.6	94.6	93.6	89.6	88.7	91.3	87.8
Textile mill products	90.8	89.3	87.0	85.8	83.9	80.7	67.7	79.9	76.5	78.0	77.0	74.9	75.9
Apparel and other textile products	95.3	95.3	93.4	93.3	92.7	90.5	79.6	90.0	87.7	85.3	85.3	85.9	84.8
Paper and allied products	100.1	99.5	101.6	98.3	96.6	95.2	93.7	95.4	93.9	94.0	92.8	92.5	92.9
Printing and publishing	106.8	107.0	106.7	106.8	106.5	106.5	105.8	107.2	106.7	106.2	105.5	105.5	104.8
Chemicals and allied products	102.2	102.2	103.2	100.9	99.5	98.9	97.6	97.6	96.4	95.3	95.7	95.1	94.9
Petroleum and coal products	104.5	102.5	102.9	100.1	100.0	99.7	98.7	96.1	96.1	96.5	96.7	95.7	93.4
Rubber and misc. plastics products	103.3	103.6	100.6	99.0	96.3	94.3	90.0	94.0	92.3	94.0	94.6	95.3	95.9
Leather and leather products	91.2	91.0	89.3	90.1	88.3	85.1	79.1	79.5	79.5	79.5	78.1	78.1	75.7
SERVICE-PRODUCING	112.1	112.1	112.2	112.1	112.2	111.8	111.4	112.1	112.0	111.9	112.5	112.0	112.2
TRANSPORTATION AND PUBLIC UTILITIES	105.8	105.2	105.2	104.2	104.4	103.6	102.8	103.7	103.3	102.8	102.6	101.9	101.5
WHOLESALE AND RETAIL TRADE	106.7	106.9	106.8	106.2	106.3	105.4	105.2	106.3	105.9	105.5	106.5	105.8	106.0
WHOLESALE TRADE	112.3	112.4	112.0	111.6	111.8	111.0	109.7	110.7	110.2	109.5	110.3	109.9	109.2
RETAIL TRADE	104.6	104.8	104.9	104.1	104.3	103.3	103.4	104.6	104.2	103.9	105.1	104.2	104.8
FINANCE, INSURANCE, AND REAL ESTATE	117.6	117.9	117.4	117.6	117.4	117.4	116.9	116.8	117.1	117.0	117.9	117.5	117.8
SERVICES	119.4	119.3	119.6	120.4	120.6	120.8	120.3	120.9	121.1	121.5	121.8	121.7	121.8

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

^ppreliminary.

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Hourly Earnings Index² (1977=100)													
TOTAL PRIVATE (In current dollars).....	139.1	140.5	141.4	142.0	143.0	143.5	144.9	145.0	145.4	146.3	147.7	148.0	148.7
MINING..... ³	149.0	149.5	151.7	151.4	153.4	153.4	156.2	156.0	156.0	156.5	156.8	159.6	160.5
CONSTRUCTION.....	132.2	132.8	133.5	134.7	135.7	136.6	139.9	137.9	138.1	138.7	139.9	139.7	140.3
MANUFACTURING.....	142.4	143.5	144.7	145.4	146.4	146.9	148.9	149.1	149.9	150.8	151.8	152.5	153.3
TRANSPORTATION AND PUBLIC UTILITIES.....	139.0	141.6	141.5	142.3	143.5	144.3	145.5	146.0	146.3	146.9	148.2	149.0	148.0
WHOLESALE AND RETAIL TRADE.....	138.4	139.7	141.0	140.5	141.3	141.7	142.1	142.5	142.8	143.7	145.1	145.2	145.3
FINANCE, INSURANCE, AND REAL ESTATE.....	137.8	140.1	140.4	141.4	142.6	142.0	143.1	143.3	143.8	144.9	148.0	146.8	148.1
SERVICES.....	137.4	139.2	139.7	140.9	142.2	142.6	143.4	143.7	143.9	145.1	146.5	147.1	148.8
TOTAL PRIVATE (In 1977 dollars) ⁴	92.2	92.5	92.1	92.1	92.3	92.3	92.9	92.8	93.3	93.7	93.7	93.0	-
Average hourly earnings													
TOTAL PRIVATE.....	\$7.27	\$7.34	\$7.37	\$7.40	\$7.45	\$7.46	\$7.52	\$7.53	\$7.54	\$7.59	\$7.65	\$7.66	\$7.70
MINING.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION.....	10.82	10.90	10.95	11.06	11.14	11.22	11.52	11.34	11.39	11.43	11.54	11.51	11.55
MANUFACTURING.....	8.03	8.09	8.14	8.16	8.20	8.20	8.38	8.34	8.37	8.44	8.48	8.52	8.56
TRANSPORTATION AND PUBLIC UTILITIES.....	9.68	9.84	9.86	9.89	9.97	10.02	10.09	10.13	10.15	10.18	10.24	10.29	10.25
WHOLESALE AND RETAIL TRADE.....	5.94	5.98	6.03	6.03	6.06	6.08	6.09	6.10	6.12	6.16	6.20	6.21	6.22
FINANCE, INSURANCE, AND REAL ESTATE.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES.....	6.42	6.51	6.54	6.58	6.63	6.65	6.71	6.72	6.72	6.80	6.85	6.88	6.97
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars.....	256.63	258.37	257.95	259.74	261.50	261.10	258.69	263.55	263.15	264.89	267.75	266.57	268.73
1977 dollars ⁴	170.18	170.09	168.05	168.44	168.82	167.91	165.93	168.62	168.79	169.69	169.89	167.44	-

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-6.

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		
	May R1982	June R1982	July P1982	July 1981 to July 1982	May 1982 to June 1982	June 1982 to July 1982
TOTAL.....	167,989	166,497	166,792	-2.5	-0.9	0.2
PRIVATE SECTOR.....	136,787	135,792	135,971	-2.9	-0.7	0.1
MINING.....	2,582	2,494	2,488	-6.3	-3.4	-0.3
CONSTRUCTION.....	7,747	7,497	7,567	-5.4	-3.2	0.9
MANUFACTURING.....	39,057	38,809	38,656	-8.7	-0.6	-0.4
DURABLE GOODS.....	23,348	23,177	23,097	-10.3	-0.7	-0.3
NONDURABLE GOODS.....	15,709	15,632	15,559	-6.3	-0.5	-0.5
TRANSPORTATION AND PUBLIC UTILITIES.....	10,367	10,307	10,269	-3.6	-0.6	-0.4
WHOLESALE AND RETAIL TRADE.....	34,604	34,328	34,471	-0.6	-0.8	0.4
FINANCE, INSURANCE, AND REAL ESTATE.....	10,138	10,096	10,111	0.8	-0.4	0.1
SERVICES.....	32,292	32,261	32,410	2.6	-0.1	0.5
GOVERNMENT.....	31,202	30,705	30,821	-0.8	-1.6	0.4

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**

**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	IV	I	II	III	IV	I	II	III	IV	I	II
BUSINESS SECTOR:													
Output per hour of all persons	r98.9	r100.7	99.1	r99.3	r98.2	r98.9	r99.3	r100.7	r100.7	r101.0	100.2	r100.5	p101.2
Output	r106.2	r108.9	r107.9	r107.9	r104.7	r105.3	r107.0	r109.1	r109.1	r109.6	r107.8	r106.3	p106.7
Hours	r107.4	r108.2	r108.8	r108.7	r106.6	r106.5	r107.7	r108.3	r108.3	108.5	r107.5	r105.8	p105.5
Compensation per hour	r131.4	r144.1	r123.0	r126.7	r130.0	133.1	r136.1	r140.0	r142.5	r145.6	r148.2	r151.7	p154.3
Real compensation per hour	96.7	r96.0	r97.8	r97.0	r96.4	96.9	r96.2	r96.2	r96.4	r95.7	r95.6	r97.1	p97.6
Unit labor costs	r132.9	r143.1	r124.1	r127.6	r132.3	r134.7	r137.0	r139.0	r141.5	r144.2	r147.9	r151.0	p152.5
Unit nonlabor payments	r119.3	r135.2	r113.2	r116.0	r116.2	r120.6	r124.6	r131.8	r133.4	r137.4	r138.3	r136.3	p138.7
Implicit price deflator	r128.3	r140.4	r120.4	r123.7	r126.9	r129.9	r132.8	r136.5	r138.8	r141.9	r144.6	r146.0	p147.8
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	r98.5	r99.9	98.8	r98.7	r97.6	r98.4	r99.2	r100.4	r100.0	r100.0	r99.1	r99.7	p100.3
Output	r106.3	r108.6	r108.0	r107.9	r104.6	r105.3	r107.3	r109.2	r109.0	r109.1	r107.1	r106.0	p106.4
Hours	r108.0	r108.7	r109.2	r109.3	r107.2	r107.0	r108.2	r108.8	109.0	109.1	r108.1	r106.3	p106.1
Compensation per hour	r130.9	r143.6	r122.7	r126.2	r129.3	r132.6	r135.7	r139.5	r142.0	r145.1	r147.7	r151.3	p153.5
Real compensation per hour	r96.3	r95.7	r97.6	r96.6	96.0	r96.5	r95.9	r96.0	r96.0	r95.4	r95.3	r96.8	p97.2
Unit labor costs	r133.0	r143.8	r124.1	r127.8	r132.5	r134.7	136.8	r139.0	141.9	r145.1	r149.0	r151.7	p153.1
Unit nonlabor payments	r119.1	r134.8	r111.3	r115.2	r116.7	r120.3	r124.4	r131.5	r132.8	r136.7	r138.4	r136.6	p139.1
Implicit price deflator	r128.3	r140.8	r119.8	r123.6	r127.2	r129.9	r132.7	r136.5	r138.9	r142.3	r145.5	r146.6	p148.4
MANUFACTURING:													
Output per hour of all persons	101.7	r104.5	r101.9	r102.6	r100.4	r100.3	r103.6	r105.2	r105.0	105.0	r102.8	r102.1	p102.3
Output	103.6	r105.9	r107.9	r107.8	r101.6	99.9	r105.0	106.7	r107.5	r107.4	r102.0	r98.2	p96.9
Hours	r101.8	r101.3	r105.9	r105.1	r101.1	r99.6	r101.3	r101.5	r102.4	r102.3	r99.2	r96.2	p94.8
Compensation per hour	r132.8	r146.4	r122.6	r127.1	r130.9	r135.2	r138.4	r142.6	r144.9	r147.3	r150.7	154.7	p157.5
Real compensation per hour	r97.7	r97.5	r97.4	r97.3	r97.1	r98.5	r97.8	r98.0	97.9	r96.8	r97.2	99.0	p99.7
Unit labor costs	r130.6	r140.0	r120.3	r123.9	r130.3	r134.9	r133.6	r135.5	r138.0	r140.3	r146.6	r151.5	p154.0
DURABLE GOODS													
Output per hour of all persons	r100.3	r103.4	r100.7	r101.2	r99.2	r98.3	r102.2	r104.2	r104.0	r103.7	r101.5	r100.2	p100.4
Output	r103.5	r106.1	r109.3	r108.9	r101.4	r98.8	r104.9	r107.0	r108.2	r107.8	r101.6	r96.8	p95.2
Hours	103.2	r102.6	r108.5	r107.6	r102.2	r100.4	r102.7	r102.7	r104.0	r103.9	100.0	r96.5	p94.8
Compensation per hour	r132.6	r146.5	r121.6	r126.6	r130.4	r135.0	r138.5	r142.7	r144.7	r147.2	r151.0	r154.8	p157.7
Real compensation per hour	r97.5	r97.6	96.6	r96.9	r96.8	r98.3	r97.9	r98.2	r97.9	r96.7	r97.4	r99.1	p99.8
Unit labor costs	r132.2	r141.6	r120.7	125.1	r131.4	r137.3	r135.6	r137.0	r139.2	r142.0	r148.7	r154.4	p157.0
NONDURABLE GOODS													
Output per hour of all persons	r104.0	r106.2	r103.7	r104.7	r102.3	r103.2	r105.8	106.7	r106.5	r107.0	r104.6	r104.9	p105.1
Output	r103.7	r105.6	r105.8	r106.2	r101.8	r101.5	r105.1	r106.4	r106.5	r106.9	r102.6	r100.4	p99.5
Hours	r99.7	r99.4	102.0	r101.5	99.5	98.4	r99.3	r99.7	r99.9	r99.8	r98.1	r95.7	p94.7
Compensation per hour	r132.8	r145.6	r123.6	r127.2	r131.3	r135.4	r137.6	r141.8	r144.4	r146.7	r149.6	r154.3	p157.3
Real compensation per hour	r97.7	r97.0	r98.3	r97.3	r97.4	r98.6	r97.2	r97.5	r97.7	r96.5	r96.5	r98.8	p99.6
Unit labor costs	r127.7	r137.1	r119.1	r121.5	r128.4	r131.2	r130.1	r132.9	r135.6	r137.1	r143.1	r147.2	p149.7
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	r100.8	r102.7	r100.6	r100.8	r99.9	r101.2	r101.7	r102.9	r102.9	r102.9	r102.3	r103.1	N.A
Output	r108.1	r110.7	r109.9	r109.8	r106.5	r107.1	r109.0	r111.0	r111.1	r111.5	r109.4	r107.9	N.A
Hours	r107.2	r107.9	r109.2	r109.0	r106.6	r105.9	r107.1	r107.8	r108.0	r108.4	r107.0	r104.7	N.A
Compensation per hour	r131.6	r144.4	r123.1	r126.8	r130.0	r133.4	r136.5	r140.5	r142.9	r145.8	r148.7	r152.8	N.A
Real compensation per hour	r96.8	r96.2	r97.9	r97.1	r96.5	r97.2	r96.4	r96.6	r96.6	r95.8	r95.9	r97.8	N.A
Total unit costs	r131.0	r143.4	r121.4	r125.0	r130.4	r132.9	r135.8	r138.3	r141.7	r144.7	r149.1	r151.8	N.A
Unit labor costs	r130.5	r140.6	r122.4	r125.8	r130.2	r131.9	r134.1	r136.5	r138.9	r141.7	r145.4	r148.3	N.A
Unit nonlabor costs	r132.5	r151.4	r118.7	r122.7	r131.0	r135.7	r140.7	r143.4	r149.6	r153.1	r159.6	r161.8	N.A
Unit profits	r87.9	r101.6	r84.1	r91.1	r81.9	r87.8	r90.5	r104.7	r98.8	r105.2	r97.6	r86.1	N.A
Implicit price deflator	r126.1	r138.6	r117.1	r121.1	r124.8	r127.7	r130.6	r134.5	r136.8	r140.2	r143.2	r144.3	N.A

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**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 IV	1981 I	1981 II	1981 III	1981 IV	1982 I	1980 I	1980 II	1980 III	1980 IV	1981 I	1981 II
	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I	to 1982 II	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I	to 1982 II
BUSINESS SECTOR:												
Output per hour of all persons	r5.6	r0.0	r1.1	r-2.9	r0.8	p2.9	r1.4	r2.5	r2.2	r0.9	r-0.3	p0.5
Output	7.9	-0.1	r1.9	r-6.4	r-5.5	p1.7	r1.1	r4.1	r4.1	r0.7	r-2.6	p-2.2
Hours	r2.1	r-0.1	0.8	r-3.6	r-6.3	p-1.1	r-0.4	r1.6	r1.9	r-0.2	r-2.3	p-2.6
Compensation per hour	r11.7	r7.5	r9.0	r7.4	r9.6	p7.1	r10.5	r9.7	r9.4	r8.9	r8.4	p8.2
Real compensation per hour	r0.2	r0.5	r-2.6	r-0.4	r6.1	p2.4	r-0.7	r-0.1	r-1.3	r-0.6	r0.8	p1.3
Unit labor costs	r5.7	r7.5	r7.8	r10.6	8.6	p4.1	r8.9	r6.9	r7.1	r7.9	r8.6	p7.8
Unit nonlabor payments	r25.0	r4.9	r12.5	r2.9	r-5.9	p7.5	r13.7	r14.8	r13.9	r11.0	r3.4	p4.0
Implicit price deflator	r11.6	r6.6	r9.3	r8.0	r3.8	p5.2	r10.4	r9.4	r9.2	8.9	r6.9	p6.5
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	r4.9	r-1.3	r-0.3	r-3.5	r2.6	p2.3	r1.7	r2.5	r1.6	r-0.1	r-0.7	p0.2
Output	r7.2	r-0.8	r0.3	r-7.1	r-4.2	p1.8	r1.2	r4.2	r3.6	r-0.2	r-3.0	p-2.3
Hours	r2.2	r 0.5	r0.6	r-3.7	r-6.6	p-0.4	r-0.4	r1.6	r2.0	r-0.1	r-2.4	p-2.6
Compensation per hour	r11.8	r7.1	r9.0	r7.3	r10.1	p6.2	r10.6	r9.8	r9.4	r8.8	r8.4	p8.2
Real compensation per hour	r0.4	r0.1	r-2.6	r-0.5	r6.6	p1.5	r-0.6	r0.0	r-1.2	r-0.6	r0.9	p1.2
Unit labor costs	r6.6	r8.6	r9.3	r11.2	r7.4	p3.8	r8.8	r7.1	r7.7	r8.9	r9.1	p7.9
Unit nonlabor payments	r24.9	r4.0	r12.1	r5.1	r-5.1	p7.8	r14.1	r13.8	r13.6	r11.2	r3.8	p4.8
Implicit price deflator	r12.1	r7.1	r10.2	r9.2	r3.3	p5.0	r10.4	r9.2	r9.6	r9.6	r7.4	p6.9
MANUFACTURING:												
Output per hour of all persons	r6.3	r-0.7	r-0.1	r-8.2	r-2.6	p0.9	r2.6	r4.5	r4.7	r-0.8	-3.0	p-2.6
Output	r6.9	2.8	-0.4	-18.7	r-14.0	p-5.0	r-1.0	r5.8	r7.5	-2.9	r-8.0	p-9.8
Hours	r0.5	r3.6	r0.3	r-11.4	r-11.7	p-5.9	r-3.5	r1.2	r2.7	r-2.1	r-2.4	p-7.4
Compensation per hour	r12.7	r6.6	r6.8	r9.6	r11.1	p7.6	r12.2	r10.7	r8.9	r8.9	r8.5	p8.8
Real compensation per hour	r1.2	r-0.4	r-4.6	r1.6	r7.6	p2.9	r0.8	r0.9	r-1.7	r-0.6	r1.0	p1.8
Unit labor costs	r6.0	r7.3	r6.8	r19.4	r14.1	p6.7	r9.3	r5.9	r4.0	r9.8	r11.8	p11.6
DURABLE GOODS												
Output per hour of all persons	r8.2	r-0.7	r-1.3	r-8.0	r-5.1	p0.8	r3.0	r4.8	r5.4	r-0.6	-3.8	p-3.4
Output	r8.0	r4.5	r-1.6	-21.1	-17.6	p-6.2	r-1.7	r6.7	r9.1	r-3.2	-9.6	p-12.0
Hours	r-0.2	r5.3	r-0.3	r-14.2	r-13.2	p-7.0	r-4.6	r1.8	r3.5	r-2.6	r-6.0	p-8.8
Compensation per hour	r12.8	r5.7	r6.9	r10.9	r10.3	p7.7	r12.7	r11.0	r9.0	r9.1	r8.4	p8.9
Real compensation per hour	r1.3	r-1.2	r-4.5	r2.9	r6.8	p3.0	r1.3	r1.1	r-1.6	r-0.4	r0.9	p1.9
Unit labor costs	r4.3	r6.5	r8.3	r20.5	r16.1	p6.8	r9.5	r5.9	r3.4	r9.7	r12.7	p12.8
NONDURABLE GOODS												
Output per hour of all persons	r3.5	r-0.7	r1.8	r-8.8	r1.0	p0.9	r2.0	r4.2	r3.7	r-1.1	r-1.8	p-1.3
Output	r5.2	r0.3	r1.4	r-15.1	r-8.4	p-3.4	r0.1	r4.6	r5.3	r-2.4	-5.7	p-6.5
Hours	r1.6	r1.0	r-0.4	r-6.9	r-9.3	p-4.3	r-1.8	r0.4	r1.5	r-1.2	r-4.0	p-5.3
Compensation per hour	r12.8	r7.6	r6.5	r8.2	r13.2	p7.9	r11.5	r10.0	r8.4	r8.7	r8.8	p8.9
Real compensation per hour	r1.2	r0.6	r-4.8	r0.3	r9.6	p3.2	r0.2	r0.2	r-2.2	r-0.7	r1.3	p2.0
Unit labor costs	r9.0	r8.3	r4.6	r18.5	r12.1	p6.9	r9.4	r5.6	r4.5	r10.0	r10.8	p10.4
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	r4.7	r-0.2	r0.1	r-2.5	r3.2	N.A	r2.1	r3.0	r1.7	r0.5	r0.1	N.A
Output	r7.4	r0.6	r1.5	r-7.5	r-5.2	N.A	r1.0	r4.4	r4.1	r0.3	r-2.7	N.A
Hours	r2.6	r0.8	r1.3	r-5.1	r-8.2	N.A	r-1.1	r1.3	r2.4	r-0.2	r-2.9	N.A
Compensation per hour	r12.4	r7.1	r8.4	r8.1	r11.6	N.A	r10.8	r9.9	r9.3	r9.0	r8.8	N.A
Real compensation per hour	r0.9	r0.1	r-3.2	r0.3	r8.0	N.A	r-0.5	r0.2	r-1.4	r-0.5	r1.2	N.A
Total unit costs	r7.5	r10.2	r8.6	r12.8	r7.4	N.A	r10.6	r8.7	r8.9	r9.8	r9.7	N.A
Unit labor costs	r7.4	r7.3	r8.2	r10.9	r8.1	N.A	r8.5	r6.7	r7.5	r8.4	r8.6	N.A
Unit nonlabor costs	r8.0	r18.5	r9.8	r17.8	r5.7	N.A	r16.9	r14.2	r12.9	r13.4	r12.8	N.A
Unit profits	r79.5	r-20.8	r28.4	r-25.9	r-39.4	N.A	r14.9	r20.7	19.7	r7.9	r-17.8	N.A
Implicit price deflator	r12.3	r7.1	r10.2	r8.9	r3.0	N.A	r11.0	r9.6	r9.7	r9.6	r7.3	N.A

p=preliminary.
r=revised.

GPO 873-672

**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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
ALABAMA	\$281.29	\$283.75	\$290.14	40.3	39.3	39.8	\$6.98	\$7.22	\$7.29
Birmingham	312.40	312.42	318.37	40.0	38.1	39.5	7.81	8.20	8.06
Mobile	358.00	366.79	367.20	40.0	40.8	40.0	8.95	8.99	9.18
ALASKA	436.31	512.74	(*)	37.3	39.2	(*)	11.70	13.08	(*)
ARIZONA	316.01	340.65	346.92	39.7	39.2	39.2	7.96	8.69	8.85
ARKANSAS	250.22	256.74	262.40	40.1	38.9	39.4	6.24	6.60	6.66
Fayetteville—Springdale	225.68	234.08	234.30	40.3	38.5	38.6	5.60	6.08	6.07
Fort Smith	254.27	250.04	248.20	39.3	37.6	37.1	6.47	6.65	6.69
Little Rock—North Little Rock	283.61	303.76	303.00	40.4	39.5	39.3	7.02	7.69	7.71
Pine Bluff	320.02	357.86	359.53	41.4	42.2	42.1	7.73	8.48	8.54
CALIFORNIA	336.66	361.56	362.60	39.7	39.3	39.2	8.48	9.20	9.25
COLORADO	325.94	332.54	333.38	39.7	39.4	39.5	8.21	8.44	8.44
Denver—Boulder	323.11	333.20	338.12	39.5	39.2	39.5	8.18	8.50	8.56
CONNECTICUT	319.35	331.29	330.04	41.8	40.5	40.2	7.64	8.18	8.21
Bridgeport	340.49	344.87	346.92	43.1	41.5	41.3	7.90	8.31	8.40
Hartford	334.13	358.28	356.47	41.2	40.9	40.6	8.11	8.76	8.78
New Britain	335.20	325.01	338.15	42.7	39.3	40.4	7.85	8.27	8.37
New Haven—West Haven	299.95	311.20	311.08	40.1	38.9	38.5	7.48	8.00	8.08
Stamford	295.40	298.65	301.78	41.2	39.4	39.5	7.17	7.58	7.64
Waterbury	275.60	274.28	277.89	42.4	40.1	40.1	6.50	6.84	6.93
DELAWARE	357.18	344.96	336.49	43.4	39.2	38.9	8.23	8.80	8.65
Wilmington	400.78	406.53	405.30	42.5	39.7	38.6	9.43	10.24	10.50
DISTRICT OF COLUMBIA:									
Washington SMSA	347.88	366.17	361.68	39.0	39.5	38.6	8.92	9.27	9.37
FLORIDA	263.09	269.01	272.25	40.6	39.1	39.4	6.48	6.88	6.91
Fort Lauderdale—Hollywood	251.54	261.69	259.90	40.9	39.0	39.2	6.15	6.71	6.63
Jacksonville	315.42	310.46	317.60	42.0	39.6	39.8	7.51	7.84	7.98
Lakeland—Winter Haven	312.40	292.94	302.66	44.0	40.8	40.9	7.10	7.18	7.40
Miami	226.69	227.29	230.47	39.7	38.2	38.8	5.71	5.95	5.94
Orlando	281.93	307.19	307.09	41.4	41.4	41.0	6.81	7.42	7.49
Pensacola	332.90	326.40	326.63	42.9	40.0	39.4	7.76	8.16	8.29
Tampa—St. Petersburg	266.09	267.74	271.26	40.5	39.2	39.2	6.57	6.83	6.92
West Palm Beach—Boca Raton	291.21	288.21	292.93	41.9	39.0	39.8	6.95	7.39	7.36
GEORGIA	257.22	262.64	267.42	40.7	39.2	39.5	6.32	6.70	6.77
Atlanta	306.68	319.98	327.62	40.3	39.7	40.1	7.61	8.06	8.17
Savannah	367.36	366.79	381.50	44.8	43.0	43.6	8.20	8.53	8.75
HAWAII	276.36	296.35	288.10	37.6	37.8	36.7	7.35	7.84	7.85
Honolulu	270.42	291.78	283.14	37.3	37.6	36.3	7.25	7.76	7.80
IDAHO	304.79	314.34	324.01	36.9	37.6	37.2	8.26	8.36	8.71
Boise City	274.52	300.94	299.75	37.4	36.7	36.6	7.34	8.20	8.19
ILLINOIS	359.88	365.34	363.92	40.3	39.2	39.3	8.93	9.32	9.26
Bloomington—Normal	330.40	334.78	338.71	40.0	38.0	38.1	8.26	8.81	8.89
Champaign—Urbana—Rantoul	308.27	338.22	377.07	38.2	39.1	41.3	8.07	8.65	9.13
Chicago SMSA	331.20	343.88	350.95	40.0	38.9	39.3	8.28	8.84	8.93
Davenport—Rock Island—Moline	436.30	466.44	466.41	39.7	39.0	38.9	10.99	11.96	11.99
Decatur	421.34	450.04	450.04	39.9	39.1	39.1	10.56	11.51	11.51
Kankakee	285.38	307.88	319.17	36.4	37.5	38.5	7.84	8.21	8.29
Peoria	474.80	479.88	471.17	40.3	37.2	37.1	11.87	12.90	12.70
Rockford	356.00	354.88	365.38	40.0	38.7	39.5	8.90	9.17	9.25
Springfield	385.92	436.65	447.84	39.5	41.0	41.2	9.77	10.65	10.87
INDIANA	379.20	381.81	388.08	40.6	39.2	39.6	9.34	9.74	9.80
Gary—Hammond—East Chicago	502.25	488.42	(*)	40.8	37.6	(*)	12.31	12.99	(*)
Indianapolis	383.16	385.26	(*)	41.2	39.8	(*)	9.30	9.68	(*)
IOWA	377.55	386.54	388.32	39.7	38.5	38.6	9.51	10.04	10.06
Cedar Rapids	373.03	395.58	407.82	39.6	39.4	40.1	9.42	10.04	10.17
Des Moines	369.27	406.45	407.67	37.3	38.2	38.1	9.90	10.64	10.70

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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
IOWA—Continued									
Dubuque	\$419.34	\$417.47	\$412.92	38.9	38.3	37.2	\$10.78	\$10.90	\$11.10
Sioux City	287.60	359.24	357.69	38.5	40.5	40.6	7.47	8.87	8.81
Waterloo—Cedar Falls	504.32	517.78	528.64	39.4	38.1	38.7	12.80	13.59	13.66
KANSAS									
Topeka	321.18	331.87	340.08	40.4	38.5	39.0	7.95	8.62	8.72
Wichita	342.86	313.17	314.64	40.1	36.8	36.8	8.55	8.51	8.55
Wichita	358.66	367.29	364.43	41.9	38.5	38.2	8.56	9.54	9.54
KENTUCKY									
Lexington—Fayette	314.81	318.52	320.32	39.9	38.1	38.5	7.89	8.36	8.32
Louisville	329.54	354.92	375.97	39.8	39.7	41.0	8.28	8.94	9.17
Louisville	368.02	374.42	384.35	39.7	38.8	40.5	9.27	9.65	9.49
LOUISIANA									
Baton Rouge	361.25	373.06	378.55	42.4	40.2	40.4	8.52	9.28	9.37
New Orleans	454.30	458.49	472.06	42.3	40.9	41.3	10.74	11.21	11.43
Shreveport	348.91	362.40	364.31	41.0	40.0	39.3	8.51	9.06	9.27
Shreveport	300.11	327.60	342.79	40.5	40.0	41.3	7.41	8.19	8.30
MAINE									
Lewiston—Auburn	268.62	278.50	284.31	40.7	39.9	40.1	6.60	6.98	7.09
Portland	218.44	229.96	232.16	39.5	38.2	38.5	5.53	6.02	6.03
Portland	245.87	273.39	274.77	38.5	39.0	38.7	6.49	7.01	7.10
MARYLAND									
Baltimore	333.20	333.45	342.34	40.0	39.0	39.9	8.33	8.55	8.58
Baltimore	350.61	354.52	366.87	40.3	39.7	40.9	8.70	8.93	8.97
MASSACHUSETTS									
Boston	284.72	295.81	296.21	40.5	39.6	39.6	7.03	7.47	7.48
Brockton	305.78	318.78	319.60	40.5	39.6	39.9	7.55	8.05	8.01
Fall River	224.14	238.70	232.73	39.6	38.5	37.0	5.66	6.20	6.29
Lawrence—Haverhill	214.45	204.26	220.58	38.5	35.4	37.9	5.57	5.77	5.82
Lowell	292.63	297.83	299.34	40.7	39.5	39.7	7.19	7.54	7.54
New Bedford	258.08	261.30	268.37	40.2	39.0	39.7	6.42	6.70	6.76
Springfield—Chicopee—Holyoke	243.07	262.36	265.78	38.4	39.1	39.2	6.33	6.71	6.78
Worcester	286.90	301.59	303.96	41.4	40.7	40.8	6.93	7.41	7.45
Worcester	291.60	301.48	303.03	40.5	38.8	38.9	7.20	7.77	7.79
MICHIGAN									
Ann Arbor	441.60	461.51	474.47	41.8	40.9	41.6	10.56	11.28	11.40
Battle Creek	495.93	513.63	512.45	43.7	43.2	42.9	11.36	11.90	11.94
Bay City	424.90	447.42	463.18	41.4	38.5	39.3	10.26	11.61	11.80
Detroit	400.94	367.41	401.77	42.0	39.0	41.0	9.54	9.42	9.80
Flint	475.44	506.24	515.79	42.4	42.4	42.9	11.21	11.94	12.01
Grand Rapids	529.85	531.26	578.06	43.3	40.4	42.3	12.25	13.15	13.66
Jackson	356.29	367.04	374.76	40.5	38.9	39.8	8.79	9.44	9.42
Kalamazoo—Portage	417.19	397.58	403.55	44.4	40.3	40.4	9.40	9.86	9.99
Lansing—East Lansing	427.42	402.71	402.29	41.6	39.3	39.3	10.28	10.26	10.23
Muskegon—Norton Shores—Muskegon Heights	479.54	473.58	494.51	39.3	39.3	40.5	12.19	12.05	12.20
Saginaw	368.33	361.95	369.61	41.2	38.1	38.6	8.94	9.50	9.59
Saginaw	538.10	517.21	574.84	42.6	40.6	43.7	12.63	12.75	13.16
MINNESOTA									
Duluth—Superior	330.62	354.76	356.57	39.5	39.2	39.4	8.37	9.05	9.05
Minneapolis—St. Paul	329.11	365.24	374.92	39.7	40.9	39.3	8.29	8.93	9.54
St. Cloud	348.88	373.67	375.41	39.6	39.5	39.6	8.81	9.46	9.48
St. Cloud	245.32	252.96	253.48	35.4	34.0	34.3	6.93	7.44	7.39
MISSISSIPPI									
Jackson	237.21	248.32	252.80	39.8	38.8	39.5	5.96	6.40	6.40
Jackson	258.73	276.71	289.07	40.3	39.7	40.6	6.42	6.97	7.12
MISSOURI									
Kansas City	316.40	331.57	336.08	40.0	39.1	39.4	7.91	8.48	8.53
St. Joseph	365.52	382.18	375.00	40.3	39.4	38.9	9.07	9.70	9.64
St. Louis	281.64	299.92	295.91	39.5	38.6	37.6	7.13	7.77	7.87
Springfield	356.31	376.14	383.50	39.9	39.1	39.7	8.93	9.62	9.66
Springfield	307.84	299.83	302.09	41.1	40.3	41.1	7.49	7.44	7.35
MONTANA									
.....	372.30	382.48	405.00	42.5	39.8	41.2	8.76	9.61	9.83
NEBRASKA									
Lincoln	325.60	331.10	325.91	40.7	39.7	39.6	8.00	8.34	8.23
Omaha	306.94	311.08	311.92	39.2	37.3	37.4	7.83	8.34	8.34
Omaha	325.44	335.34	329.99	39.4	38.5	37.8	8.26	8.71	8.73
NEVADA									
Las Vegas	313.18	322.45	318.45	38.1	36.6	36.9	8.22	8.81	8.63
Las Vegas	358.29	397.58	(*)	38.7	38.6	(*)	10.24	10.30	(*)

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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
NEW HAMPSHIRE	\$254.23	\$272.05	\$275.02	40.1	39.6	39.8	\$6.34	\$6.87	\$6.91
Manchester	238.76	253.09	256.71	39.4	39.3	39.8	6.06	6.44	6.45
Nashua	276.59	303.81	310.08	39.4	39.1	39.5	7.02	7.77	7.85
NEW JERSEY	325.68	343.26	345.37	40.7	40.1	40.3	8.01	8.56	8.57
Atlantic City	245.23	251.60	(*)	37.1	37.0	(*)	6.61	6.80	(*)
Camden	331.67	341.82	(*)	40.3	39.7	(*)	8.23	8.61	(*)
Hackensack	291.48	293.92	(*)	41.7	39.4	(*)	6.99	7.46	(*)
Jersey City	308.56	328.03	(*)	40.6	40.2	(*)	7.60	8.16	(*)
New Brunswick—Perth Amboy—Sayreville	375.48	404.88	(*)	42.0	42.0	(*)	8.94	9.64	(*)
Newark	337.77	360.04	(*)	41.7	41.1	(*)	8.10	8.76	(*)
Paterson—Clifton—Passaic	319.73	307.04	(*)	43.5	40.4	(*)	7.35	7.60	(*)
Trenton	321.75	362.91	(*)	39.2	40.1	(*)	8.23	9.05	(*)
NEW MEXICO	259.26	275.10	277.38	40.7	39.3	39.4	6.37	7.00	7.04
Albuquerque	264.04	296.77	294.78	41.0	39.1	39.2	6.44	7.59	7.52
NEW YORK	309.28	322.87	(*)	39.6	38.9	(*)	7.81	8.30	(*)
Albany—Schenectady—Troy	330.08	332.74	337.59	40.6	39.1	39.3	8.13	8.51	8.59
Binghamton	289.93	287.12	293.13	41.3	40.1	40.6	7.02	7.16	7.22
Buffalo	415.34	428.53	441.45	40.6	39.9	40.5	10.23	10.74	10.90
Elmira	316.20	336.40	341.54	40.8	40.0	39.9	7.75	8.41	8.56
Monroe County	416.94	443.31	449.60	41.2	41.2	41.4	10.12	10.76	10.86
Nassau—Suffolk	295.54	316.79	318.78	40.1	39.5	39.6	7.37	8.02	8.05
New York—Northeastern New Jersey	294.92	310.44	(*)	39.8	39.0	(*)	7.41	7.96	(*)
New York and Nassau—Suffolk	268.48	283.88	284.24	38.3	37.6	37.4	7.01	7.55	7.60
New York SMSA	261.20	274.91	274.16	37.8	37.1	36.8	6.91	7.41	7.45
New York City	254.76	267.91	269.37	37.3	36.6	36.5	6.83	7.32	7.38
Poughkeepsie	327.24	321.07	321.88	43.4	40.9	40.9	7.54	7.85	7.87
Rochester	392.78	419.43	425.18	41.0	41.0	41.2	9.58	10.23	10.32
Rockland County	300.70	317.75	322.76	40.2	38.1	38.7	7.48	8.34	8.34
Syracuse	341.11	357.54	352.84	40.9	40.4	39.6	8.34	8.85	8.91
Utica—Rome	301.02	304.98	301.85	40.9	39.0	39.1	7.36	7.82	7.72
Westchester County	310.38	328.68	308.89	42.0	41.5	39.5	7.39	7.92	7.82
NORTH CAROLINA	231.66	235.75	239.78	39.6	37.6	38.0	5.85	6.27	6.31
Asheville	229.43	234.35	237.90	39.9	38.8	39.0	5.75	6.04	6.10
Charlotte—Gastonia	240.31	241.67	245.60	40.8	38.3	38.8	5.89	6.31	6.33
Greensboro—Winston-Salem—High Point	252.98	254.29	263.67	39.1	36.8	37.4	6.47	6.91	7.05
Raleigh—Durham	268.94	277.59	278.89	40.2	38.5	38.1	6.69	7.21	7.32
NORTH DAKOTA	271.60	280.09	280.50	38.2	37.0	37.3	7.11	7.57	7.52
Fargo—Moorhead	286.50	282.36	297.42	37.5	37.3	37.6	7.64	7.57	7.91
OHIO	397.44	403.61	412.09	41.4	40.2	40.6	9.60	10.04	10.15
Akron	404.07	400.98	405.15	42.4	41.0	41.3	9.53	9.78	9.81
Canton	394.30	394.06	405.34	40.4	38.9	39.7	9.76	10.13	10.21
Cincinnati	358.90	386.92	392.90	41.3	40.6	40.8	8.69	9.53	9.63
Cleveland	411.18	409.86	420.86	42.0	40.5	41.1	9.79	10.12	10.24
Columbus	345.14	368.02	373.86	39.9	39.7	40.2	8.65	9.27	9.30
Dayton	410.98	402.40	429.30	42.5	40.0	41.2	9.67	10.06	10.42
Toledo	411.76	447.31	457.87	41.3	41.0	41.7	9.97	10.91	10.98
Youngstown—Warren	484.38	459.81	467.60	41.4	39.3	40.0	11.70	11.70	11.69
OKLAHOMA	327.24	340.34	346.00	40.4	39.3	40.0	8.10	8.66	8.65
Oklahoma City	340.69	350.95	361.67	39.8	39.3	39.7	8.56	8.93	9.11
Tulsa	358.48	368.24	368.94	41.3	39.3	39.0	8.68	9.37	9.46
OREGON	357.95	381.90	394.98	37.6	38.0	36.8	9.52	10.05	10.18
Eugene—Springfield	366.00	389.88	(*)	38.6	38.0	(*)	10.00	10.26	(*)
Jackson County	347.63	356.57	(*)	37.1	38.8	(*)	9.37	9.19	(*)
Portland	360.75	377.63	(*)	38.5	37.5	(*)	9.37	10.07	(*)
Salem	311.75	326.55	361.90	34.6	35.0	35.0	8.98	9.33	10.34
PENNSYLVANIA	325.05	326.61	329.18	39.4	38.2	38.5	8.25	8.55	8.55
Allentown—Bethlehem—Easton	326.32	325.68	330.13	38.3	36.8	37.6	8.52	8.85	8.78
Altoona	284.71	287.96	286.83	40.1	39.5	39.4	7.10	7.29	7.28
Delaware Valley	336.47	338.24	337.85	40.2	38.7	38.7	8.37	8.74	8.73
Erie	351.10	358.38	358.89	41.6	39.6	39.7	8.44	9.05	9.04
Harrisburg	304.07	321.48	319.99	39.8	38.5	38.6	7.64	8.35	8.29
Johnstown	329.88	312.02	316.09	37.7	35.7	36.5	8.75	8.74	8.66

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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
PENNSYLVANIA—Continued									
Lancaster	\$285.26	\$294.53	\$298.76	39.4	38.3	38.8	\$7.24	\$7.69	\$7.70
Northeast Pennsylvania	231.23	254.45	257.74	36.3	37.2	37.3	6.37	6.84	6.91
Philadelphia SMSA	334.49	338.34	(*)	40.3	38.8	(*)	8.30	8.72	(*)
Pittsburgh	399.37	399.92	397.13	40.3	37.8	37.5	9.91	10.58	10.59
Reading	305.27	317.29	316.36	39.8	38.6	38.3	7.67	8.22	8.26
Williamsport	298.23	303.80	311.66	39.5	39.2	39.5	7.55	7.75	7.89
York	303.89	305.34	315.61	40.9	38.7	39.6	7.43	7.89	7.97
RHODE ISLAND									
Providence—Warwick—Pawtucket	242.61	257.94	259.62	40.1	39.2	39.1	6.05	6.58	6.64
	241.60	254.41	256.50	40.2	39.2	39.1	6.01	6.49	6.56
SOUTH CAROLINA									
Charleston—North Charleston	245.08	252.95	253.48	40.9	38.5	38.7	6.09	6.57	6.55
Columbia	263.74	273.26	281.94	38.9	37.9	38.1	6.78	7.21	7.40
Greenville—Spartanburg	243.61	247.15	241.12	40.2	38.2	37.5	6.06	6.47	6.43
	247.20	249.60	250.90	41.2	38.4	38.9	6.00	6.50	6.45
SOUTH DAKOTA									
Sioux Falls	281.37	297.60	299.60	41.5	40.0	40.0	6.78	7.44	7.49
	370.98	426.50	419.43	45.8	44.8	43.6	8.10	9.52	9.62
TENNESSEE									
Chattanooga	273.50	275.41	282.66	40.7	38.9	39.7	6.72	7.08	7.12
Knoxville	270.58	267.42	274.40	41.5	38.7	39.2	6.52	6.91	7.00
Memphis	293.09	316.34	319.90	39.5	39.2	39.3	7.42	8.07	8.14
Nashville—Davidson	299.36	311.20	319.39	40.4	40.0	41.0	7.41	7.78	7.79
	302.81	316.79	325.48	40.7	40.1	41.2	7.44	7.90	7.90
TEXAS									
Dallas—Fort Worth	327.85	339.65	347.90	41.5	40.1	40.5	7.90	8.47	8.59
Houston	312.30	323.60	332.09	41.2	40.0	40.4	7.58	8.09	8.22
San Antonio	416.21	424.51	435.50	43.4	41.7	42.2	9.59	10.18	10.32
	234.09	249.46	253.94	40.5	40.3	40.5	5.78	6.19	6.27
UTAH									
Salt Lake City—Ogden	303.64	320.32	323.33	39.9	38.5	38.4	7.61	8.32	8.42
	295.57	317.77	317.89	40.6	38.8	38.3	7.28	8.19	8.30
VERMONT									
Burlington	269.05	280.19	284.65	39.8	38.7	39.1	6.76	7.24	7.28
Springfield	303.60	317.02	314.81	42.7	40.8	39.9	7.11	7.77	7.89
	317.54	301.84	307.33	41.4	39.2	39.2	7.67	7.70	7.84
VIRGINIA									
Bristol	271.48	282.85	286.16	40.1	38.8	39.2	6.77	7.29	7.30
Lynchburg	222.64	242.41	248.18	36.8	37.7	38.3	6.05	6.43	6.48
Norfolk—Virginia Beach—Portsmouth	271.58	243.95	251.66	40.9	35.0	35.9	6.64	6.97	7.01
Petersburg—Colonial Heights—Hopewell	288.93	313.74	318.17	41.1	41.5	41.7	7.03	7.56	7.63
Richmond	288.80	301.07	308.11	39.4	39.1	39.3	7.33	7.70	7.84
Roanoke	352.87	378.63	386.88	40.7	39.4	40.3	8.67	9.61	9.60
	350.80	355.94	355.68	40.0	38.9	39.0	8.77	9.15	9.12
	244.68	256.50	256.47	38.9	39.1	38.8	6.29	6.56	6.61
WASHINGTON									
Seattle—Everett	408.20	428.06	(*)	39.1	39.2	(*)	10.44	10.92	(*)
	422.14	(*)	(*)	39.9	(*)	(*)	10.58	(*)	(*)
WEST VIRGINIA									
Charleston	342.78	357.82	365.72	39.4	38.6	38.7	8.70	9.27	9.45
Huntington—Ashland	419.44	433.42	435.34	42.8	41.2	41.5	9.80	10.52	10.49
Parkersburg—Marietta	395.57	399.81	407.74	40.2	37.4	36.8	9.84	10.69	11.08
Wheeling	393.30	411.28	413.50	42.2	40.6	40.9	9.32	10.13	10.11
	384.35	373.00	406.21	39.1	37.3	39.4	9.83	10.00	10.31
WISCONSIN									
Appleton—Oshkosh	354.48	368.94	369.12	40.5	39.4	39.5	8.76	9.36	9.34
Eau Claire	351.62	359.76	359.92	42.3	40.3	40.3	8.32	8.94	8.93
Green Bay	348.57	346.68	356.91	41.6	39.6	40.5	8.38	8.75	8.81
Janesville—Beloit	375.15	402.45	413.71	42.1	41.8	42.6	9.02	9.63	9.70
Kenosha	368.27	409.65	391.56	39.1	40.8	39.3	9.42	10.04	9.97
La Crosse	415.51	428.30	412.47	41.1	38.9	38.5	10.12	11.02	10.71
Madison	306.16	336.49	318.72	40.7	38.8	37.6	7.52	8.68	8.47
Milwaukee	332.42	377.26	375.73	39.0	39.5	39.5	8.52	9.55	9.52
Racine	386.62	407.17	409.32	40.2	39.4	39.5	9.62	10.34	10.38
	379.67	392.96	390.78	40.2	39.1	39.1	9.44	10.05	10.00
WYOMING									
	312.03	332.99	313.12	39.8	38.1	38.0	7.84	8.74	8.24

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		
	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P	JUNE 1981	MAY 1982	JUNE 1982P
VIRGIN ISLANDS	\$349.86	\$406.16	\$404.06	42.0	41.7	41.4	\$8.33	\$9.74	\$9.76

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		
	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P
ALABAMA	1,676.2	1,713.8	1,706.6	190.9	229.1	237.7	11.4	13.4	13.9
Birmingham	378.0	381.6	381.4	43.9	46.1	49.4	11.6	12.1	13.0
Huntsville	143.0	148.3	148.6	16.1	16.4	19.0	11.2	11.1	12.8
Mobile	193.3	193.7	194.9	20.1	25.8	26.5	10.4	13.3	13.6
Montgomery	122.9	123.6	124.6	12.7	14.4	15.8	10.3	11.6	12.7
Tuscaloosa	54.4	55.5	54.0	6.1	6.7	6.7	11.2	12.1	12.4
ALASKA	199.3	202.0	208.0	18.4	20.4	20.8	9.2	10.1	10.0
ARIZONA	1,257.3	1,308.8	1,310.0	78.0	120.8	137.9	6.2	9.2	10.5
Phoenix	767.7	796.7	794.2	38.8	58.1	63.4	5.1	7.3	8.0
Tucson	226.6	239.9	241.7	12.0	20.2	23.8	5.3	8.4	9.9
ARKANSAS	1,051.5	1,026.6	1,023.1	100.2	94.6	98.0	9.5	9.2	9.6
Fayetteville-Springdale	81.1	81.0	79.8	4.6	5.2	5.7	5.6	6.4	7.1
Fort Smith ¹	92.4	87.0	87.3	8.0	9.7	10.1	8.6	11.2	11.6
Little Rock—North Little Rock	201.4	194.9	197.4	16.9	15.2	16.1	8.4	7.8	8.1
Pine Bluff	42.0	40.1	40.4	4.7	4.1	4.6	11.3	10.2	11.3
CALIFORNIA²	11,702.9	12,067.8	12,145.5	789.1	1,084.5	1,137.6	6.7	9.0	9.4
Anaheim—Santa Ana—Garden Grove	1,161.4	1,202.0	1,210.3	50.3	76.6	85.1	4.3	6.4	7.0
Bakersfield	199.5	202.8	208.3	14.2	21.7	21.6	7.1	10.7	10.4
Fresno	282.5	287.2	297.1	24.2	37.4	36.1	8.6	13.0	12.2
Los Angeles—Long Beach ²	3,683.0	3,784.0	3,775.0	240.0	317.0	334.0	6.5	8.4	8.8
Modesto	133.8	141.0	142.9	19.3	26.6	27.2	14.4	18.8	19.0
Oxnard—Simi Valley—Ventura	245.7	259.9	262.7	17.3	23.9	26.6	7.0	9.2	10.1
Riverside—San Bernardino—Ontario	599.3	628.2	633.5	45.8	67.6	73.5	7.6	10.8	11.6
Sacramento	488.6	506.6	507.6	38.6	54.2	55.0	7.9	10.7	10.8
Salinas—Seaside—Monterey	138.2	142.1	144.5	10.4	12.3	12.2	7.6	8.7	8.4
San Diego	789.5	816.1	820.0	51.6	70.6	77.6	6.5	8.6	9.5
San Francisco—Oakland	1,671.6	1,722.9	1,736.5	94.4	123.5	131.2	5.6	7.2	7.6
San Jose	784.6	810.7	819.5	46.8	56.9	61.7	6.0	7.0	7.5
Santa Barbara—Santa Maria—Lompoc	153.4	158.7	159.2	8.0	10.8	11.9 ²	5.2	6.8	7.5
Santa Rosa	140.2	146.3	148.0	10.1	14.2	14.9	7.2	9.7	10.0
Stockton	177.7	178.5	183.9	18.0	26.7	27.4	10.1	15.0	14.9
Vallejo—Fairfield—Napa	132.8	138.0	138.7	9.4	12.7	13.2	7.1	9.2	9.5
COLORADO	1,559.7	1,555.0	1,588.2	88.4	107.4	114.6	5.7	6.9	7.2
Denver—Boulder	925.6	926.5	941.0	49.0	55.1	59.4	5.3	5.9	6.3
CONNECTICUT	1,611.5	1,627.2	1,637.9	98.7	105.2	113.6	6.1	6.5	6.9
Bridgeport	193.9	196.6	197.2	11.9	14.0	15.1	6.1	7.1	7.7
Hartford	390.1	394.3	397.9	22.0	22.9	25.4	5.6	5.8	6.4
New Britain	75.1	75.9	75.6	5.1	6.2	7.3	6.8	8.1	9.6
New Haven—West Haven	201.0	202.8	204.5	14.0	13.3	14.9	7.0	6.6	7.3
Stamford	125.1	125.7	127.1	4.8	4.2	4.5	3.8	3.4	3.5
Waterbury	107.8	110.1	111.3	7.8	9.5	10.2	7.3	8.7	9.2
DELAWARE	295.3	305.9	309.5	22.4	21.9	27.9	7.6	7.2	9.0
Wilmington ¹	258.7	268.1	269.3	19.7	20.0	26.3	7.6	7.5	9.8
DISTRICT OF COLUMBIA	312.2	308.7	313.8	29.2	32.9	35.6	9.3	10.6	11.3
Washington SMSA ¹	1,712.1	1,704.5	1,723.2	93.9	101.8	109.1	5.5	6.0	6.3
FLORIDA²	4,557.2	4,710.1	4,763.3	291.8	345.8	365.6	6.4	7.3	7.7
Daytona Beach	111.1	114.3	116.1	6.1	7.0	7.4	5.5	6.2	6.4
Fort Lauderdale—Hollywood	484.1	497.7	500.0	24.4	32.5	32.4	5.0	6.5	6.5
Fort Myers—Cape Coral	93.9	101.7	101.7	4.8	7.6	7.7	5.1	7.4	7.5
Gainesville	79.0	81.4	82.2	3.3	3.9	3.7	4.2	4.8	4.5
Jacksonville	340.6	355.6	363.2	21.2	23.7	25.7	6.2	6.7	7.1
Lakeland—Winter Haven	149.9	153.9	151.1	16.1	20.6	23.2	10.7	13.4	15.4
Melbourne—Titusville—Cocoa	126.0	126.0	127.1	10.3	9.5	10.3	8.2	7.5	8.1
Miami	826.1	842.3	853.7	52.5	66.8	66.6	6.4	7.9	7.8
Orlando	371.9	382.6	390.2	24.7	23.1	25.1	6.6	6.0	6.4
Pensacola	124.4	126.8	130.0	7.0	7.7	8.9	5.6	6.1	6.9
Sarasota	79.2	85.4	86.2	3.8	5.5	5.7	4.8	6.4	6.7
Tallahassee	88.5	87.7	89.2	4.4	3.8	4.0	4.9	4.3	4.5
Tampa—St. Petersburg	706.6	739.5	746.8	40.0	49.5	52.2	5.7	6.7	7.0
West Palm Beach—Boca Raton	269.9	282.0	282.1	18.7	21.5	23.7	6.9	7.6	8.4

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		
	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P
GEORGIA	2,605.7	2,663.4	2,682.6	164.3	196.0	216.1	6.3	7.4	8.1
Albany.....	53.9	55.2	56.2	4.4	4.5	5.5	8.2	8.2	9.7
Atlanta.....	1,073.3	1,107.0	1,111.2	58.9	67.0	72.9	5.5	6.1	6.6
Augusta.....	130.9	137.3	138.1	9.8	11.8	12.8	7.5	8.6	9.2
Columbus ¹	90.7	89.2	91.0	7.4	8.3	10.5	8.1	9.4	11.5
Macon.....	107.0	109.6	110.1	7.3	6.9	7.3	6.8	6.3	6.6
Savannah.....	96.1	100.5	101.8	5.7	7.3	7.6	5.9	7.3	7.4
HAWAII	456.2	452.0	456.8	26.7	29.1	35.4	5.9	6.4	7.7
Honolulu.....	351.9	348.4	350.5	19.1	20.4	24.9	5.4	5.9	7.1
IDAHO	441.1	439.7	446.7	31.2	43.5	40.8	7.1	9.9	9.1
Boise City.....	92.0	91.2	92.2	5.6	6.7	6.5	6.1	7.4	7.1
ILLINOIS²	5,669.0	5,548.3	5,707.9	479.9	586.4	669.6	8.5	10.6	11.7
Bloomington—Normal.....	61.8	60.7	62.9	3.7	4.6	5.6	6.1	7.6	8.9
Champaign—Urbana—Rantoul.....	84.8	87.4	87.4	5.5	6.0	6.6	6.5	6.9	7.5
Chicago.....	3,547.0	3,464.4	3,568.0	284.4	343.8	391.4	8.0	9.9	11.0
Davenport—Rock Island—Moline ¹	191.7	N.A.	N.A.	15.6	N.A.	N.A.	8.1	N.A.	N.A.
Decatur.....	63.4	66.6	65.0	6.8	12.3	10.5	10.8	18.4	16.2
Kankakee.....	42.2	42.0	44.1	4.8	6.3	7.6	11.3	15.0	17.2
Peoria.....	177.3	172.7	182.7	14.4	20.5	29.0	8.1	11.9	15.9
Rockford.....	138.4	136.2	142.2	13.4	25.7	27.1	9.7	18.8	19.1
Springfield.....	99.8	98.3	101.1	6.6	6.6	7.5	6.7	6.7	7.4
INDIANA	2,648.4	2,568.1	2,570.9	263.4	290.2	296.1	9.9	11.3	11.5
Anderson.....	56.0	54.3	54.1	6.0	7.9	7.4	10.7	14.6	13.8
Elkhart.....	68.3	64.9	66.0	6.3	5.7	6.0	9.2	8.8	9.0
Evansville ¹	150.9	N.A.	N.A.	12.9	N.A.	N.A.	8.5	N.A.	N.A.
Fort Wayne.....	194.6	187.0	187.5	19.0	21.8	22.3	9.7	11.7	11.9
Gary—Hammond—East Chicago.....	299.3	288.6	290.8	34.2	43.7	45.4	11.4	15.2	15.6
Indianapolis.....	619.2	600.2	604.0	52.5	52.3	55.0	8.5	8.7	9.1
Lafayette—West Lafayette.....	60.2	61.7	59.5	4.6	4.9	5.2	7.6	7.9	8.8
Muncie.....	56.8	56.4	54.4	7.4	7.6	7.4	12.9	13.4	13.5
South Bend.....	137.9	133.7	134.1	12.9	13.0	12.9	9.3	9.7	9.6
Terre Haute.....	80.6	75.8	74.9	8.6	8.4	8.9	10.7	11.1	11.9
IOWA	1,479.4	N.A.	N.A.	106.2	N.A.	N.A.	7.2	N.A.	N.A.
Cedar Rapids.....	89.5	N.A.	N.A.	8.1	N.A.	N.A.	9.0	N.A.	N.A.
Des Moines.....	186.5	N.A.	N.A.	14.8	N.A.	N.A.	7.9	N.A.	N.A.
Dubuque.....	45.7	N.A.	N.A.	4.9	N.A.	N.A.	10.7	N.A.	N.A.
Sioux City ¹	56.2	N.A.	N.A.	4.9	N.A.	N.A.	8.7	N.A.	N.A.
Waterloo—Cedar Falls.....	69.1	N.A.	N.A.	6.2	N.A.	N.A.	9.0	N.A.	N.A.
KANSAS	1,216.8	1,166.5	1,185.2	50.0	63.6	73.2	4.1	5.5	6.2
Lawrence.....	33.7	34.3	32.8	1.7	1.6	1.9	5.1	4.7	5.9
Topeka.....	97.5	92.0	94.0	5.3	5.4	6.1	5.4	5.8	6.5
Wichita.....	231.6	221.0	225.5	9.4	16.7	19.8	4.1	7.5	8.8
KENTUCKY	1,685.1	N.A.	N.A.	141.6	N.A.	N.A.	8.4	N.A.	N.A.
Lexington—Fayette.....	178.8	N.A.	N.A.	9.2	N.A.	N.A.	5.1	N.A.	N.A.
Louisville ¹	436.7	N.A.	N.A.	38.1	N.A.	N.A.	8.7	N.A.	N.A.
Owensboro.....	44.6	N.A.	N.A.	3.4	N.A.	N.A.	7.6	N.A.	N.A.
LOUISIANA	1,885.9	1,866.5	1,893.8	172.1	196.8	218.3	9.1	10.5	11.5
Alexandria.....	74.3	72.6	73.1	8.8	8.0	8.9	11.8	11.0	12.2
Baton Rouge.....	231.3	224.2	226.3	22.0	21.4	23.7	9.5	9.5	10.5
Lafayette.....	92.6	96.0	98.0	4.7	5.3	6.2	5.1	5.6	6.4
Lake Charles.....	83.2	78.5	79.7	8.2	11.7	13.0	9.8	14.9	16.3
Monroe.....	57.8	55.3	55.5	6.0	6.8	7.6	10.4	12.2	13.6
New Orleans.....	522.7	507.0	513.3	43.6	49.5	54.3	8.3	9.8	10.6
Shreveport.....	170.7	160.8	162.2	15.3	14.9	16.8	8.9	9.2	10.3
MAINE	524.0	527.6	542.1	35.4	49.1	48.4	6.8	9.3	8.9
Lewiston—Auburn.....	38.9	39.2	39.3	2.8	4.0	4.0	7.3	10.3	10.1
Portland.....	94.1	96.7	98.4	5.3	6.3	6.6	5.6	6.6	6.7
MARYLAND	2,194.1	2,204.4	2,231.4	154.7	188.9	201.0	7.1	8.6	9.0
Baltimore.....	1,090.8	1,104.9	1,119.4	87.1	110.7	117.7	8.0	10.0	10.5

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		
	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P	JUN. 1981	MAY 1982	JUN. 1982P
TEXAS¹	7,162.4	7,261.5	7,400.2	516.7	456.1	572.2	7.2	6.3	7.7
Dallas—Fort Worth	1,679.5	1,722.3	1,755.9	112.2	99.2	126.8	6.7	5.8	7.2
Houston	1,683.3	1,721.2	1,756.2	104.9	97.1	125.0	6.2	5.6	7.1
San Antonio	468.7	467.9	477.2	43.1	34.6	42.3	9.2	7.4	8.9
UTAH	659.1	665.7	673.8	45.6	46.7	49.5	6.9	7.0	7.3
Salt Lake City—Ogden	429.2	435.6	438.3	29.3	29.6	31.3	6.8	6.8	7.1
VERMONT	263.3	263.6	266.5	15.4	20.0	19.1	5.9	7.6	7.2
VIRGINIA	2,655.1	2,640.7	2,672.9	172.8	187.6	198.3	6.5	7.1	7.4
Lynchburg	75.5	76.2	76.3	5.0	6.5	6.3	6.6	8.5	8.2
Newport News—Hampton	171.4	170.1	173.9	12.4	10.9	11.5	7.3	6.4	6.6
Norfolk—Virginia Beach—Portsmouth ¹	341.9	340.3	345.1	24.7	24.2	24.7	7.2	7.1	7.1
Petersburg—Colonial Heights—Hopewell	59.6	59.8	60.7	5.0	5.1	5.3	8.4	8.4	8.7
Richmond	338.3	341.1	344.1	16.1	19.7	20.4	4.8	5.8	5.9
Roanoke	112.2	111.3	112.9	7.2	7.5	8.1	6.4	6.8	7.2
WASHINGTON	2,026.3	2,004.8	2,023.5	185.9	242.8	251.6	9.2	12.1	12.4
Seattle—Everett	880.2	875.4	881.1	71.9	92.1	97.4	8.2	10.5	11.0
Spokane	152.3	149.8	150.3	14.3	18.3	18.6	9.4	12.2	12.4
Tacoma	178.7	181.8	182.7	17.1	22.6	23.3	9.6	12.4	12.8
WEST VIRGINIA	792.7	767.1	781.7	85.8	83.8	96.4	10.8	10.9	12.3
Charleston	127.9	123.5	125.9	10.9	9.4	10.9	8.5	7.6	8.6
Huntington—Ashland ¹	127.7	N.A.	N.A.	14.7	N.A.	N.A.	11.5	N.A.	N.A.
Parkersburg—Marietta ¹	74.6	72.4	74.9	6.6	7.7	9.8	8.9	10.7	13.1
Wheeling ¹	83.8	82.7	83.6	7.2	10.1	10.2	8.6	12.2	12.2
WISCONSIN	2,408.8	2,417.7	2,459.1	185.1	235.2	249.5	7.7	9.7	10.1
Appleton—Oshkosh	150.8	151.3	154.2	11.4	15.4	16.2	7.5	10.2	10.5
Eau Claire	58.6	60.4	60.4	4.4	5.4	5.6	7.5	8.9	9.3
Green Bay	92.7	92.3	95.0	8.2	7.8	9.0	8.8	8.5	9.5
Janesville—Beloit	71.2	73.8	74.5	5.2	11.5	10.5	7.3	15.5	14.1
Kenosha	60.1	57.9	54.0	5.5	6.2	5.5	9.2	10.7	10.1
LaCrosse	48.5	50.0	50.6	3.4	3.8	4.0	7.0	7.5	7.9
Madison	183.8	188.3	189.9	10.6	11.6	12.9	5.8	6.2	6.8
Milwaukee	728.4	724.4	740.9	56.6	69.7	76.5	7.8	9.6	10.3
Racine	88.1	85.9	87.6	7.9	11.5	12.2	9.0	13.4	13.9
WYOMING	268.7	268.0	272.5	10.3	13.2	14.3	3.8	4.9	5.2

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 interviewers 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 1970 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 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 $0.09 \times 1.26 = 0.11$ 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	OCCUPATION		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Craft and kindred workers	0.33	0.37
Both sexes, 16-19 years .....	.57	.67	Operatives, except transport .....	.44	.50
White workers .....	.12	.12	Transport equipment operatives .....	.70	.77
Black (and other) workers .....	.46	.49	Nonfarm laborers .....	.71	.81
Married men, spouse present .....	.15	.16	Service workers .....	.32	.36
Married women, spouse present .....	.21	.23	Farm workers .....	.54	.62
Full-time workers .....	.12	.13	INDUSTRY		
Part-time workers .....	.32	.40	Nonagricultural private wage and salary workers .....	.13	.13
Unemployed 15 weeks and over .....	.06	.07	Construction .....	.59	.70
OCCUPATION			Manufacturing .....	.27	.30
White-collar workers .....	.12	.13	Durable goods .....	.37	.41
Professional and technical .....	.18	.20	Nondurable goods .....	.39	.45
Managers and administrators, except farm .....	.20	.23	Transportation and public utilities .....	.38	.42
Sales workers .....	.36	.41	Wholesale and retail trade .....	.26	.29
Clerical workers .....	.23	.25	Finance and service industries .....	.17	.19
Blue-collar workers .....	.24	.26	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	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.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	.18	.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 (CPJ-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	2.1
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 area 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)

BLS Region	
IV ALABAMA	-Research and Statistics Div., Depart. of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
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 Depart., P.O. Box 1679, Sacramento 95808 (CES).
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
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III DIST. OF COL.	-Division of Labor Market Information, Research and Analysis, Department of Employment Services, 500 C Street N.W., Room 411, Washington, 20001
IV FLORIDA	-Bureau of Research and Analysis, Depart. of Labor and Employment Security, Caldwell Building, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
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VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
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