



Weekly earnings in 1985: a look at more than 200 occupations

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This summary presents 1985 annual average data on the median weekly earnings of workers in more than 200 occupational categories. The data are obtained through the Current Population Survey (CPS), a nationwide sample survey conducted for the Bureau of Labor Statistics by the Bureau of the Census. Covered are wage and salary workers (excluding the incorporated self-employed) who usually work full time (35 hours or more per week).

First published in 1982, this annual series is also available in unpublished form back to 1979.¹ When making year-to-year comparisons, several caveats must be taken into account. One concerns the occupational classification system. The present system, developed for the 1980 census, was introduced into the CPS in 1983.² Because the new classification system is vastly different from the previous one, 1983–85 data are not comparable with those available for 1979–82.

Another caveat relates to the procedure currently used to estimate median weekly earnings. Prior to 1983, medians were estimated using the linear interpolation of \$50- to \$100-wide intervals. Medians for 1983 and 1984 were initially estimated via the interpolation of \$10-wide uncentered intervals. This change was introduced to reduce a systematic upward bias resulting from the use of wider uncentered intervals for earnings data, which are subject to a high incidence of rounding by CPS respondents. In 1985, the procedure was changed back to \$50-wide intervals, but these were centered on multiples of \$50. This newer procedure lessens the sometimes erratic movements in medians caused by having a large number of narrow intervals. The data for 1983 and 1984 have been revised using the new procedure and are available from BLS on request, but earlier medians are still based on the old (pre-1983) procedures.

As in previous years, the data in table 1 are limited to those occupations with at least 50,000 employed wage and

salary workers who usually work full time. The table presents median weekly earnings in 230 non-overlapping occupational groupings, and male-female comparisons are shown for 85 such groupings.

Obviously, within each of the occupations shown, there is likely to be a wide range of money earned among individual workers. This is because each occupational group still has many different jobs for which data are not tallied separately. Each occupation has specialties with differences in skill levels, market demand for the jobs, and other variables. Also, workers in each specialty may have different duties, responsibilities, work schedules, and job tenure.

In addition, caution must be used in interpreting differences between groups, particularly when either the number of workers in a job category is small or there are comparatively small differences between earnings medians. This is because the estimates are based on a sample and, accordingly, are subject to sampling errors.

—FOOTNOTES—

¹ Data for 1981 appear in "1981 Weekly Earnings of Men and Women Compared in 100 Occupations" (News Release, March 7, 1982) and in Nancy F. Rytina, "Earnings of men and women: a look at specific occupations," *Monthly Labor Review*, April 1982, pp. 25–31. For 1982 data, see Earl F. Mellor, "Investigating the differences in weekly earnings of women and men," *Monthly Labor Review*, June 1984, pp. 17–28. For 1983 data, see Earl F. Mellor, "Weekly earnings in 1983: a look at more than 200 occupations," *Monthly Labor Review*, January 1985, pp. 54–59; however, these data were subsequently revised. The revised data for 1983 and 1984 are available by either writing to the Bureau of Labor Statistics or calling (202) 523-1371. For more information on the nationwide sample survey from which these earnings data were obtained, see Earl F. Mellor, *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, Bulletin 2113 (Bureau of Labor Statistics, 1982), or Earl F. Mellor, "Earnings statistics from the Current Population Survey," *BLS Measures of Compensation*, Bulletin 2239 (Bureau of Labor Statistics, 1986).

² The system evolved from the Standard Occupational Classification System which was adopted in 1977 and revised in 1980. See *Standard Occupational Classification Manual* (U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, 1980). The relationship between the 1980 census system and the classification system is shown in *Census of Population: 1980, Classified Index of Industries and Occupations*, Report PHC80-R4, final ed. (U.S. Bureau of the Census, 1983).

³ For information on the standard error and other limitations of the data, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, Bulletin 2113 (Bureau of Labor Statistics, 1982). For information on other data series on earnings from the Current Population Survey and other BLS surveys, see *BLS Measures of Compensation*.

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Table 1. Median weekly earnings of wage and salary workers who usually work full time in occupations employing 50,000 or more, by sex, 1985 annual averages

[Numbers in thousands]

Occupation	Both sexes		Men		Women		Ratio female/male earnings times 100	Percent female workers
	Employed	Weekly earnings	Employed	Weekly earnings	Employed	Weekly earnings		
Total	77,002	\$343	45,589	\$406	31,414	\$277	68.2	40.8
Managerial and professional specialty occupations	19,381	488	11,078	583	8,302	399	68.4	42.8
Executive, administrative, and managerial occupations	9,328	497	5,835	593	3,492	383	64.6	37.4
Administrators and officials, public administration	411	510	248	584	164	439	75.2	39.9
Financial managers	372	581	237	677	135	400	59.1	36.3
Personnel and labor relations managers	105	540	57	631	48	-	-	45.7
Purchasing managers	101	676	78	714	23	-	-	22.8
Managers, marketing, advertising, and public relations	389	627	301	712	87	413	58.0	22.4
Administrators, education and related fields	424	561	240	639	184	479	75.0	43.4
Managers, medicine and health	94	490	37	-	57	469	-	60.6
Managers, properties and real estate	190	366	116	410	74	323	78.8	38.9
Management-related occupations	2,834	450	1,504	515	1,330	382	74.2	46.9
Accountants and auditors	1,064	458	592	519	472	383	73.8	44.4
Underwriters, and other financial officers	561	468	282	556	278	397	71.4	49.6
Management analysts	78	583	53	693	25	-	-	32.1
Personnel, training, and labor relations specialists	316	454	135	551	181	384	69.7	57.3
Buyers, wholesale and retail trade, except farm products	157	416	79	490	78	310	63.3	49.7
Inspectors and compliance officers, excluding construction	157	459	121	477	35	-	-	22.3
Professional specialty occupations	10,053	481	5,243	571	4,810	408	71.5	47.8
Engineers, architects, and surveyors	1,678	649	1,559	662	119	524	79.2	7.1
Architects	75	488	62	507	12	-	-	16.0
Engineers	1,585	661	1,479	673	107	544	80.8	6.8
Aerospace engineers	87	691	82	699	5	-	-	5.7
Chemical engineers	57	723	53	731	4	-	-	7.0
Civil engineers	201	629	192	643	10	-	-	5.0
Electrical and electronic engineers	520	664	477	672	43	-	-	8.3
Industrial engineers	174	598	157	608	17	-	-	9.8
Mechanical engineers	257	665	244	676	13	-	-	5.1
Mathematical and computer scientists	518	605	361	642	157	512	79.8	30.3
Computer systems analysts and scientists	317	602	228	625	88	523	83.7	27.8
Operations and systems researchers and analysts	157	616	107	663	51	519	78.3	32.5
Natural scientists	327	580	266	599	61	462	77.1	18.7
Chemists, except biochemists	104	588	85	601	20	-	-	19.2
Biological and life scientists	61	506	43	-	18	-	-	29.5
Health diagnosing occupations	243	595	186	633	57	504	79.6	23.5
Physicians	209	607	158	656	51	507	77.3	24.4
Health assessment and treating occupations	1,435	435	238	507	1,197	424	83.6	83.4
Registered nurses	1,010	434	66	492	945	431	87.6	93.6
Pharmacists	120	566	85	600	36	-	-	30.0
Dietitians	71	336	3	-	68	339	-	95.8
Therapists	188	406	53	422	135	400	94.8	71.8
Inhalation therapists	56	391	25	-	32	-	-	57.1
Teachers, college and university	459	581	330	638	129	487	76.3	28.1
Teachers, except college and university	2,873	412	864	478	2,008	394	82.4	69.9
Teachers, prekindergarten and kindergarten	216	276	2	-	214	277	-	99.1
Teachers, elementary school	1,204	412	206	468	998	403	86.1	82.9
Teachers, secondary school	1,074	439	526	485	549	408	84.1	51.1
Teachers, special education	185	393	27	-	158	386	-	85.4
Teachers, not elsewhere classified	193	408	104	460	90	379	82.4	46.6
Counselors, educational and vocational	146	488	71	549	75	425	77.4	51.4
Librarians, archivists, and curators	163	398	27	-	136	390	-	83.4
Librarians	153	391	21	-	132	388	-	86.3
Social scientists and urban planners	193	518	114	580	79	447	77.1	40.9
Economists	82	624	50	715	31	-	-	37.8
Psychologists	86	472	45	-	41	-	-	47.7
Social, recreation, and religious workers	723	357	413	373	309	342	91.7	42.7
Social workers	387	376	143	421	244	356	84.6	63.0
Recreation workers	56	231	23	-	33	-	-	58.9
Clergy	234	338	224	341	10	-	-	4.3
Lawyers and judges	341	724	251	782	89	557	71.2	26.1
Lawyers	317	719	232	776	85	558	71.9	26.8
Writers, artists, entertainers, and athletes	955	417	562	490	393	346	70.6	41.2
Designers	302	437	167	537	135	296	55.1	44.7
Actors and directors	51	487	32	-	19	-	-	37.3
Painters, sculptors, craft artists, and artist printmakers	85	400	50	466	35	-	-	41.2
Photographers	56	346	43	-	12	-	-	21.4
Editors and reporters	175	430	92	480	83	397	82.7	47.4
Public relations specialists	116	460	60	585	56	381	65.1	48.3
Technical, sales, and administrative support occupations	23,425	307	8,803	420	14,622	269	64.0	62.4
Technicians and related support occupations	2,762	398	1,563	472	1,200	331	70.1	43.4
Health technologists and technicians	841	319	167	381	674	311	81.6	80.1
Clinical laboratory technologists and technicians	248	376	68	394	180	367	93.1	72.6
Radiologic technicians	97	371	26	-	70	355	-	72.2
Licensed practical nurses	277	294	11	-	266	293	-	96.0
Engineering and related technologists and technicians	843	417	700	436	143	344	78.9	17.0
Electrical and electronic technicians	286	426	252	436	34	-	-	11.9
Drafting occupations	278	399	229	414	49	-	-	17.6
Surveying and mapping technicians	61	371	56	358	4	-	-	6.6
Science technicians	187	393	129	417	58	318	76.3	31.0
Chemical technicians	89	412	67	420	22	-	-	24.7

Table 1. Continued—Median weekly earnings of wage and salary workers who usually work full time in occupations employing 50,000 or more, by sex, 1985 annual averages

[Numbers in thousands]

Occupation	Both sexes		Men		Women		Ratio female/male earnings times 100	Percent female workers
	Employed	Weekly earnings	Employed	Weekly earnings	Employed	Weekly earnings		
Technicians, except health, engineering, and science	891	486	567	517	324	395	76.4	36.4
Airplane pilots and navigators	55	738	54	743	1	-	-	1.8
Computer programmers	500	502	327	519	173	454	87.5	34.6
Legal assistants	119	347	31	-	89	333	-	74.8
Sales occupations	7,156	335	4,227	431	2,929	226	52.4	40.9
Supervisors and proprietors	2,010	385	1,371	438	639	276	63.0	31.8
Sales representatives, finance and business services	1,333	430	760	507	574	332	65.5	43.1
Insurance sales	365	415	237	478	128	345	72.2	35.1
Real estate sales	282	406	126	507	157	323	63.7	55.7
Securities and financial services sales	200	593	144	674	57	425	63.1	28.5
Advertising and related sales	126	422	59	500	67	357	71.4	53.2
Sales occupations, other business services	360	397	195	489	165	302	61.8	45.8
Sales representatives, commodities, except retail, including sales engineers	1,258	481	1,048	499	210	364	72.9	16.7
Sales workers, retail and personal services	2,539	210	1,041	285	1,498	180	63.2	59.0
Sales workers, motor vehicles and boats	218	393	203	400	15	-	-	6.9
Sales workers, apparel	156	184	34	-	123	171	-	78.8
Sales workers, furniture and home furnishings	98	271	51	311	46	-	-	46.9
Sales workers, radio, television, hi-fi, and appliances	105	315	80	334	25	-	-	23.8
Sales workers, hardware and building supplies	146	250	121	263	26	-	-	17.8
Sales workers, parts	134	255	119	261	15	-	-	11.2
Sales counter clerks	71	200	21	-	50	169	-	70.4
Cashiers	878	178	167	209	711	172	82.3	81.0
Street and door-to-door sales workers	71	288	30	-	41	-	-	57.7
Administrative support occupations, including clerical	13,507	286	3,013	391	10,494	270	69.1	77.7
Supervisors, administrative support	697	420	333	514	365	358	69.6	52.4
Supervisors, general office	404	399	147	550	257	343	62.4	63.6
Supervisors, financial records processing	95	419	31	-	64	380	-	67.4
Supervisors, distribution, scheduling, and adjusting clerks	151	466	125	485	26	-	-	17.2
Computer equipment operators	691	311	253	395	437	278	70.4	63.2
Computer operators	686	311	251	395	435	278	70.4	63.4
Secretaries, stenographers, and typists	3,938	276	92	341	3,846	275	80.6	97.7
Secretaries	3,251	279	58	369	3,193	279	75.6	98.2
Typists	646	259	28	-	617	259	-	95.5
Information clerks	827	242	93	352	734	236	67.0	88.8
Interviewers	123	263	20	-	104	258	-	84.6
Transportation ticket and reservation agents	92	392	33	-	60	309	-	65.2
Receptionists	434	225	13	-	421	224	-	97.0
Records processing occupations, except financial	612	274	116	326	497	268	82.2	81.2
Order clerks	174	346	36	-	138	336	-	79.3
Personnel clerks, except payroll and timekeeping	57	323	4	-	53	319	-	93.0
Library clerks	53	246	11	-	42	-	-	79.2
File clerks	197	234	38	-	159	231	-	80.7
Records clerks	110	286	22	-	88	274	-	80.0
Financial records processing occupations	1,705	275	195	361	1,510	268	74.2	88.6
Bookkeepers, accounting, and auditing clerks	1,311	272	133	331	1,178	267	80.7	89.9
Payroll and timekeeping clerks	161	302	24	-	138	296	-	85.7
Billing clerks	126	264	17	-	109	256	-	86.5
Cost and rate clerks	73	305	20	-	52	265	-	71.2
Duplicating, mail and other office machine operators	55	244	17	-	39	-	-	70.9
Communications equipment operators	182	308	23	-	159	295	-	87.4
Telephone operators	177	302	21	-	156	292	-	88.1
Mail and message distributing occupations	680	429	465	446	196	366	82.1	29.7
Postal clerks, excluding mail carriers	234	457	146	474	88	437	92.2	37.6
Mail carriers, postal service	235	466	203	470	32	-	-	13.6
Mail clerks, excluding postal service	123	240	62	262	62	223	85.1	50.4
Messengers	69	224	54	230	14	-	-	20.3
Material recording, scheduling, and distributing clerks	1,504	305	926	332	578	270	81.3	38.4
Dispatchers	172	321	97	385	75	276	71.7	43.6
Production coordinators	168	384	87	475	81	328	69.1	48.2
Traffic, shipping, and receiving clerks	471	287	352	302	119	243	80.5	25.3
Stock and inventory clerks	475	299	278	324	198	268	82.7	41.7
Weighers, measurers, and checkers	65	276	33	-	32	-	-	49.2
Expeditors	89	318	37	-	52	262	-	58.4
Adjusters and investigators	659	312	174	439	485	286	65.1	73.6
Insurance adjusters, examiners, and investigators	209	339	64	455	145	307	67.5	69.4
Investigators and adjusters, except insurance	316	311	80	481	236	285	59.3	74.7
Eligibility clerks, social welfare	59	288	5	-	54	276	-	91.5
Bill and account collectors	75	264	24	-	51	256	-	68.0
Miscellaneous administrative support occupations	1,975	261	328	352	1,647	252	71.6	83.4
General office clerks	489	267	100	322	389	258	80.1	79.6
Bank tellers	357	219	20	-	336	218	-	94.1
Data-entry keyers	307	277	32	-	274	268	-	89.3
Statistical clerks	75	322	21	-	54	321	-	72.0
Teachers' aides	165	196	12	-	153	192	-	92.7
Service occupations	7,910	216	3,947	272	3,963	185	68.0	50.1
Private household occupations	342	132	13	-	330	130	-	96.5
Child care workers, private household	142	88	5	-	137	86	-	96.5
Private household cleaners and servants	164	154	5	-	159	153	-	97.0
Protective service occupations	1,483	381	1,327	391	156	278	71.1	10.5
Supervisors, protective service occupations	127	485	121	494	6	-	-	4.7
Supervisors, police and detectives	70	534	68	540	2	-	-	2.9

Table 1. Continued—Median weekly earnings of wage and salary workers who usually work full time in occupations employing 50,000 or more, by sex, 1985 annual averages

[Numbers in thousands]

Occupation	Both sexes		Men		Women		Ratio female/male earnings times 100	Percent female workers
	Employed	Weekly earnings	Employed	Weekly earnings	Employed	Weekly earnings		
Firefighting and fire prevention occupations	211	436	208	439	3	-	-	1.4
Firefighting occupations	190	437	188	438	1	-	-	.5
Police and detectives	628	424	565	432	63	352	81.5	10.0
Police and detectives, public service	416	452	382	455	34	-	-	8.2
Sheriffs, bailiffs, and other law enforcement officers	75	390	69	406	6	-	-	8.0
Correctional institution officers	137	352	114	364	23	-	-	16.8
Guards	516	248	432	257	84	212	82.5	16.3
Guards and police, excluding public service	480	252	413	257	68	219	85.2	14.2
Service occupations, except protective and household	6,085	203	2,607	230	3,477	188	81.7	57.1
Food preparation and service occupations	2,281	180	1,018	205	1,264	167	81.5	55.4
Supervisors, food preparation and service	177	231	80	284	97	207	72.9	54.8
Bartenders	169	202	88	227	81	177	78.0	47.9
Waiters and waitresses	542	170	119	236	423	159	67.4	78.0
Cooks, except short order	871	186	478	207	392	168	81.2	45.0
Food counter, fountain and related occupations	71	147	17	-	53	143	-	74.6
Kitchen workers, food preparation	66	169	23	-	44	-	-	66.7
Waiters/waitresses' assistants	102	165	61	159	41	-	-	40.2
Health service occupations	1,219	210	150	242	1,069	207	85.5	87.7
Dental assistants	107	224	3	-	104	223	-	97.2
Health aides, except nursing	247	233	41	-	205	230	-	83.0
Nursing aides, orderlies, and attendants	866	202	106	234	760	199	85.0	87.8
Cleaning and building service occupations, except household	1,884	226	1,253	253	630	195	77.1	33.4
Supervisors, cleaning and building service workers	149	298	102	340	47	-	-	31.5
Maids and housemen	361	188	72	235	289	178	75.7	80.1
Janitors and cleaners	1,329	235	1,039	247	290	205	83.0	21.8
Personal service occupations	701	203	186	240	514	192	80.0	73.3
Hairdressers and cosmetologists	277	201	34	-	243	195	-	87.7
Attendants, amusement and recreation facilities	63	227	35	-	28	-	-	44.4
Child care workers, except private household	140	169	15	-	125	163	-	89.3
Precision production, craft, and repair occupations	10,932	397	10,026	408	906	268	65.7	8.3
Mechanics and repairers	3,897	400	3,752	400	144	392	98.0	3.7
Supervisors, mechanics and repairers	270	520	246	521	24	-	-	8.9
Mechanics and repairers, except supervisors	3,627	393	3,506	393	120	378	96.2	3.3
Vehicle and mobile equipment mechanics and repairers	1,462	351	1,449	352	13	-	-	.9
Automobile mechanics	662	309	658	310	4	-	-	.6
Bus, truck, and stationary engine mechanics	304	384	302	384	2	-	-	.7
Aircraft engine mechanics	86	491	81	496	4	-	-	4.7
Small engine repairers	56	286	56	286	0	-	-	.0
Automobile body and related repairers	147	310	147	310	1	-	-	.7
Heavy equipment mechanics	160	459	159	459	0	-	-	.0
Industrial machinery repairers	524	404	510	406	14	-	-	2.7
Electrical and electronic equipment repairers	648	495	588	499	60	455	91.2	9.3
Electronic repairers, communications and industrial equipment	131	393	122	385	9	-	-	6.9
Data processing equipment repairers	115	500	102	508	13	-	-	11.3
Telephone line installers and repairers	68	523	67	521	2	-	-	2.9
Telephone installers and repairers	227	530	196	539	31	-	-	13.7
Heating, air conditioning, and refrigeration mechanics	208	370	208	370	0	-	-	.0
Miscellaneous mechanics and repairers	747	393	715	399	32	-	-	4.3
Office machine repairers	61	380	58	385	3	-	-	4.9
Milwrights	85	497	83	502	3	-	-	3.5
Construction trades	3,361	393	3,308	394	53	265	67.3	1.6
Supervisors, construction occupations	430	504	426	506	5	-	-	1.2
Construction trades, except supervisors	2,931	377	2,882	378	49	-	-	1.7
Brickmasons and stonemasons	108	349	108	350	0	-	-	.0
Carpet installers	51	295	51	298	1	-	-	2.0
Carpenters	812	337	806	338	6	-	-	.7
Drywall installers	101	380	99	383	2	-	-	2.0
Electricians	547	456	539	458	8	-	-	1.5
Electrical power installers and repairers	102	510	101	508	2	-	-	2.0
Painters, construction and maintenance	257	304	242	306	15	-	-	5.8
Plumbers, pipefitters, and steamfitters	361	431	357	431	4	-	-	1.1
Concrete and terrazzo finishers	67	334	67	334	0	-	-	.0
Insulation workers	52	380	50	383	2	-	-	3.8
Roofers	99	272	97	272	3	-	-	3.0
Structural metalworkers	58	494	57	495	1	-	-	1.7
Extractive occupations	181	501	179	499	1	-	-	.6
Supervisors, extractive occupations	53	679	53	674	1	-	-	1.9
Precision production occupations	3,493	394	2,786	429	708	253	59.0	20.3
Supervisors, production occupations	1,294	468	1,105	490	189	303	61.8	14.6
Precision metalworking occupations	837	416	787	426	51	264	62.0	6.1
Tool and die makers	134	491	131	496	3	-	-	2.2
Machinists	479	409	459	415	19	-	-	4.0
Sheet metal workers	111	415	104	418	7	-	-	6.3
Precision woodworking occupations	69	282	59	294	11	-	-	15.9
Precision textile, apparel, and furnishings machine workers	127	242	68	279	59	211	75.6	46.5
Precision workers, assorted materials	489	273	199	328	290	248	75.6	59.3
Electrical and electronic equipment assemblers	319	254	90	281	229	246	87.5	71.8
Precision food production occupations	329	286	255	317	74	198	62.5	22.5
Butchers and meatcutters	235	297	195	323	40	-	-	17.0
Bakers	69	267	48	-	21	-	-	30.4

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[Numbers in thousands]

Occupation	Both sexes		Men		Women		Ratio female/male earnings times 100	Percent female workers
	Employed	Weekly earnings	Employed	Weekly earnings	Employed	Weekly earnings		
Precision inspectors, testers, and related workers	132	409	102	448	30	-	-	22.7
Inspectors, testers, and graders	126	413	99	448	27	-	-	21.4
Plant and system operators	217	484	211	484	6	-	-	2.8
Stationary engineers	99	495	97	493	2	-	-	2.0
Operators, fabricators, and laborers	14,067	295	10,585	325	3,482	216	66.5	24.8
Machine operators, assemblers, and inspectors	7,181	287	4,403	341	2,778	216	63.3	38.7
Machine operators and tenders, except precision	4,741	272	2,839	326	1,902	207	63.5	40.1
Metalworking and plastic working machine operators	447	336	370	354	77	265	74.9	17.2
Lathe and turning machine operators	67	339	60	349	8	-	-	11.9
Punching and stamping press machine operators	117	320	85	340	32	-	-	27.4
Grinding, abrading, buffing, and polishing machine operators	132	318	115	331	17	-	-	12.9
Metal and plastic processing machine operators	157	304	117	345	39	-	-	24.8
Molding and casting machine operators	98	278	63	342	35	-	-	35.7
Woodworking machine operators	116	244	104	247	12	-	-	10.3
Sawing machine operators	77	237	72	239	5	-	-	6.5
Printing machine operators	380	329	288	368	92	247	67.1	24.2
Printing machine operators	258	339	223	362	35	-	-	13.6
Typesetters and compositors	57	284	17	-	39	-	-	68.4
Textile, apparel, and furnishings machine operators	1,148	192	240	243	908	182	74.9	79.1
Winding and twisting machine operators	72	221	16	-	56	217	-	77.8
Textile sewing machine operators	686	178	73	217	613	175	80.6	89.4
Pressing machine operators	117	198	41	-	76	173	-	65.0
Laundering and drycleaning machine operators	110	195	39	-	71	178	-	64.5
Machine operators, assorted materials	2,473	302	1,709	334	764	234	70.1	30.9
Packaging and filling machine operators	350	248	139	283	211	230	81.3	60.3
Mixing and blending machine operators	121	328	113	331	7	-	-	5.8
Separating, filtering, and clarifying machine operators	51	441	45	-	6	-	-	11.8
Painting and paint spraying machine operators	179	298	151	310	28	-	-	15.6
Furnace, kiln, and oven operators, excluding food	102	406	98	406	4	-	-	3.9
Slicing and cutting machine operators	194	274	152	304	43	-	-	22.2
Photographic process machine operators	78	261	34	-	43	-	-	55.1
Fabricators, assemblers, and hand working occupations	1,653	316	1,165	361	488	239	66.2	29.5
Welders and cutters	533	371	506	377	27	-	-	5.1
Assemblers	979	298	583	355	397	243	68.5	40.6
Production inspectors, testers, samplers, and weighers	787	311	398	388	389	250	64.4	49.4
Production inspectors, checkers, and examiners	629	321	313	406	315	255	62.8	50.1
Production testers	62	354	39	-	23	-	-	37.1
Graders and sorters, except agricultural	86	213	37	-	49	-	-	57.0
Transportation and material moving occupations	3,648	360	3,459	369	189	252	68.3	5.2
Motor vehicle operators	2,511	343	2,357	353	154	246	69.7	6.1
Truckdrivers, heavy	1,526	363	1,501	366	25	-	-	1.6
Truckdrivers, light	425	275	395	280	30	-	-	7.1
Driver-sales workers	179	399	170	407	9	-	-	5.0
Busdrivers	210	344	136	403	74	262	65.0	35.2
Taxicab drivers and chauffeurs	94	262	87	266	7	-	-	7.4
Transportation occupations, except motor vehicles	204	559	201	563	3	-	-	1.5
Rail transportation occupations	145	599	143	602	2	-	-	1.4
Locomotive operating occupations	57	582	56	587	1	-	-	1.8
Water transportation occupations	59	463	58	466	1	-	-	1.7
Material moving equipment operators	932	360	900	364	32	-	-	3.4
Operating engineers	142	395	138	393	4	-	-	2.8
Crane and tower operators	89	438	89	438	0	-	-	.0
Excavating and loading machine operators	96	385	94	388	1	-	-	1.0
Grader, dozer, and scraper operators	82	357	80	362	2	-	-	2.4
Industrial truck and tractor equipment operators	369	318	360	319	9	-	-	2.4
Handlers, equipment cleaners, helpers, and laborers	3,238	251	2,724	261	514	209	80.1	15.9
Helpers, construction and extractive occupations	140	216	137	217	3	-	-	2.1
Helpers, construction trades	121	216	118	217	3	-	-	2.5
Construction laborers	583	276	567	279	16	-	-	2.7
Production helpers	73	281	57	285	16	-	-	21.9
Freight, stock, and material handlers	968	254	818	264	150	205	77.7	15.5
Garbage collectors	53	247	53	250	1	-	-	1.9
Stock handlers and baggers	347	217	263	229	84	181	79.0	24.2
Machine feeders and offbearers	85	258	58	269	27	-	-	31.8
Garage and service station related occupations	177	198	170	200	7	-	-	4.0
Vehicle washers and equipment cleaners	160	205	144	203	16	-	-	10.0
Hand packers and packagers	236	222	86	247	150	215	87.0	63.6
Laborers, except construction	867	273	715	291	152	207	71.1	17.5
Farming, forestry, and fishing occupations	1,288	212	1,150	216	138	185	85.6	10.7
Farm operators and managers	65	291	58	309	7	-	-	10.8
Farm managers	55	303	50	317	5	-	-	9.1
Other agricultural and related occupations	1,145	207	1,016	210	129	186	88.6	11.3
Farm occupations, except managerial	663	195	587	198	76	176	88.9	11.5
Farm workers	606	193	542	195	64	178	91.3	10.6
Related agricultural occupations	482	228	430	232	53	204	87.9	11.0
Supervisors, related agricultural occupations	80	300	79	302	1	-	-	1.3
Groundskeepers and gardeners, except farm	354	218	333	220	21	-	-	5.9
Forestry and logging occupations	55	269	52	276	2	-	-	3.6

NOTE: Dashes indicate median, percent, or ratio not shown where base is less than 50,000.