

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Total, 16 years and over	136,485	136,933	136,891	133,488	131,463	129,558	126,708	124,900	123,060	120,259
Managerial and professional specialty occupations	42,482	42,271	41,337	40,467	38,937	37,686	36,497	35,318	33,847	32,231
Executive, administrative, and managerial occupations	20,561	20,506	19,968	19,584	19,054	18,440	17,746	17,186	16,312	15,338
Chief execs. and general administrators, public admin.	34	35	40	38	28	30	26	35	30	25
Officials and administrators, public administration	720	732	660	655	630	606	636	618	598	580
Administrators, protective service	54	66	63	51	60	58	55	57	51	52
Financial managers	803	758	791	753	705	688	621	605	608	526
Personnel and labor relations managers	219	228	227	196	162	108	122	125	111	96
Purchasing managers	140	151	124	138	136	114	121	135	130	109
Managers, marketing, advertising, and public relations	735	776	758	739	772	711	655	663	564	493
Administrators, education and related fields	849	838	854	821	752	733	668	701	701	631
Managers, medicine and health	828	787	759	716	725	701	713	653	614	448
Postmasters and mail superintendents	51	50	56	50	47	44	46	56	52	48
Managers, food serving and lodging establishments (1992 forward)	1,494	1,487	1,470	1,489	1,453	1,408	1,383	1,276	1,255	1,211
Managers, properties and real estate	618	603	559	577	517	535	530	522	479	479
Funeral directors	58	60	59	49	38	40	55	54	51	50
Managers, service organizations, n.e.c. (1992 forward)	750	703	699	724	666	659	633	626	574	548
Managers and administrators, n.e.c.	8,026	8,045	7,860	7,709	7,661	7,401	7,107	6,735	6,222	5,883
Management-related occupations	5,182	5,186	4,988	4,879	4,700	4,604	4,374	4,325	4,269	4,157
Accountants and auditors	1,702	1,680	1,617	1,658	1,616	1,625	1,538	1,526	1,483	1,392
Underwriters and other financial officers (through 1989)	—	—	—	—	—	—	—	—	—	—
Underwriters (1990 forward)	101	108	105	131	117	103	95	103	88	112
Other financial officers (1990 forward)	880	868	845	808	745	704	726	717	715	696
Management analysts	545	501	430	432	441	389	329	317	283	248
Personnel, training, and labor relations specialists	624	681	632	542	482	482	416	401	396	401
Purchasing agents and buyers, farm products	11	12	12	13	15	12	11	10	15	10
Buyers, wholesale and retail trade, except farm products	229	230	226	193	224	230	205	230	233	226
Purchasing agents and buyers, n.e.c.	228	264	280	284	262	270	249	259	226	260
Business and promotion agents	37	32	39	31	43	39	34	24	23	25
Construction inspectors	72	63	73	69	70	55	69	69	64	64
Inspectors and compliance officers, except construction	247	239	257	254	237	215	241	234	226	214
Management-related occupations, n.e.c.	505	508	473	464	447	481	460	434	515	509
Professional specialty occupations	21,921	21,765	21,368	20,883	19,883	19,245	18,752	18,132	17,536	16,893
Engineers, architects, and surveyors	2,249	2,362	2,357	2,291	2,224	2,220	2,140	2,117	2,030	1,857
Architects	197	217	218	194	158	169	160	163	141	122

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1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Total, 16 years and over	118,492	117,718	118,793	117,342	114,968	112,440	109,597	107,150	105,005	100,834
Managerial and professional specialty occupations	31,085	30,934	30,602	30,398	29,190	27,742	26,554	25,851	24,858	23,592
Executive, administrative, and managerial occupations	14,722	14,904	14,802	14,848	14,216	13,316	12,642	12,221	11,571	10,772
Chief execs. and general administrators, public admin.	27	28	25	35	34	30	28	26	26	25
Officials and administrators, public administration	539	509	501	519	472	474	467	462	430	417
Administrators, protective service	49	51	55	54	56	46	40	39	41	54
Financial managers	515	479	491	472	502	462	409	394	354	357
Personnel and labor relations managers	103	126	121	128	130	127	114	110	109	106
Purchasing managers	112	110	109	110	99	100	100	99	86	82
Managers, marketing, advertising, and public relations	513	510	519	514	482	444	440	419	365	396
Administrators, education and related fields	601	538	550	585	562	516	500	480	438	415
Managers, medicine and health	362	198	174	188	163	154	127	106	96	91
Postmasters and mail superintendents	50	33	27	32	38	40	42	36	30	33
Managers, food serving and lodging establishments (1992 forward)	1,154	—	—	—	—	—	—	—	—	—
Managers, properties and real estate	434	446	434	451	433	397	362	342	329	305
Funeral directors	53	51	50	45	40	34	35	39	47	43
Managers, service organizations, n.e.c. (1992 forward)	472	—	—	—	—	—	—	—	—	—
Managers and administrators, n.e.c.	5,786	7,873	7,850	7,807	7,434	6,917	6,532	6,353	5,993	5,482
Management-related occupations	3,960	3,951	3,895	3,908	3,772	3,577	3,449	3,318	3,228	2,966
Accountants and auditors	1,370	1,450	1,444	1,416	1,329	1,255	1,257	1,263	1,234	1,105
Underwriters and other financial officers (through 1989)	—	—	—	788	741	728	655	621	589	541
Underwriters (1990 forward)	88	93	95	—	—	—	—	—	—	—
Other financial officers (1990 forward)	667	674	696	—	—	—	—	—	—	—
Management analysts	216	216	196	183	199	178	190	158	126	134
Personnel, training, and labor relations specialists	415	425	400	426	390	381	348	343	331	325
Purchasing agents and buyers, farm products	12	15	13	10	12	13	15	19	19	17
Buyers, wholesale and retail trade, except farm products	205	204	219	214	233	231	224	207	204	191
Purchasing agents and buyers, n.e.c.	223	238	258	249	241	234	231	212	219	209
Business and promotion agents	32	27	29	21	25	23	24	37	78	75
Construction inspectors	66	67	70	61	60	60	51	46	59	53
Inspectors and compliance officers, except construction	233	220	196	196	194	183	190	164	166	150
Management-related occupations, n.e.c.	433	321	279	343	348	292	263	248	203	165
Professional specialty occupations	16,363	16,030	15,800	15,550	14,974	14,426	13,911	13,630	13,286	12,820
Engineers, architects, and surveyors	1,908	1,999	2,038	2,005	1,971	1,894	1,906	1,835	1,758	1,711
Architects	137	127	142	157	143	135	132	130	107	103

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Engineers	2,028	2,121	2,120	2,081	2,052	2,036	1,960	1,934	1,866	1,715
Aerospace engineers	90	86	77	79	86	87	80	78	75	82
Metallurgical and materials engineers	23	26	32	30	38	32	27	25	34	28
Mining engineers	6	3	2	6	6	8	6	6	7	6
Petroleum engineers	18	17	21	21	24	23	20	23	28	18
Chemical engineers	77	75	85	82	69	92	95	80	56	58
Nuclear engineers	8	11	12	10	9	10	12	14	11	10
Civil engineers	267	296	292	287	296	248	243	231	240	220
Agricultural engineers	3	0	2	4	6	2	2	3	3	2
Electrical and electronic engineers	677	740	738	639	629	652	601	611	556	533
Industrial engineers	235	258	246	260	262	258	257	250	245	201
Mechanical engineers	301	341	345	340	335	352	350	330	341	296
Marine engineers and naval architects	12	9	8	21	17	14	14	14	13	12
Engineers, n.e.c.	310	257	259	303	276	258	252	267	255	249
Surveyors and mapping scientists	24	24	18	15	14	15	21	20	23	20
Mathematical and computer scientists	2,030	2,125	2,109	1,847	1,747	1,494	1,345	1,195	1,186	1,053
Computer systems analysts and scientists	1,742	1,835	1,829	1,549	1,471	1,236	1,093	933	916	772
Operations and systems researchers and analysts	238	233	228	241	212	201	209	217	222	235
Actuaries	16	21	22	25	25	21	16	17	15	15
Statisticians	28	28	25	25	33	27	22	21	27	26
Mathematical scientists, n.e.c.	5	7	6	7	7	8	6	7	6	5
Natural scientists	545	590	576	578	519	529	536	519	535	535
Physicists and astronomers	26	25	25	31	28	26	29	31	26	28
Chemists, except biochemists	130	165	157	136	133	144	149	140	144	134
Atmospheric and space scientists	10	13	12	9	9	10	10	7	13	11
Geologists and geodesists	48	48	48	56	63	59	48	60	57	54
Physical scientists, n.e.c.	47	48	55	63	38	40	48	44	37	43
Agricultural and food scientists	51	36	53	48	38	38	37	42	38	34
Biological and life scientists	119	127	116	109	104	106	116	110	120	115
Forestry and conservation scientists	25	26	22	25	24	28	26	24	38	32
Medical scientists	89	101	87	100	83	77	73	61	62	83
Health diagnosing occupations	1,176	1,115	1,066	1,071	1,083	1,027	960	1,002	932	908
Physicians	825	781	742	720	740	724	667	693	628	607
Dentists	180	169	171	173	155	138	137	155	148	151
Veterinarians	47	56	56	53	58	49	54	59	61	58
Optometrists	38	34	31	40	43	38	38	35	28	26
Podiatrists	13	13	9	11	14	10	10	10	11	12

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(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Engineers	1,754	1,850	1,868	1,823	1,805	1,731	1,749	1,683	1,627	1,572
Aerospace engineers	88	102	110	112	115	104	93	95	80	80
Metallurgical and materials engineers	25	26	24	24	22	25	27	19	24	27
Mining engineers	6	7	6	4	6	6	9	9	6	8
Petroleum engineers	20	15	19	21	26	27	31	31	33	33
Chemical engineers	71	81	70	67	65	63	59	64	56	67
Nuclear engineers	8	11	11	10	13	16	10	12	17	17
Civil engineers	217	224	235	249	218	210	233	221	223	211
Agricultural engineers	2	3	4	3	2	2	3	4	7	5
Electrical and electronic engineers	530	566	587	571	573	545	550	544	491	450
Industrial engineers	204	200	204	199	221	221	203	178	192	210
Mechanical engineers	304	311	316	310	297	277	287	272	268	259
Marine engineers and naval architects	12	13	12	16	16	13	13	17	20	13
Engineers, n.e.c.	269	291	272	238	230	221	229	217	211	192
Surveyors and mapping scientists	15	22	27	24	23	29	25	22	24	35
Mathematical and computer scientists	938	928	872	853	732	685	631	571	501	463
Computer systems analysts and scientists	695	679	609	566	479	447	385	359	310	276
Operations and systems researchers and analysts	192	201	213	239	210	197	195	164	140	142
Actuaries	16	18	20	16	10	12	15	13	14	11
Statisticians	25	22	24	25	28	24	28	30	29	25
Mathematical scientists, n.e.c.	5	6	7	7	5	5	8	6	8	9
Natural scientists	461	440	402	413	395	388	384	376	360	357
Physicists and astronomers	26	26	28	28	28	27	30	27	30	30
Chemists, except biochemists	121	128	126	122	125	120	123	111	101	98
Atmospheric and space scientists	7	12	8	9	10	12	10	11	15	10
Geologists and geodesists	51	56	52	52	50	46	49	58	58	65
Physical scientists, n.e.c.	35	22	23	22	14	13	15	14	12	10
Agricultural and food scientists	31	25	23	23	22	32	30	22	21	28
Biological and life scientists	96	99	75	77	75	71	65	64	60	55
Forestry and conservation scientists	26	26	25	35	34	26	31	37	33	34
Medical scientists	67	46	43	46	39	41	30	33	31	27
Health diagnosing occupations	913	848	870	854	818	793	728	728	775	735
Physicians	614	576	577	548	541	514	489	492	520	519
Dentists	161	148	160	170	152	160	132	131	138	126
Veterinarians	44	50	57	43	47	44	37	36	41	36
Optometrists	24	22	23	26	29	32	30	29	32	21
Podiatrists	12	11	15	16	15	11	10	8	12	8

**Employed persons by detailed occupation and sex,
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(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Health diagnosing practitioners, n.e.c.	73	63	57	74	73	69	54	51	55	55
Health assessment and treating occupations	3,267	3,112	3,009	3,019	2,898	2,886	2,812	2,762	2,708	2,599
Registered nurses	2,311	2,202	2,142	2,128	2,032	2,065	1,986	1,977	1,956	1,855
Pharmacists	231	220	214	216	180	200	184	170	182	188
Dietitians	74	101	98	92	90	101	105	94	86	94
Therapists	562	508	482	517	528	455	474	466	430	417
Respiratory (inhalation) therapists	97	89	78	90	103	85	96	94	98	92
Occupational therapists	78	63	55	71	71	61	64	52	50	47
Physical therapists	167	156	147	144	134	110	118	130	106	116
Speech therapists	117	112	102	99	105	102	97	91	92	82
Therapists, n.e.c.	102	89	99	114	114	97	99	101	84	80
Physicians' assistants	89	82	73	67	68	65	63	55	53	45
Teachers, postsecondary (college and university)	1,015	1,027	980	978	919	869	889	846	838	777
Earth, environmental, and marine science teachers	9	8	6	4	5	9	3	7	5	5
Biological science teachers	30	35	33	41	35	27	32	35	32	34
Chemistry teachers	17	21	20	19	15	14	13	19	19	24
Physics teachers	16	17	22	17	12	13	10	16	15	10
Natural science teachers, n.e.c.	1	3	4	3	2	3	4	3	1	1
Psychology teachers	21	18	30	31	31	25	22	27	16	20
Economics teachers	13	20	20	23	22	21	20	19	23	23
History teachers	14	17	19	17	20	18	20	11	16	14
Political science teachers	11	11	15	9	12	11	10	9	10	10
Sociology teachers	9	9	14	9	10	8	9	8	11	11
Social science teachers, n.e.c.	7	7	5	6	7	8	3	6	12	7
Engineering teachers	25	23	30	44	43	34	34	35	30	29
Mathematical science teachers	43	42	47	45	48	47	51	46	44	49
Computer science teachers	25	34	23	17	24	21	20	25	18	18
Medical science teachers	20	15	16	17	17	19	24	12	13	14
Health specialties teachers	39	44	44	44	41	46	46	43	36	36
Business, commerce, and marketing teachers	24	24	23	22	22	22	28	29	24	23
Agriculture and forestry teachers	5	5	8	3	6	6	2	2	4	4
Art, drama, and music teachers	44	45	35	39	45	36	40	30	33	35
Physical education teachers	6	9	9	6	9	8	8	6	8	7
Education teachers	11	14	11	12	8	12	14	10	13	12
English teachers	60	61	63	67	66	63	63	72	68	59
Foreign language teachers	26	28	26	28	18	21	24	30	20	22
Law teachers	6	13	9	10	6	7	7	5	11	7

**Employed persons by detailed occupation and sex,
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(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Health diagnosing practitioners, n.e.c.	59	41	38	51	34	32	29	31	32	26
Health assessment and treating occupations	2,511	2,369	2,313	2,242	2,154	2,148	2,026	2,006	1,929	1,900
Registered nurses	1,799	1,704	1,667	1,599	1,559	1,588	1,488	1,447	1,402	1,372
Pharmacists	198	187	171	174	168	153	162	172	162	158
Dietitians	90	70	83	83	74	63	73	81	70	71
Therapists	381	340	325	324	298	285	257	257	251	247
Respiratory (inhalation) therapists	77	68	63	63	65	60	73	70	67	69
Occupational therapists	47	33	37	42	29	30	27	26	22	28
Physical therapists	105	102	92	90	82	75	56	60	68	55
Speech therapists	78	72	63	63	66	73	61	58	51	51
Therapists, n.e.c.	74	66	71	66	57	48	40	42	42	44
Physicians' assistants	45	67	67	62	54	58	45	50	43	51
Teachers, postsecondary (college and university)	740	774	768	709	700	661	639	643	619	606
Earth, environmental, and marine science teachers	6	3	4	5	8	8	6	5	7	7
Biological science teachers	32	33	24	19	26	24	25	26	26	26
Chemistry teachers	22	14	13	12	13	12	16	18	13	18
Physics teachers	11	16	15	11	12	15	12	13	9	8
Natural science teachers, n.e.c.	2	6	2	1	2	3	1	1	1	1
Psychology teachers	20	21	15	18	20	18	15	19	21	16
Economics teachers	21	21	19	16	19	22	16	14	19	25
History teachers	17	16	16	12	17	19	18	17	20	17
Political science teachers	9	12	11	13	11	9	6	9	6	9
Sociology teachers	10	10	9	7	10	9	11	8	9	8
Social science teachers, n.e.c.	3	5	4	5	2	6	4	5	6	7
Engineering teachers	30	29	29	28	29	21	26	21	36	30
Mathematical science teachers	45	50	51	54	49	36	45	50	42	43
Computer science teachers	15	19	18	22	22	11	16	15	12	12
Medical science teachers	10	12	14	13	8	13	13	14	10	13
Health specialties teachers	42	40	31	34	37	37	38	41	44	45
Business, commerce, and marketing teachers	20	26	37	31	34	25	26	20	29	28
Agriculture and forestry teachers	5	7	5	5	4	3	4	6	5	5
Art, drama, and music teachers	34	40	44	45	48	40	42	41	40	42
Physical education teachers	8	8	11	11	12	13	11	14	10	13
Education teachers	10	11	12	11	11	10	8	12	8	8
English teachers	53	65	63	54	52	56	47	47	44	47
Foreign language teachers	28	28	23	22	22	18	16	24	19	25
Law teachers	9	5	6	10	6	8	10	6	5	5

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(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Social work teachers	3	1	1	5	5	1	3	3	2	4
Theology teachers	16	16	22	26	13	8	16	11	13	10
Trade and industrial teachers	2	4	1	1	3	4	8	4	4	4
Home economics teachers	—	0	0	0	2	0	0	1	1	1
Teachers, postsecondary, n.e.c.	6	5	9	6	2	6	6	9	7	4
Postsecondary teachers, subject not specified	507	478	417	406	371	348	347	314	326	279
Teachers, except postsecondary (college and university)	5,652	5,498	5,393	5,277	4,962	4,798	4,724	4,507	4,330	4,384
Teachers, prekindergarten and kindergarten	647	656	630	600	586	574	543	498	496	504
Teachers, elementary school	2,341	2,225	2,191	2,072	1,951	1,872	1,846	1,738	1,634	1,660
Teachers, secondary school	1,289	1,318	1,333	1,342	1,225	1,173	1,228	1,232	1,197	1,231
Teachers, special education	374	362	365	369	381	384	340	311	308	284
Teachers, n.e.c.	1,001	936	875	893	819	796	767	729	696	705
Counselors, educational and vocational	282	268	261	247	230	248	275	236	237	225
Librarians, archivists, and curators	231	232	266	264	236	217	202	211	219	222
Librarians	207	204	235	236	208	188	180	195	196	194
Archivists and curators	25	28	31	28	28	29	22	16	23	28
Social scientists and urban planners	457	457	454	460	430	441	438	453	440	398
Economists	123	135	141	141	137	135	148	148	106	117
Psychologists	277	271	267	266	232	256	245	260	280	239
Sociologists	1	3	2	2	4	5	5	5	5	4
Social scientists, n.e.c.	38	32	25	31	40	26	26	23	27	24
Urban planners	18	17	19	20	17	19	14	17	21	14
Social, recreation, and religious workers	1,556	1,447	1,507	1,435	1,329	1,357	1,332	1,303	1,209	1,099
Social workers	848	788	838	813	749	781	745	727	667	589
Recreation workers	129	122	126	128	132	126	106	110	105	90
Clergy	393	358	373	352	325	350	354	356	371	347
Religious workers, n.e.c.	186	178	171	141	122	101	127	110	66	72
Lawyers and judges	963	969	934	964	951	925	911	926	861	808
Lawyers	929	931	888	923	912	885	880	894	821	771
Judges	35	37	46	41	39	40	31	33	40	37
Writers, artists, entertainers, and athletes	2,498	2,564	2,457	2,454	2,353	2,234	2,188	2,054	2,011	2,028
Authors	139	121	138	148	130	137	114	118	112	138
Technical writers	68	82	71	71	73	61	63	53	72	63
Designers	770	803	745	722	692	658	603	556	548	540
Musicians and composers	161	178	161	172	183	155	175	161	164	174
Actors and directors	155	133	138	129	130	136	136	114	86	96
Painters, sculptors, craft artists, and artist printmakers	225	244	240	252	241	251	235	233	225	222

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Social work teachers	2	4	4	1	2	3	1	1	1	3
Theology teachers	12	11	13	11	12	16	11	9	12	11
Trade and industrial teachers	5	3	3	3	4	2	2	3	3	7
Home economics teachers	1	1	1	3	1	1	0	2	5	3
Teachers, postsecondary, n.e.c.	7	5	6	7	3	4	6	5	6	6
Postsecondary teachers, subject not specified	252	256	264	227	204	197	185	175	152	119
Teachers, except postsecondary (college and university)	4,200	4,010	3,972	3,936	3,773	3,587	3,559	3,523	3,441	3,365
Teachers, prekindergarten and kindergarten	484	446	457	431	393	389	359	329	330	299
Teachers, elementary school	1,634	1,514	1,496	1,489	1,424	1,329	1,340	1,360	1,322	1,350
Teachers, secondary school	1,164	1,214	1,199	1,220	1,187	1,172	1,195	1,175	1,203	1,209
Teachers, special education	267	280	269	257	246	216	216	206	182	81
Teachers, n.e.c.	654	556	552	539	524	480	448	454	404	425
Counselors, educational and vocational	234	221	215	214	206	191	173	177	192	184
Librarians, archivists, and curators	206	211	210	212	219	219	212	215	223	213
Librarians	181	193	191	188	196	196	194	201	210	193
Archivists and curators	25	18	19	24	23	23	17	14	14	21
Social scientists and urban planners	386	385	363	374	343	316	312	286	278	261
Economists	122	116	114	122	116	113	111	102	110	98
Psychologists	222	229	209	210	196	171	165	150	137	135
Sociologists	2	1	2	4	2	2	3	2	1	2
Social scientists, n.e.c.	28	24	22	17	13	18	19	16	16	14
Urban planners	12	15	15	21	16	12	14	16	15	13
Social, recreation, and religious workers	1,070	1,124	1,083	1,043	1,052	980	911	873	846	831
Social workers	593	606	566	527	537	507	480	438	428	407
Recreation workers	94	107	101	101	92	81	75	76	63	65
Clergy	314	327	320	336	348	312	285	289	290	293
Religious workers, n.e.c.	69	83	96	79	75	82	71	70	66	66
Lawyers and judges	781	765	751	774	757	707	650	671	678	651
Lawyers	747	737	725	741	724	672	618	642	646	612
Judges	34	28	26	33	33	36	32	29	33	39
Writers, artists, entertainers, and athletes	2,017	1,957	1,943	1,921	1,855	1,858	1,781	1,725	1,685	1,544
Authors	123	90	83	82	82	85	75	70	71	62
Technical writers	54	61	65	65	58	51	45	48	52	49
Designers	540	526	531	534	510	531	484	484	448	393
Musicians and composers	189	156	162	170	151	169	164	152	161	155
Actors and directors	96	87	97	96	100	88	86	77	68	60
Painters, sculptors, craft artists, and artist printmakers	222	206	216	229	215	191	189	200	212	186

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Photographers	178	157	149	166	154	132	141	136	148	135
Dancers	27	26	32	27	34	27	30	30	28	20
Artists, performers, and related workers, n.e.c.	138	163	141	127	123	118	115	102	91	92
Editors and reporters	280	311	290	290	274	257	280	273	267	265
Public relations specialists	211	182	206	190	170	148	150	142	142	155
Announcers	52	50	54	50	60	61	62	50	46	47
Athletes	95	114	90	110	91	92	85	87	81	81
Technical, sales, and administrative support occupations	38,947	39,469	39,815	38,921	38,521	38,309	37,683	37,417	37,306	37,058
Technicians and related support occupations	4,509	4,558	4,427	4,355	4,261	4,214	3,926	3,909	3,869	4,039
Health technologists and technicians	1,879	1,831	1,742	1,701	1,733	1,693	1,605	1,648	1,590	1,530
Clinical laboratory technologists and technicians	384	363	348	338	359	388	376	374	341	319
Dental hygienists	133	111	112	106	112	107	94	95	97	76
Health record technologists and technicians	21	18	17	18	18	18	16	20	31	64
Radiologic technicians	182	168	163	167	170	148	135	154	154	147
Licensed practical nurses	382	383	378	357	381	408	395	399	397	424
Health technologists and technicians, n.e.c.	777	788	724	715	694	624	588	607	569	501
Engineering and related technologists and technicians	980	1,025	1,010	973	970	960	919	880	916	875
Electrical and electronic technicians	433	486	472	437	431	391	361	334	316	299
Industrial engineering technicians	9	9	6	1	7	8	5	4	5	4
Mechanical engineering technicians	17	18	18	18	21	20	17	17	18	13
Engineering technicians, n.e.c.	209	219	216	215	212	243	230	234	270	241
Drafting occupations	247	225	219	235	228	222	233	229	239	246
Surveying and mapping technicians	65	68	79	67	71	76	73	62	68	73
Science technicians	291	295	273	293	285	287	245	276	266	264
Biological technicians	131	127	109	106	108	106	79	96	89	86
Chemical technicians	64	69	71	79	75	85	78	84	77	74
Science technicians, n.e.c.	96	99	93	108	102	96	87	96	100	104
Technicians, except health, engineering, and science	1,359	1,407	1,403	1,388	1,273	1,275	1,157	1,106	1,098	1,370
Airplane pilots and navigators	129	138	129	143	113	120	114	114	104	101
Air traffic controllers	30	28	24	24	26	36	32	30	24	25
Broadcast equipment operators	46	50	32	31	40	35	34	34	30	29
Computer programmers	605	667	710	665	613	626	561	553	549	582
Tool programmers, numerical control	11	18	12	10	7	5	2	2	3	3
Legal assistants	401	402	390	403	370	346	307	285	262	256
Technicians, n.e.c.	137	104	105	112	104	108	107	88	125	373

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Photographers	129	136	123	112	117	126	127	129	123	113
Dancers	21	18	14	14	16	15	15	15	12	10
Artists, performers, and related workers, n.e.c.	96	83	82	81	71	64	70	62	54	61
Editors and reporters	263	279	279	253	260	267	251	230	218	204
Public relations specialists	160	173	162	159	151	142	157	143	153	157
Announcers	54	61	53	51	52	59	55	51	55	38
Athletes	71	78	75	74	73	69	64	64	60	58
Technical, sales, and administrative support occupations	37,047	36,318	36,913	36,127	35,532	35,082	34,354	33,231	32,476	31,265
Technicians and related support occupations	4,277	3,814	3,866	3,645	3,521	3,346	3,364	3,255	3,172	3,053
Health technologists and technicians	1,524	1,382	1,304	1,276	1,226	1,142	1,124	1,115	1,112	1,111
Clinical laboratory technologists and technicians	304	319	298	308	272	259	285	295	281	255
Dental hygienists	73	84	87	80	78	74	59	56	62	66
Health record technologists and technicians	57	67	69	72	59	58	48	52	39	46
Radiologic technicians	146	140	122	124	133	127	113	121	110	101
Licensed practical nurses	452	443	441	414	423	406	417	402	416	443
Health technologists and technicians, n.e.c.	491	329	286	279	262	218	202	189	204	200
Engineering and related technologists and technicians	926	953	990	937	930	896	937	904	860	822
Electrical and electronic technicians	332	352	357	326	322	305	328	304	273	260
Industrial engineering technicians	4	6	5	4	5	3	6	6	9	9
Mechanical engineering technicians	14	17	21	13	11	10	10	14	12	15
Engineering technicians, n.e.c.	247	244	246	228	224	214	229	219	200	221
Drafting occupations	256	266	285	296	290	283	283	297	305	273
Surveying and mapping technicians	73	68	75	70	78	81	80	64	60	44
Science technicians	242	243	243	217	216	204	208	211	200	202
Biological technicians	80	65	69	59	55	59	55	54	55	52
Chemical technicians	77	89	85	74	81	73	78	88	72	82
Science technicians, n.e.c.	84	89	89	84	80	72	74	70	73	68
Technicians, except health, engineering, and science	1,585	1,237	1,329	1,216	1,149	1,104	1,095	1,026	1,001	917
Airplane pilots and navigators	96	100	114	109	88	78	79	77	75	69
Air traffic controllers	23	34	36	35	30	32	34	34	28	29
Broadcast equipment operators	30	27	31	24	16	21	22	25	28	34
Computer programmers	553	551	600	561	570	527	549	534	507	443
Tool programmers, numerical control	2	4	5	4	4	3	4	4	3	4
Legal assistants	242	221	230	210	203	189	176	148	137	128
Technicians, n.e.c.	637	299	313	272	237	253	232	204	224	211

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sales occupations	16,254	16,201	16,470	16,118	15,850	15,734	15,404	15,119	14,817	14,342
Supervisors and proprietors	4,828	4,900	4,990	4,896	4,719	4,635	4,501	4,480	4,443	4,014
Sales representatives, finance and business services	2,944	2,914	2,957	2,735	2,668	2,613	2,529	2,399	2,361	2,305
Insurance sales occupations	612	593	585	585	592	594	625	562	601	580
Real estate sales occupations	839	811	795	769	749	781	737	718	708	703
Securities and financial services sales occupations	568	566	605	541	477	429	406	397	391	353
Advertising and related sales occupations	181	180	165	187	186	173	158	151	147	161
Sales occupations, other business services	744	764	806	653	664	636	603	571	515	508
Sales reps, commodities, except retail	1,563	1,517	1,593	1,526	1,584	1,507	1,559	1,529	1,476	1,530
Sales engineers (1992 forward)	37	31	32	38	40	33	45	37	32	23
Sales reps, mining, manufacturing, wholesale (1992 forward)	1,526	1,486	1,561	1,488	1,544	1,474	1,514	1,492	1,445	1,507
Sales workers, retail and personal services	6,811	6,776	6,823	6,866	6,784	6,887	6,728	6,613	6,440	6,399
Sales workers, motor vehicles and boats	358	331	333	320	309	314	304	316	284	280
Sales workers, apparel	390	381	415	411	447	432	451	439	442	486
Sales workers, shoes	97	94	114	129	107	105	102	126	110	105
Sales workers, furniture and home furnishings	181	177	187	181	152	168	174	170	159	172
Sales workers, radio, television, hi-fi, and appliances	309	294	256	302	280	254	250	234	228	205
Sales workers, hardware and building supplies	296	303	329	287	262	258	254	247	253	250
Sales workers, parts	153	165	187	173	165	168	158	161	167	157
Sales workers, other commodities	1,467	1,443	1,434	1,386	1,416	1,466	1,499	1,498	1,379	1,444
Sales counter clerks	183	193	186	198	205	227	199	210	209	200
Cashiers	2,942	3,019	2,958	3,014	3,025	3,007	2,856	2,727	2,745	2,654
Street and door-to-door sales workers	334	284	314	365	315	362	360	366	335	321
News vendors	103	91	111	101	100	125	121	119	130	126
Sales-related occupations	107	95	108	95	94	91	87	99	96	93
Demonstrators, promoters, and models, sales	77	72	72	66	71	65	61	73	63	58
Auctioneers	7	7	11	8	9	8	5	5	8	10
Sales support occupations, n.e.c.	23	16	25	22	14	17	20	21	24	25
Administrative support occupations, including clerical	18,184	18,710	18,917	18,448	18,410	18,361	18,353	18,389	18,620	18,677
Supervisors, administrative support occupations	717	734	717	675	698	685	670	712	753	778
Supervisors, general office	402	428	407	360	397	392	379	441	465	484
Supervisors, computer equipment operators	17	11	11	13	20	20	26	17	21	28
Supervisors, financial records processing	107	107	74	82	88	93	84	86	97	97
Chief communications operators	6	3	5	4	2	4	6	7	3	3
Supervisors, distribution, scheduling, and adjusting clerks	185	185	220	216	192	176	176	161	167	167
Computer equipment operators	308	330	327	356	375	392	402	491	550	610

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sales occupations	14,014	14,052	14,285	14,065	13,747	13,480	13,245	12,667	12,582	11,818
Supervisors and proprietors	3,876	3,742	3,811	3,828	3,658	3,572	3,493	3,316	3,220	2,958
Sales representatives, finance and business services	2,236	2,335	2,425	2,371	2,410	2,330	2,255	2,099	1,992	1,853
Insurance sales occupations	571	585	602	535	545	544	562	541	551	551
Real estate sales occupations	712	707	749	772	792	778	737	659	626	570
Securities and financial services sales occupations	320	311	299	302	319	319	283	266	237	212
Advertising and related sales occupations	163	139	154	156	168	148	139	148	129	124
Sales occupations, other business services	467	594	622	607	585	542	534	485	448	396
Sales reps, commodities, except retail	1,564	1,594	1,630	1,612	1,551	1,544	1,505	1,509	1,473	1,442
Sales engineers (1992 forward)	33	—	—	—	—	—	—	—	—	—
Sales reps, mining, manufacturing, wholesale (1992 forward)	1,529	—	—	—	—	—	—	—	—	—
Sales workers, retail and personal services	6,246	6,308	6,346	6,186	6,068	5,973	5,927	5,682	5,843	5,511
Sales workers, motor vehicles and boats	272	273	305	300	294	304	283	275	259	230
Sales workers, apparel	488	484	463	449	462	450	454	465	440	451
Sales workers, shoes	114	105	108	107	112	120	113	108	126	117
Sales workers, furniture and home furnishings	160	157	153	152	166	167	172	161	156	140
Sales workers, radio, television, hi-fi, and appliances	184	183	201	203	180	187	172	170	164	124
Sales workers, hardware and building supplies	236	226	206	206	198	209	200	198	209	189
Sales workers, parts	155	152	157	160	169	157	171	153	156	149
Sales workers, other commodities	1,409	1,472	1,516	1,522	1,537	1,514	1,426	1,388	1,477	1,441
Sales counter clerks	202	195	201	190	189	174	168	140	131	140
Cashiers	2,588	2,565	2,556	2,473	2,337	2,286	2,310	2,174	2,193	2,009
Street and door-to-door sales workers	317	371	364	323	318	303	336	325	392	378
News vendors	122	124	116	101	108	100	123	126	138	143
Sales-related occupations	92	74	72	68	59	60	65	63	54	54
Demonstrators, promoters, and models, sales	55	41	42	44	38	38	39	37	27	28
Auctioneers	12	14	9	7	7	9	7	7	5	7
Sales support occupations, n.e.c.	26	19	21	18	15	14	18	18	21	19
Administrative support occupations, including clerical	18,757	18,452	18,762	18,416	18,264	18,256	17,745	17,309	16,722	16,395
Supervisors, administrative support occupations	760	777	772	736	764	723	727	712	647	676
Supervisors, general office	467	449	475	446	458	439	437	421	375	382
Supervisors, computer equipment operators	27	33	39	37	46	43	40	45	38	40
Supervisors, financial records processing	87	107	89	82	91	79	94	87	81	93
Chief communications operators	4	6	4	2	3	2	4	4	4	4
Supervisors, distribution, scheduling, and adjusting clerks	175	183	165	169	165	159	152	156	149	156
Computer equipment operators	672	754	823	876	869	914	859	779	718	605

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Computer operators	301	324	325	350	371	385	398	485	546	604
Peripheral equipment operators	7	6	2	6	4	7	4	5	5	6
Secretaries, stenographers, and typists	3,020	3,150	3,367	3,457	3,599	3,692	3,868	4,106	4,163	4,183
Secretaries	2,302	2,460	2,655	2,781	2,914	3,033	3,164	3,361	3,397	3,588
Stenographers	146	157	156	120	106	104	109	89	105	94
Typists	571	533	556	556	580	555	595	656	661	501
Information clerks	2,053	2,034	2,091	2,143	1,965	1,993	1,927	1,872	1,755	1,697
Interviewers	169	167	214	171	166	174	168	183	158	150
Hotel clerks	131	121	131	125	126	125	105	99	107	105
Transportation ticket and reservation agents	237	275	291	286	273	285	304	310	260	253
Receptionists	1,068	1,053	1,026	1,091	1,006	1,005	960	939	931	909
Information clerks, n.e.c.	449	417	429	469	394	404	391	342	300	280
Records processing occupations, except financial	995	1,079	1,126	1,047	1,063	935	911	959	890	921
Classified-ad clerks	3	1	4	3	5	4	3	3	2	3
Correspondence clerks	9	5	10	6	12	6	6	13	11	12
Order clerks	289	322	307	270	246	231	220	251	202	213
Personnel clerks, except payroll and timekeeping	70	56	84	70	74	69	66	60	66	64
Library clerks	130	153	151	151	173	155	145	143	147	148
File clerks	288	333	341	345	348	295	309	317	280	296
Records clerks	206	211	229	202	205	175	163	172	181	184
Financial records processing occupations	2,205	2,237	2,293	2,181	2,214	2,196	2,272	2,255	2,278	2,271
Bookkeepers, accounting, and auditing clerks	1,592	1,635	1,737	1,691	1,726	1,735	1,774	1,776	1,829	1,804
Payroll and timekeeping clerks	175	182	177	146	146	155	167	161	155	173
Billing clerks	229	217	200	179	185	161	169	176	177	161
Cost and rate clerks	51	53	43	60	52	47	57	52	46	60
Billing, posting, and calculating machine operators	159	150	136	105	105	98	104	91	70	73
Duplicating, mail, and other office machine operators	58	58	56	63	81	77	75	72	58	65
Duplicating machine operators	34	35	33	36	46	38	34	43	25	29
Mail preparing and paper handling machine operators	5	7	6	4	15	11	7	7	7	11
Office machine operators, n.e.c.	19	16	18	23	20	28	34	22	25	24
Communications equipment operators	138	155	169	158	175	185	177	185	179	211
Telephone operators	119	139	158	142	159	173	164	176	165	200
Telegraphers (through 1991)	—	—	—	—	—	—	—	—	—	—
Communications equipment operators, n.e.c.	19	16	11	15	17	11	13	9	14	11
Mail and message distributing operators	907	943	990	990	984	977	998	1,006	982	962
Postal clerks, except mail carriers	274	298	307	313	319	320	310	301	311	299
Mail carriers, postal service	338	344	345	332	333	314	325	362	354	334

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Computer operators	668	749	816	870	865	911	853	774	713	597
Peripheral equipment operators	5	5	7	6	4	3	6	6	4	9
Secretaries, stenographers, and typists	4,325	4,432	4,665	4,788	4,876	5,004	4,940	5,002	4,877	4,861
Secretaries	3,702	3,790	3,959	4,010	4,030	4,107	4,023	4,059	3,935	3,891
Stenographers	72	44	58	46	48	54	47	62	58	65
Typists	555	598	648	731	798	843	870	880	885	906
Information clerks	1,670	1,532	1,542	1,451	1,479	1,371	1,326	1,257	1,250	1,174
Interviewers	152	168	206	183	163	157	182	172	181	184
Hotel clerks	109	103	94	89	103	90	77	71	74	64
Transportation ticket and reservation agents	251	119	123	112	114	111	114	106	97	98
Receptionists	901	884	860	815	848	766	724	679	665	602
Information clerks, n.e.c.	257	259	259	252	251	246	229	229	232	226
Records processing occupations, except financial	931	904	929	851	827	844	845	842	847	866
Classified-ad clerks	3	5	10	6	4	4	5	9	6	7
Correspondence clerks	10	14	17	25	15	18	16	14	18	16
Order clerks	221	232	207	199	197	189	201	198	185	188
Personnel clerks, except payroll and timekeeping	69	70	80	77	65	70	62	62	64	64
Library clerks	155	154	169	144	143	146	137	136	130	147
File clerks	299	304	305	284	271	281	311	290	298	287
Records clerks	174	125	142	116	132	135	113	134	146	157
Financial records processing occupations	2,336	2,389	2,418	2,394	2,414	2,469	2,473	2,503	2,452	2,457
Bookkeepers, accounting, and auditing clerks	1,839	1,911	1,910	1,926	1,970	2,004	2,007	2,037	2,010	1,970
Payroll and timekeeping clerks	171	170	195	177	173	177	171	177	176	192
Billing clerks	181	171	185	159	157	171	164	158	146	146
Cost and rate clerks	67	81	77	83	75	84	85	82	81	96
Billing, posting, and calculating machine operators	73	56	51	49	38	33	45	49	40	53
Duplicating, mail, and other office machine operators	74	73	73	65	68	69	77	65	72	68
Duplicating machine operators	40	34	35	25	21	24	23	24	23	21
Mail preparing and paper handling machine operators	11	10	7	10	13	13	15	8	10	8
Office machine operators, n.e.c.	23	30	30	30	34	32	39	34	39	39
Communications equipment operators	227	227	224	210	218	225	230	223	234	256
Telephone operators	217	215	210	201	210	218	220	215	226	244
Telegraphers (through 1991)	—	7	8	6	5	4	5	5	5	5
Communications equipment operators, n.e.c.	11	5	6	3	3	2	5	3	3	6
Mail and message distributing operators	911	931	983	952	936	961	903	805	800	799
Postal clerks, except mail carriers	254	281	299	313	313	315	299	258	257	248
Mail carriers, postal service	325	331	339	327	320	321	297	255	249	259

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Mail clerks, except postal service	165	146	180	194	178	181	188	187	170	169
Messengers	130	155	157	151	155	161	175	156	147	161
Material recording, scheduling, and distribution clerks	1,995	2,037	2,078	1,959	1,945	1,953	1,922	1,876	1,798	1,872
Dispatchers	258	226	271	274	235	233	249	247	226	222
Production coordinators	230	233	228	208	255	263	214	208	200	196
Traffic, shipping, and receiving clerks	623	673	674	646	628	638	616	639	571	578
Stock and inventory clerks	463	442	466	459	452	454	497	462	459	495
Meter readers	47	54	46	46	41	51	49	49	54	60
Weighers, measurers, checkers, and samplers (1992 forward)	53	51	65	48	51	53	55	57	71	68
Weighers, measurers, and checkers (through 1991)	—	—	—	—	—	—	—	—	—	—
Samplers (through 1991)	—	—	—	—	—	—	—	—	—	—
Expeditors	310	344	313	264	272	245	220	194	196	231
Material recording, scheduling, and distribution clerks, n.e.c.	11	15	16	13	12	17	21	21	22	23
Adjusters and investigators	1,929	1,964	1,837	1,802	1,813	1,701	1,598	1,414	1,414	1,380
Insurance adjusters, examiners, and investigators	497	483	455	472	476	434	410	365	364	372
Investigators and adjusters, except insurance	1,135	1,185	1,111	1,054	1,049	983	907	809	788	754
Eligibility clerks, social welfare	86	90	96	102	94	112	114	89	109	86
Bill and account collectors	212	206	177	175	195	172	166	151	153	168
Miscellaneous administrative support occupations	3,858	3,989	3,864	3,616	3,496	3,576	3,533	3,441	3,799	3,730
General office clerks	842	914	875	728	735	818	762	694	696	740
Bank tellers	477	440	434	425	416	446	431	443	441	453
Proofreaders	13	24	20	19	21	22	22	24	25	30
Data-entry keyers	595	696	756	746	711	664	693	652	627	633
Statistical clerks	97	109	105	94	100	89	96	94	75	50
Teachers' aides	813	789	717	689	633	623	623	634	582	512
Administrative support occupations, n.e.c.	1,021	1,017	957	915	879	914	906	901	1,352	1,311
Service occupations	19,219	18,656	18,512	17,915	17,836	17,537	17,177	16,930	16,912	16,821
Private household occupations	746	733	801	831	847	795	804	821	817	928
Launderers and ironers	2	2	1	2	1	4	2	2	1	3
Cooks, private household	8	6	4	7	4	8	8	7	9	7
Housekeepers and butlers	7	22	12	7	14	11	14	12	20	22
Child care workers, private household	229	244	276	295	278	260	276	312	286	355
Private household cleaners and servants	500	459	509	521	549	512	504	487	500	541
Protective service occupations	2,596	2,502	2,417	2,440	2,417	2,300	2,187	2,237	2,249	2,165
Supervisors, protective service occupations	237	210	202	181	214	181	184	193	219	184

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Mail clerks, except postal service	184	177	193	179	163	172	168	168	175	170
Messengers	147	142	152	133	141	153	139	124	120	122
Material recording, scheduling, and distribution clerks	1,865	1,804	1,857	1,745	1,681	1,709	1,639	1,669	1,608	1,562
Dispatchers	213	217	224	189	171	197	187	187	164	157
Production coordinators	194	185	198	196	192	192	178	181	193	182
Traffic, shipping, and receiving clerks	557	558	556	550	521	483	468	491	447	421
Stock and inventory clerks	551	572	606	561	559	580	553	546	536	532
Meter readers	49	48	42	50	48	48	40	42	48	45
Weighers, measurers, checkers, and samplers (1992 forward)	66	—	—	—	—	—	—	—	—	—
Weighers, measurers, and checkers (through 1991)	—	65	78	76	72	72	72	76	69	79
Samplers (through 1991)	—	1	1	1	1	1	2	2	0	1
Expeditors	211	133	127	96	95	109	109	113	120	112
Material recording, scheduling, and distribution clerks, n.e.c.	23	24	25	27	22	28	28	31	31	34
Adjusters and investigators	1,308	1,186	1,136	1,079	949	897	824	723	685	675
Insurance adjusters, examiners, and investigators	375	354	354	325	287	257	250	220	206	199
Investigators and adjusters, except insurance	691	573	542	546	466	442	382	348	315	301
Eligibility clerks, social welfare	79	91	88	72	65	67	70	58	71	69
Bill and account collectors	164	169	152	136	130	131	122	97	93	106
Miscellaneous administrative support occupations	3,674	3,442	3,340	3,269	3,183	3,071	2,902	2,728	2,531	2,397
General office clerks	727	774	781	810	833	803	740	694	664	648
Bank tellers	475	489	474	503	478	467	482	484	482	480
Proofreaders	23	23	30	37	29	28	25	33	27	25
Data-entry keyers	579	526	496	414	362	361	343	353	351	311
Statistical clerks	59	76	89	86	85	98	102	96	95	96
Teachers' aides	488	490	495	440	423	390	381	379	345	348
Administrative support occupations, n.e.c.	1,323	1,065	975	978	972	925	828	689	568	487
Service occupations	16,377	16,254	16,012	15,556	15,332	15,054	14,680	14,441	14,151	13,857
Private household occupations	891	799	792	872	909	934	981	1,006	993	980
Launderers and ironers	3	3	3	3	5	4	4	3	3	3
Cooks, private household	9	10	12	17	16	13	16	17	23	16
Housekeepers and butlers	27	31	46	31	34	41	34	36	40	41
Child care workers, private household	362	348	320	358	378	405	400	399	383	408
Private household cleaners and servants	489	407	411	464	476	472	527	550	544	512
Protective service occupations	2,114	2,083	2,000	1,960	1,944	1,907	1,787	1,718	1,678	1,672
Supervisors, protective service occupations	172	181	170	169	174	161	162	134	135	127

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Supervisors, firefighting and fire prevention	45	38	32	39	41	35	39	38	50	35
Supervisors, police and detectives	126	111	117	96	118	108	97	102	109	95
Supervisors, guards	66	61	54	45	55	39	48	53	60	54
Firefighting and fire prevention occupations	262	262	248	241	250	233	231	249	210	209
Fire inspection and fire prevention occupations	14	15	16	18	21	14	14	12	16	20
Firefighting occupations	248	247	233	223	228	218	217	237	195	189
Police and detectives	1,076	1,075	1,069	1,108	1,062	1,005	960	949	968	928
Police and detectives, public service	586	585	568	618	602	579	566	519	532	514
Sheriffs, bailiffs, and other law enforcement officers	162	166	156	175	161	142	126	151	130	117
Correctional institution officers	328	324	345	315	299	284	267	278	305	297
Guards	1,022	955	898	910	891	881	811	846	851	844
Crossing guards	38	43	35	40	40	36	35	40	38	46
Guards and police, except public service	885	805	756	763	753	738	686	709	717	718
Protective service occupations, n.e.c.	100	107	108	107	97	107	91	97	97	81
Service occupations, except protective and private household	15,877	15,421	15,294	14,644	14,572	14,442	14,186	13,872	13,847	13,727
Food preparation and service occupations	6,614	6,372	6,423	6,091	6,071	5,999	5,906	5,800	5,960	5,854
Supervisors, food preparation and service	488	492	436	469	417	393	402	382	393	342
Bartenders	341	345	367	316	324	310	314	287	322	322
Waiters and waitresses	1,430	1,362	1,446	1,431	1,379	1,375	1,375	1,426	1,446	1,446
Cooks (1992 forward)	2,264	2,138	2,134	2,078	2,135	2,126	2,061	2,001	2,071	2,056
Cooks, except short order (through 1991)	—	—	—	—	—	—	—	—	—	—
Short-order cooks (through 1991)	—	—	—	—	—	—	—	—	—	—
Food counter, fountain, and related occupations	398	386	356	360	339	322	311	321	351	380
Kitchen workers, food preparation	338	308	320	293	269	278	257	280	265	266
Waiters'/waitresses' assistants	696	653	679	538	559	536	523	479	433	386
Miscellaneous food preparation occupations	659	689	685	606	650	660	664	624	679	656
Health service occupations	2,817	2,720	2,576	2,521	2,480	2,447	2,398	2,315	2,157	2,239
Dental assistants	224	222	220	213	230	231	212	211	188	183
Health aides, except nursing	350	385	358	338	337	341	336	347	333	315
Nursing aides, orderlies, and attendants	2,243	2,112	1,998	1,970	1,913	1,875	1,850	1,757	1,636	1,740
Cleaning and building service occupations	3,162	3,187	3,188	3,021	3,112	3,108	3,125	2,946	2,948	3,012
Supervisors, cleaning and building service workers	183	187	169	163	165	183	166	179	160	150
Maids and housemen (except private household)	709	708	664	663	653	643	683	634	680	675
Janitors and cleaners	2,199	2,216	2,276	2,118	2,233	2,226	2,205	2,071	2,048	2,124
Elevator operators	8	8	5	6	4	6	6	6	9	11
Pest control occupations	63	68	72	70	57	51	64	57	50	53

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Supervisors, firefighting and fire prevention	36	40	43	38	37	40	38	27	31	33
Supervisors, police and detectives	81	95	86	83	93	83	88	73	65	58
Supervisors, guards	55	46	42	48	45	38	36	34	38	36
Firefighting and fire prevention occupations	205	220	220	208	218	221	218	209	185	189
Fire inspection and fire prevention occupations	16	19	15	19	19	17	13	23	18	19
Firefighting occupations	190	201	205	188	199	204	205	186	168	170
Police and detectives	869	874	833	803	755	717	666	652	671	645
Police and detectives, public service	463	487	476	461	427	438	402	419	422	412
Sheriffs, bailiffs, and other law enforcement officers	108	116	114	112	111	104	89	86	83	87
Correctional institution officers	298	270	243	230	217	175	174	147	167	146
Guards	870	808	777	781	796	809	741	722	687	711
Crossing guards	45	37	29	40	46	46	41	44	34	44
Guards and police, except public service	738	693	676	658	675	689	642	615	603	602
Protective service occupations, n.e.c.	88	79	71	83	75	73	58	63	49	64
Service occupations, except protective and private household	13,373	13,372	13,220	12,724	12,479	12,213	11,913	11,718	11,481	11,205
Food preparation and service occupations	5,618	5,530	5,514	5,351	5,182	5,204	5,127	5,094	4,989	4,860
Supervisors, food preparation and service	343	325	350	356	325	301	293	284	259	239
Bartenders	291	292	309	322	324	326	322	324	340	338
Waiters and waitresses	1,399	1,382	1,422	1,389	1,363	1,383	1,403	1,367	1,380	1,357
Cooks (1992 forward)	1,940	—	—	—	—	—	—	—	—	—
Cooks, except short order (through 1991)	—	1,839	1,793	1,713	1,634	1,627	1,563	1,553	1,412	1,359
Short-order cooks (through 1991)	—	85	79	91	95	93	111	103	95	93
Food counter, fountain, and related occupations	327	340	336	354	325	359	340	333	367	326
Kitchen workers, food preparation	251	134	132	126	132	130	126	134	147	138
Waiters'/waitresses' assistants	383	401	379	352	339	325	332	350	344	364
Miscellaneous food preparation occupations	671	731	714	648	645	660	637	646	644	646
Health service occupations	2,124	2,199	2,100	2,042	1,977	1,873	1,823	1,760	1,746	1,739
Dental assistants	171	179	188	187	165	169	167	168	170	154
Health aides, except nursing	366	500	452	416	407	380	357	350	341	316
Nursing aides, orderlies, and attendants	1,588	1,520	1,461	1,439	1,404	1,324	1,299	1,242	1,235	1,269
Cleaning and building service occupations	3,035	3,112	3,164	2,997	2,994	2,886	2,861	2,815	2,802	2,736
Supervisors, cleaning and building service workers	174	174	148	154	159	161	146	148	127	124
Maids and housemen (except private household)	652	732	742	646	644	602	583	563	550	531
Janitors and cleaners	2,149	2,154	2,222	2,148	2,133	2,059	2,075	2,049	2,074	2,031
Elevator operators	8	7	10	9	11	9	15	15	14	15
Pest control occupations	47	45	42	39	48	55	43	39	38	35

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Personal service occupations	3,284	3,141	3,107	3,011	2,909	2,888	2,756	2,810	2,782	2,622
Supervisors, personal service occupations	143	126	121	134	142	145	135	134	127	116
Barbers	91	90	109	81	66	79	85	87	98	87
Hairdressers and cosmetologists	908	858	835	784	763	748	737	750	753	762
Attendants, amusement and recreation facilities	267	266	249	247	215	206	197	194	201	165
Guides	41	40	38	35	45	41	50	53	43	43
Ushers	31	32	39	34	39	30	30	34	26	30
Public transportation attendants	129	135	129	111	124	115	95	94	104	105
Baggage porters and bellhops	43	48	44	48	42	47	43	43	37	33
Welfare service aides	113	107	99	97	92	95	96	93	81	74
Child care workers, except private household (through 1991)	—	—	—	—	—	—	—	—	—	—
Family child care providers (1992 forward)	457	460	460	469	486	513	479	486	428	304
Early childhood teachers assistants (1992 forward)	536	499	480	509	453	432	387	396	416	424
Child care workers, n.e.c. (1992 forward)	228	219	251	243	236	223	208	244	255	283
Personal service occupations, n.e.c.	297	263	253	219	206	212	213	202	213	196
Precision production, craft, and repair occupations	14,660	15,138	15,111	14,593	14,411	14,124	13,587	13,524	13,489	13,429
Mechanics and repairers	4,760	4,869	4,924	4,868	4,786	4,675	4,521	4,423	4,419	4,442
Supervisors, mechanics and repairers	237	260	226	264	259	247	225	250	236	218
Mechanics and repairers, except supervisors	4,523	4,609	4,698	4,604	4,527	4,428	4,296	4,173	4,183	4,223
Vehicle and mobile equipment mechanics and repairers	1,831	1,820	1,806	1,768	1,845	1,898	1,831	1,710	1,734	1,820
Automobile mechanics	867	830	870	837	877	905	889	819	864	866
Bus, truck, and stationary engine mechanics	343	345	346	330	334	341	336	321	306	346
Aircraft engine mechanics	126	123	127	147	153	135	137	121	129	140
Small engine repairers	53	72	60	72	64	60	60	64	52	70
Automobile body and related repairers	212	225	191	167	188	214	208	181	186	195
Aircraft mechanics, except engine	14	25	23	23	20	24	15	22	13	15
Heavy equipment mechanics	180	159	163	160	170	179	156	155	151	153
Farm equipment mechanics	38	41	26	31	39	41	30	27	34	33
Industrial machinery repairers	460	462	530	570	562	539	540	569	561	550
Machinery maintenance occupations	18	20	22	15	15	17	20	21	23	25
Electrical and electronic equipment repairers	870	994	1,005	966	866	726	662	642	666	657
Electronic repairers, communications and industrial equip.	193	202	193	217	187	191	166	172	160	166
Data processing equipment repairers	283	315	344	315	274	190	188	149	163	153
Household appliance and power tool repairers	37	49	46	47	42	35	34	39	46	41
Telephone line installers and repairers	42	55	54	56	48	47	34	57	47	46
Telephone installers and repairers	240	297	298	249	232	197	176	163	191	188

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Personal service occupations	2,597	2,531	2,442	2,333	2,327	2,249	2,101	2,049	1,943	1,870
Supervisors, personal service occupations	76	53	51	43	46	43	43	41	46	46
Barbers	86	103	93	81	94	90	92	91	100	92
Hairdressers and cosmetologists	762	750	738	736	769	743	719	707	656	622
Attendants, amusement and recreation facilities	159	151	150	133	130	128	121	125	118	131
Guides	41	35	51	45	39	39	32	33	31	29
Ushers	30	23	22	26	24	21	18	19	18	22
Public transportation attendants	91	86	100	86	77	76	71	65	69	63
Baggage porters and bellhops	38	41	39	33	35	36	31	20	18	19
Welfare service aides	92	121	94	95	92	104	87	82	80	77
Child care workers, except private household (through 1991)	—	974	901	861	853	827	762	738	677	633
Family child care providers (1992 forward)	322	—	—	—	—	—	—	—	—	—
Early childhood teachers assistants (1992 forward)	390	—	—	—	—	—	—	—	—	—
Child care workers, n.e.c. (1992 forward)	312	—	—	—	—	—	—	—	—	—
Personal service occupations, n.e.c.	201	194	202	194	167	142	127	128	130	135
Precision production, craft, and repair occupations	13,225	13,250	13,745	13,818	13,664	13,568	13,405	13,340	13,057	12,328
Mechanics and repairers	4,466	4,445	4,470	4,550	4,454	4,445	4,374	4,475	4,376	4,158
Supervisors, mechanics and repairers	230	250	249	285	256	259	247	266	256	252
Mechanics and repairers, except supervisors	4,235	4,195	4,221	4,265	4,198	4,186	4,127	4,209	4,119	3,906
Vehicle and mobile equipment mechanics and repairers	1,864	1,791	1,783	1,793	1,811	1,779	1,787	1,850	1,784	1,683
Automobile mechanics	906	874	873	880	879	871	871	906	866	800
Bus, truck, and stationary engine mechanics	334	303	315	320	325	329	337	347	346	299
Aircraft engine mechanics	146	134	110	122	131	117	99	90	88	95
Small engine repairers	55	70	67	65	70	70	71	75	68	63
Automobile body and related repairers	206	193	204	191	194	184	196	212	205	199
Aircraft mechanics, except engine	21	19	18	15	22	17	15	15	8	16
Heavy equipment mechanics	159	164	155	160	159	157	164	162	163	162
Farm equipment mechanics	37	34	40	40	31	33	35	43	40	49
Industrial machinery repairers	556	519	496	539	547	542	541	531	550	529
Machinery maintenance occupations	23	26	24	25	28	36	36	35	30	29
Electrical and electronic equipment repairers	656	714	715	680	677	685	710	701	686	674
Electronic repairers, communications and industrial equip.	156	173	183	165	165	171	166	159	159	158
Data processing equipment repairers	148	153	159	152	140	134	133	119	107	98
Household appliance and power tool repairers	51	53	50	49	47	46	44	50	53	48
Telephone line installers and repairers	58	65	62	54	61	57	64	68	62	59
Telephone installers and repairers	173	196	193	193	202	215	228	229	235	247

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Misc. electrical and electronic equipment repairers	76	76	70	83	83	66	65	62	59	63
Heating, air conditioning, and refrigeration mechanics	357	331	376	357	323	329	304	260	277	263
Miscellaneous mechanics and repairers	986	982	960	927	916	919	939	972	923	909
Camera, watch, and musical instrument repairers	30	36	32	31	41	37	31	39	36	43
Locksmiths and safe repairers	22	27	37	36	29	25	26	31	30	23
Office machine repairers	49	49	53	47	62	60	56	60	61	60
Mechanical controls and valve repairers	17	13	15	15	18	22	17	17	14	18
Elevator installers and repairers	29	34	32	25	20	21	29	24	20	26
Millwrights	68	71	78	72	83	89	89	83	80	85
Specified mechanics and repairers, n.e.c.	459	438	434	409	415	401	437	468	488	453
Not specified mechanics and repairers	314	315	277	293	248	264	254	251	195	201
Construction trades	6,304	6,391	6,226	5,801	5,594	5,378	5,108	5,098	5,008	5,048
Supervisors, construction occupations	963	998	973	817	755	693	664	725	704	732
Supervisors, brickmasons, stonemasons, and tile setters	5	8	7	2	7	7	5	7	7	10
Supervisors, carpenters and related workers	17	20	24	30	18	19	27	18	21	19
Supervisors, electricians and power transmission installers	44	50	58	46	47	33	36	42	42	46
Supervisors, painters, paperhangers, and plasterers	20	16	22	20	17	9	11	17	10	8
Supervisors, plumbers, pipefitters, and steamfitters	17	9	20	16	12	18	18	14	14	14
Construction supervisors, n.e.c.	861	895	842	703	655	607	567	627	609	635
Construction trades, except supervisors	5,341	5,392	5,253	4,985	4,839	4,685	4,443	4,372	4,304	4,316
Brickmasons and stonemasons	236	248	248	197	195	184	162	181	190	189
Tile setters, hard and soft	104	93	97	95	63	72	59	52	56	57
Carpet installers	140	124	127	129	135	121	103	119	114	96
Carpenters	1,563	1,524	1,491	1,398	1,346	1,335	1,220	1,255	1,265	1,285
Drywall installers	187	204	220	187	180	159	168	138	154	139
Electricians	862	881	864	834	806	774	763	736	659	666
Electrical power installers and repairers	126	140	133	134	141	113	126	126	116	110
Painters, construction and maintenance	654	656	640	603	590	545	504	509	543	559
Paperhangers	18	19	24	34	33	34	35	37	30	24
Plasterers	49	65	52	48	47	47	36	38	38	40
Plumbers, pipefitters, and steamfitters	548	569	547	540	531	548	555	502	508	437
Concrete and terrazzo finishers	104	124	102	107	83	92	80	77	75	78
Glaziers	47	32	36	47	54	43	39	37	36	35
Insulation workers	60	60	59	57	55	58	54	62	64	61
Paving, surfacing, and tamping equipment operators	13	19	13	15	17	8	9	5	8	12
Roofers	235	223	223	214	241	200	197	205	180	229

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Misc. electrical and electronic equipment repairers	71	74	67	67	63	63	74	75	69	64
Heating, air conditioning, and refrigeration mechanics	241	254	268	279	262	264	261	251	241	200
Miscellaneous mechanics and repairers	894	892	935	948	874	880	791	841	829	792
Camera, watch, and musical instrument repairers	40	33	36	32	30	30	31	35	42	45
Locksmiths and safe repairers	19	21	20	24	24	20	16	25	24	19
Office machine repairers	59	64	76	67	60	64	59	63	59	66
Mechanical controls and valve repairers	21	23	24	19	22	22	21	26	26	30
Elevator installers and repairers	19	24	27	21	19	22	21	22	20	25
Millwrights	90	77	93	101	96	96	92	87	90	94
Specified mechanics and repairers, n.e.c.	432	436	432	469	448	444	402	420	418	350
Not specified mechanics and repairers	214	212	227	215	175	182	150	162	148	162
Construction trades	4,827	4,852	5,199	5,142	5,098	5,011	4,924	4,745	4,573	4,289
Supervisors, construction occupations	651	609	653	662	617	630	615	602	560	504
Supervisors, brickmasons, stonemasons, and tile setters	6	7	10	8	8	6	6	6	8	8
Supervisors, carpenters and related workers	22	23	21	22	27	25	26	27	19	23
Supervisors, electricians and power transmission installers	42	34	39	42	45	38	38	44	49	36
Supervisors, painters, paperhangers, and plasterers	13	13	13	15	10	14	16	20	15	13
Supervisors, plumbers, pipefitters, and steamfitters	16	10	12	14	15	15	16	14	15	17
Construction supervisors, n.e.c.	553	522	558	562	512	532	513	490	454	407
Construction trades, except supervisors	4,177	4,243	4,545	4,479	4,481	4,382	4,309	4,143	4,013	3,784
Brickmasons and stonemasons	183	169	196	219	202	193	177	173	177	156
Tile setters, hard and soft	59	61	69	57	53	49	50	48	38	43
Carpet installers	102	99	112	109	108	100	104	92	99	88
Carpenters	1,244	1,286	1,375	1,369	1,427	1,388	1,327	1,259	1,280	1,160
Drywall installers	119	128	159	155	149	148	158	140	111	95
Electricians	663	678	701	702	701	650	635	636	626	602
Electrical power installers and repairers	103	114	121	104	101	111	108	107	110	106
Painters, construction and maintenance	547	544	561	543	525	525	521	496	465	473
Paperhangers	31	29	26	35	34	39	31	25	24	27
Plasterers	37	29	39	44	33	41	30	33	32	31
Plumbers, pipefitters, and steamfitters	428	442	457	456	494	491	473	454	460	443
Concrete and terrazzo finishers	60	69	73	77	85	75	87	85	74	64
Glaziers	38	36	44	40	37	41	48	46	31	39
Insulation workers	60	51	56	64	54	53	60	59	54	56
Paving, surfacing, and tamping equipment operators	13	12	17	15	15	11	10	7	8	7
Roofers	193	199	216	178	156	171	187	178	178	133

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sheet metal duct installers	43	32	33	47	43	40	36	31	31	29
Structural metalworkers	67	77	80	71	63	66	61	59	49	46
Drillers, earth	14	21	24	23	20	15	17	15	18	20
Construction trades, n.e.c.	268	281	240	206	193	231	220	188	169	205
Extractive occupations	115	135	128	130	125	145	130	136	142	149
Supervisors, extractive occupations	30	41	44	35	37	39	39	47	40	50
Drillers, oil well	24	32	24	25	23	35	22	24	26	27
Explosives workers	6	9	6	9	6	3	5	6	10	7
Mining machine operators	29	32	34	36	32	36	39	36	39	37
Mining occupations, n.e.c.	26	20	21	25	26	32	26	24	26	28
Precision production occupations	3,481	3,744	3,832	3,793	3,907	3,926	3,828	3,867	3,921	3,790
Supervisors, production occupations	1,056	1,110	1,144	1,160	1,221	1,262	1,226	1,235	1,254	1,230
Precision metalworking occupations	826	871	876	928	948	912	910	911	903	838
Tool and die makers	99	112	122	142	138	130	132	143	141	132
Precision assemblers, metal	26	33	26	26	25	22	19	21	21	23
Machinists	470	500	494	515	535	514	491	509	492	443
Boilermakers	22	27	25	26	24	25	30	30	27	22
Precision grinders, fitters, and tool sharpeners	11	10	19	16	16	13	15	18	11	15
Patternmakers and model makers, metal	5	8	5	8	8	8	5	6	6	10
Lay-out workers	8	4	7	8	10	10	13	14	9	13
Precious stones and metals workers (jewelers)	52	47	44	41	48	53	57	42	56	62
Engravers, metal	8	14	10	12	18	15	21	14	12	10
Sheet metal workers	125	115	123	135	127	121	126	113	127	107
Miscellaneous precision metal workers	—	1	0	0	—	0	1	1	0	2
Precision woodworking occupations	104	126	128	114	130	115	120	125	132	128
Patternmakers and model makers, wood	1	4	2	1	3	5	7	5	5	3
Cabinet makers and bench carpenters	74	86	89	86	89	79	79	80	87	85
Furniture and wood finishers	27	35	33	25	37	30	33	39	40	39
Miscellaneous precision woodworkers	1	1	4	2	2	1	1	2	2	0
Precision textile, apparel, and furnishings machine workers	189	205	198	201	218	214	226	234	214	221
Dressmakers	81	93	79	65	67	89	97	93	82	97
Tailors	29	24	28	43	50	40	44	46	41	34
Upholsterers	58	65	66	69	71	60	59	72	61	64
Shoe repairers	12	14	16	11	16	15	17	15	16	18
Apparel and fabric patternmakers (through 1991)	—	—	—	—	—	—	—	—	—	—

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sheet metal duct installers	34	38	43	37	35	38	45	39	30	25
Structural metalworkers	45	53	61	63	48	58	68	68	56	63
Drillers, earth	20	14	17	13	16	18	16	17	12	14
Construction trades, n.e.c.	199	191	203	199	207	182	174	181	148	158
Extractive occupations	130	145	149	138	144	161	171	194	199	196
Supervisors, extractive occupations	46	42	38	39	44	44	51	53	55	56
Drillers, oil well	22	32	32	26	28	34	42	50	60	60
Explosives workers	6	8	9	6	8	9	6	8	9	7
Mining machine operators	31	32	40	37	36	36	34	41	39	37
Mining occupations, n.e.c.	24	31	30	30	28	38	40	42	36	36
Precision production occupations	3,799	3,809	3,927	3,988	3,968	3,951	3,936	3,926	3,909	3,685
Supervisors, production occupations	1,223	1,228	1,309	1,353	1,361	1,317	1,314	1,317	1,300	1,210
Precision metalworking occupations	825	909	913	911	896	891	924	914	918	892
Tool and die makers	129	142	151	148	145	144	154	143	135	148
Precision assemblers, metal	20	15	14	10	6	7	9	7	9	6
Machinists	457	498	491	479	497	483	488	502	514	471
Boilermakers	25	33	29	28	27	21	29	29	31	33
Precision grinders, fitters, and tool sharpeners	21	17	21	21	19	24	22	22	24	24
Patternmakers and model makers, metal	7	4	4	5	6	4	5	5	7	7
Lay-out workers	11	11	10	10	10	11	17	14	15	16
Precious stones and metals workers (jewelers)	46	49	48	52	45	49	48	41	40	44
Engravers, metal	8	16	19	15	14	19	13	21	16	14
Sheet metal workers	101	122	123	141	126	127	137	128	124	127
Miscellaneous precision metal workers	1	1	2	2	1	2	3	2	2	1
Precision woodworking occupations	110	95	97	95	106	102	103	110	106	86
Patternmakers and model makers, wood	2	3	2	5	5	5	5	7	9	5
Cabinet makers and bench carpenters	74	55	56	56	66	56	61	59	52	45
Furniture and wood finishers	33	36	38	33	34	40	35	42	43	36
Miscellaneous precision woodworkers	1	1	1	1	2	1	1	1	2	1
Precision textile, apparel, and furnishings machine workers	247	234	251	277	296	299	273	256	255	260
Dressmakers	108	109	112	117	126	121	117	105	110	111
Tailors	42	44	51	60	53	56	43	43	42	45
Upholsterers	71	61	66	71	84	87	79	82	71	67
Shoe repairers	18	14	14	22	26	25	24	20	26	31
Apparel and fabric patternmakers (through 1991)	—	2	2	2	3	1	1	1	1	0

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Miscellaneous precision apparel and fabric workers	9	9	8	13	14	9	9	9	14	8
Precision workers, assorted materials	449	532	570	554	552	544	511	540	550	514
Hand molders and shapers, except jewelers	20	23	21	25	19	18	14	15	15	17
Patternmakers, lay-out workers, and cutters	6	11	12	15	14	15	6	13	11	16
Optical goods workers	72	88	78	81	79	78	71	68	72	61
Dental laboratory and medical appliance technicians	66	50	48	53	54	69	48	65	61	52
Bookbinders	23	23	37	41	20	24	34	30	34	31
Electrical and electronic equipment assemblers	237	316	346	318	342	319	325	331	339	322
Miscellaneous precision workers, n.e.c.	24	23	27	22	25	21	13	18	19	15
Precision food production occupations	431	450	500	457	435	450	435	416	457	455
Butchers and meat cutters	229	237	276	260	234	258	242	238	266	279
Bakers	148	160	160	146	152	150	148	129	141	123
Food batchmakers	54	53	64	50	49	42	44	49	50	54
Precision inspectors, testers, and related workers	156	181	150	131	143	153	139	134	137	137
Inspectors, testers, and graders	149	173	138	123	137	145	131	124	129	128
Adjusters and calibrators	6	8	12	7	6	8	9	10	8	8
Plant and system operators	271	268	267	248	259	275	260	272	273	267
Water and sewage treatment plant operators	77	66	69	58	55	68	64	69	68	56
Power plant operators	43	38	35	36	34	38	31	36	43	48
Stationary engineers	114	117	120	113	130	130	128	124	124	124
Miscellaneous plant and system operators	37	47	43	41	40	39	37	43	37	38
Operators, fabricators, and laborers	17,697	18,065	18,636	18,167	18,256	18,399	18,197	18,068	17,876	17,341
Machine operators, assemblers, and inspectors	6,488	6,904	7,469	7,386	7,791	7,962	7,874	7,907	7,754	7,553
Machine operators and tenders, except precision	4,065	4,308	4,643	4,675	4,931	5,062	5,032	5,084	5,011	4,852
Metalworking and plastic working machine operators	286	325	352	376	409	365	390	378	430	385
Lathe and turning machine set-up operators	10	18	13	18	28	23	24	21	19	15
Lathe and turning machine operators	21	16	31	42	51	38	47	35	44	45
Milling and planing machine operators	6	5	5	5	5	6	10	11	8	9
Punching and stamping press machine operators	69	97	95	102	107	95	89	106	126	100
Rolling machine operators	7	16	14	12	10	13	8	15	17	9
Drilling and boring machine operators	8	13	18	12	17	15	18	15	18	22
Grinding, abrading, buffing, and polishing machine operators	91	99	98	114	128	117	125	118	136	126
Forging machine operators	10	14	12	13	14	13	20	15	15	14
Numerical control machine operators	37	28	26	21	20	16	16	12	10	8
Misc. metal, plastic, stone, and glass working machine operators	19	24	28	12	17	13	16	21	16	36
Fabricating machine operators, n.e.c.	18	22	24	26	19	18	19	21	22	25

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Miscellaneous precision apparel and fabric workers	8	5	6	4	5	8	9	5	5	6
Precision workers, assorted materials	533	521	536	565	529	536	535	541	571	452
Hand molders and shapers, except jewelers	9	15	25	24	18	18	15	13	15	15
Patternmakers, lay-out workers, and cutters	21	21	21	24	23	22	21	22	23	25
Optical goods workers	65	64	63	80	60	50	58	49	58	56
Dental laboratory and medical appliance technicians	52	53	63	51	49	60	55	51	51	50
Bookbinders	38	36	39	37	39	29	35	32	37	32
Electrical and electronic equipment assemblers	330	307	300	316	305	325	325	338	360	246
Miscellaneous precision workers, n.e.c.	18	25	25	33	34	32	27	36	27	27
Precision food production occupations	466	447	430	414	418	438	435	429	407	408
Butchers and meat cutters	296	283	268	266	258	271	285	286	264	276
Bakers	123	124	119	113	126	123	110	104	107	105
Food batchmakers	46	41	43	34	34	43	40	39	36	28
Precision inspectors, testers, and related workers	131	124	122	125	126	116	115	131	124	130
Inspectors, testers, and graders	123	115	113	113	113	103	108	124	112	121
Adjusters and calibrators	8	9	9	11	13	13	8	8	12	9
Plant and system operators	263	251	269	249	236	252	236	228	229	247
Water and sewage treatment plant operators	55	58	61	55	50	54	44	50	39	38
Power plant operators	42	45	44	47	41	46	42	39	49	52
Stationary engineers	119	103	116	109	103	108	110	104	106	119
Miscellaneous plant and system operators	47	44	47	38	43	45	40	34	34	38
Operators, fabricators, and laborers	17,247	17,456	18,071	18,022	17,814	17,486	17,160	16,816	16,864	16,091
Machine operators, assemblers, and inspectors	7,658	7,820	8,200	8,248	8,117	7,994	7,911	7,840	7,984	7,744
Machine operators and tenders, except precision	4,944	5,148	5,382	5,381	5,362	5,257	5,246	5,191	5,284	5,235
Metalworking and plastic working machine operators	403	434	443	470	465	472	485	470	503	499
Lathe and turning machine set-up operators	21	23	23	25	20	23	20	30	30	28
Lathe and turning machine operators	40	59	58	55	63	60	65	68	81	78
Milling and planing machine operators	8	10	14	14	15	11	14	15	15	15
Punching and stamping press machine operators	122	108	113	120	123	145	136	116	129	114
Rolling machine operators	11	12	13	15	15	12	14	10	15	20
Drilling and boring machine operators	24	24	23	32	28	29	32	34	33	33
Grinding, abrading, buffing, and polishing machine operators	126	132	130	143	141	144	148	141	144	151
Forging machine operators	12	16	20	20	17	13	16	16	20	17
Numerical control machine operators	7	12	7	3	2	1	3	2	3	2
Misc. metal, plastic, stone, and glass working machine operators	31	40	42	42	41	33	37	38	35	42
Fabricating machine operators, n.e.c.	18	26	23	21	28	31	27	22	28	27

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Metal and plastic processing machine operators	136	127	152	145	164	175	164	165	157	150
Molding and casting machine operators	86	73	86	96	106	120	110	104	91	94
Metal plating machine operators	22	19	27	28	26	26	22	25	30	25
Heat treating equipment operators	9	10	11	8	15	16	15	14	19	13
Misc. metal and plastic processing machine operators	19	24	28	12	17	13	16	21	16	18
Woodworking machine operators	114	112	137	143	149	127	127	126	134	137
Wood lathe, routing, and planing machine operators	8	8	11	14	11	11	4	6	6	7
Sawing machine operators	71	58	79	83	90	81	78	84	89	86
Shaping and joining machine operators	6	6	8	6	8	7	7	6	6	4
Nailing and tacking machine operators	2	0	2	4	3	3	4	1	2	3
Miscellaneous woodworking machine operators	27	39	37	36	37	25	35	29	30	37
Printing machine operators	353	343	374	355	395	393	407	431	436	405
Printing press operators	274	279	296	277	298	301	315	315	311	285
Photoengravers and lithographers	26	24	26	27	31	31	26	37	44	36
Typesetters and compositors	21	19	23	22	35	34	37	35	43	53
Miscellaneous printing machine operators	31	22	29	29	31	28	29	44	38	30
Textile, apparel, and furnishings machine operators	757	801	885	872	954	1,083	1,071	1,134	1,139	1,194
Winding and twisting machine operators	39	37	49	43	53	55	56	77	58	52
Knitting, looping, taping, and weaving machine operators	33	36	29	33	42	40	43	36	45	46
Textile cutting machine operators	9	5	3	6	3	10	7	7	5	5
Textile sewing machine operators	352	385	442	461	511	607	595	607	619	638
Shoe machine operators	7	9	7	8	14	21	16	21	22	19
Pressing machine operators	81	75	86	79	91	102	100	128	127	152
Laundering and dry cleaning machine operators	204	214	220	201	199	190	202	192	207	221
Miscellaneous textile machine operators	32	40	48	42	42	59	52	65	56	62
Machine operators, assorted materials	2,401	2,578	2,720	2,757	2,840	2,901	2,853	2,828	2,693	2,555
Cementing and gluing machine operators	22	26	36	20	41	29	34	33	30	24
Packaging and filling machine operators	268	304	358	366	401	387	393	388	390	353
Extruding and forming machine operators	32	32	34	32	34	36	34	42	31	28
Mixing and blending machine operators	113	102	113	128	124	118	108	104	122	115
Separating, filtering, and clarifying machine operators	66	55	62	52	55	65	57	53	64	54
Compressing and compacting machine operators	15	19	18	20	23	17	27	22	23	21
Painting and paint spraying machine operators	154	179	191	205	212	216	200	186	197	207
Roasting and baking machine operators, food	3	5	7	9	8	8	8	6	5	7
Washing, cleaning, and pickling machine operators	6	11	8	10	7	14	10	14	8	8
Folding machine operators	13	10	14	14	19	29	22	19	23	20
Furnace, kiln, and oven operators, except food	50	58	53	70	83	77	65	67	67	82

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Metal and plastic processing machine operators	155	159	172	160	170	157	162	162	161	172
Molding and casting machine operators	106	105	102	97	102	96	94	102	100	102
Metal plating machine operators	21	23	37	32	35	32	36	36	33	39
Heat treating equipment operators	11	15	18	20	21	20	22	15	15	18
Misc. metal and plastic processing machine operators	17	16	15	11	12	9	10	9	12	13
Woodworking machine operators	137	141	171	165	159	153	146	142	145	145
Wood lathe, routing, and planing machine operators	8	9	10	11	9	9	9	11	11	11
Sawing machine operators	81	89	111	96	105	100	91	92	93	95
Shaping and joining machine operators	7	5	6	9	8	5	5	3	7	7
Nailing and tacking machine operators	5	2	7	7	4	5	4	2	7	7
Miscellaneous woodworking machine operators	35	36	36	42	34	34	38	34	27	24
Printing machine operators	449	466	464	474	505	476	463	441	450	459
Printing press operators	319	324	313	324	339	321	305	291	301	306
Photoengravers and lithographers	35	39	44	47	55	43	40	38	41	41
Typesetters and compositors	55	70	65	66	67	76	79	73	73	76
Miscellaneous printing machine operators	39	33	41	37	44	35	39	39	36	35
Textile, apparel, and furnishings machine operators	1,235	1,265	1,322	1,356	1,355	1,334	1,323	1,336	1,401	1,414
Winding and twisting machine operators	71	77	82	77	76	80	82	81	96	97
Knitting, looping, taping, and weaving machine operators	46	51	50	52	48	49	53	54	47	43
Textile cutting machine operators	8	8	6	6	6	8	6	6	9	8
Textile sewing machine operators	699	696	731	757	749	755	737	760	802	806
Shoe machine operators	22	25	29	30	32	34	38	44	57	77
Pressing machine operators	127	132	136	134	146	138	136	142	133	141
Laundering and dry cleaning machine operators	197	202	206	220	222	195	190	176	179	164
Miscellaneous textile machine operators	64	74	82	79	76	75	81	75	78	80
Machine operators, assorted materials	2,542	2,658	2,787	2,736	2,680	2,634	2,639	2,618	2,597	2,517
Cementing and gluing machine operators	32	31	31	37	33	29	35	35	37	43
Packaging and filling machine operators	357	456	467	442	414	403	402	385	407	396
Extruding and forming machine operators	34	31	28	29	29	31	31	36	30	31
Mixing and blending machine operators	108	98	116	110	102	96	94	123	106	113
Separating, filtering, and clarifying machine operators	61	60	62	62	56	53	63	53	67	62
Compressing and compacting machine operators	29	22	23	25	26	20	21	21	23	26
Painting and paint spraying machine operators	186	193	196	186	200	185	190	207	189	185
Roasting and baking machine operators, food	4	7	6	5	5	5	7	6	5	5
Washing, cleaning, and pickling machine operators	14	12	12	12	11	6	10	19	8	12
Folding machine operators	17	19	21	24	19	24	24	24	29	24
Furnace, kiln, and oven operators, except food	71	96	104	96	102	95	109	105	109	108

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Crushing and grinding machine operators	33	40	40	35	35	42	38	60	49	40
Slicing and cutting machine operators	138	146	153	153	184	167	179	206	196	200
Motion picture projectionists	10	7	7	9	11	8	7	6	5	7
Photographic process machine operators	89	90	103	102	102	91	78	85	86	82
Miscellaneous machine operators, n.e.c.	992	1,092	1,134	1,130	1,100	1,178	1,178	1,118	1,053	997
Machine operators, not specified	396	402	389	400	402	418	415	419	344	311
Fabricators, assemblers, and hand working occupations	1,769	1,869	2,106	1,995	2,090	2,113	2,071	2,059	1,994	1,913
Welders and cutters	511	536	598	571	588	588	605	604	577	545
Solderers and brazers	15	22	34	21	16	27	24	21	32	27
Assemblers	1,108	1,159	1,327	1,246	1,319	1,338	1,271	1,255	1,202	1,151
Hand cutting and trimming occupations	8	11	11	10	10	9	11	9	9	13
Hand molding, casting, and forming occupations	16	18	21	16	27	22	28	30	16	20
Hand painting, coating, and decorating occupations	26	19	25	32	31	21	19	32	36	29
Hand engraving and printing occupations	9	13	14	12	16	14	19	17	16	19
Hand grinding and polishing occupations (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous hand working occupations	76	90	76	87	85	94	94	92	105	109
Production inspectors, testers, samplers, and weighers	654	727	719	716	770	787	771	764	749	788
Production inspectors, checkers, and examiners	472	522	509	506	522	545	538	541	520	567
Production testers	54	67	65	57	56	67	57	60	58	52
Production samplers and weighers	5	3	8	4	7	2	7	6	8	9
Graders and sorters, except agricultural	124	135	137	149	185	173	169	157	162	160
Transportation and material moving occupations	5,814	5,737	5,628	5,516	5,363	5,389	5,302	5,171	5,136	5,035
Motor vehicle operators	4,482	4,433	4,277	4,202	4,069	4,089	4,025	3,904	3,882	3,850
Supervisors, motor vehicle operators	97	89	78	86	88	95	85	87	94	84
Truck drivers (1992 forward)	3,234	3,210	3,127	3,116	3,012	3,075	3,019	2,861	2,815	2,804
Truck drivers, heavy (through 1991)	—	—	—	—	—	—	—	—	—	—
Truck drivers, light (through 1991)	—	—	—	—	—	—	—	—	—	—
Driver-sales workers	153	171	167	160	159	150	156	158	164	178
Bus drivers	605	578	547	490	471	472	512	526	511	506
Taxicab drivers and chauffeurs	332	318	288	271	273	248	203	213	241	230
Parking lot attendants	53	59	61	68	62	46	46	50	49	41
Motor transportation occupations, n.e.c.	9	7	10	11	3	4	4	8	8	7
Transportation occupations, except motor vehicle	169	175	183	163	167	174	184	170	176	169
Rail transportation occupations	111	117	127	106	104	123	115	105	108	107
Railroad conductors and yardmasters	47	44	49	45	50	48	45	33	38	38

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Crushing and grinding machine operators	40	40	49	58	46	48	55	46	57	47
Slicing and cutting machine operators	198	191	201	219	215	218	231	199	183	195
Motion picture projectionists	12	8	5	5	7	8	10	12	9	10
Photographic process machine operators	89	89	94	91	98	100	91	97	87	93
Miscellaneous machine operators, n.e.c.	943	950	1,000	992	980	985	917	913	935	870
Machine operators, not specified	348	354	375	344	336	329	349	337	316	297
Fabricators, assemblers, and hand working occupations	1,933	1,896	1,978	2,011	1,906	1,877	1,849	1,833	1,823	1,715
Welders and cutters	577	554	599	612	555	558	571	587	570	543
Solderers and brazers	33	33	40	44	50	35	35	40	38	38
Assemblers	1,136	1,139	1,148	1,177	1,141	1,105	1,089	1,047	1,052	953
Hand cutting and trimming occupations	13	13	12	15	19	17	14	20	15	22
Hand molding, casting, and forming occupations	28	23	24	23	25	21	19	22	18	22
Hand painting, coating, and decorating occupations	27	29	37	36	41	42	41	34	46	44
Hand engraving and printing occupations	19	24	24	24	13	20	17	19	22	15
Hand grinding and polishing occupations (through 1991)	—	3	7	4	4	5	2	4	5	6
Miscellaneous hand working occupations	101	79	87	76	57	76	60	61	56	73
Production inspectors, testers, samplers, and weighers	784	776	840	856	849	861	817	815	877	794
Production inspectors, checkers, and examiners	589	607	670	688	683	694	658	642	695	624
Production testers	49	58	54	60	63	60	53	57	64	58
Production samplers and weighers	9	10	7	7	7	11	9	11	11	10
Graders and sorters, except agricultural	137	101	108	102	96	96	96	106	106	103
Transportation and material moving occupations	4,908	4,913	4,886	4,886	4,831	4,712	4,564	4,535	4,467	4,201
Motor vehicle operators	3,728	3,705	3,618	3,602	3,592	3,489	3,380	3,303	3,213	2,978
Supervisors, motor vehicle operators	87	80	76	79	64	66	61	51	30	28
Truck drivers (1992 forward)	2,712	—	—	—	—	—	—	—	—	—
Truck drivers, heavy (through 1991)	—	1,980	1,871	1,850	1,826	1,822	1,805	1,838	1,876	1,771
Truck drivers, light (through 1991)	—	704	756	766	782	721	647	576	497	424
Driver-sales workers	184	215	201	192	201	226	215	214	216	200
Bus drivers	477	469	443	440	450	419	415	394	398	365
Taxicab drivers and chauffeurs	217	197	213	220	218	194	187	183	154	148
Parking lot attendants	44	53	53	45	45	35	47	45	39	40
Motor transportation occupations, n.e.c.	5	6	5	9	8	7	3	2	2	2
Transportation occupations, except motor vehicle	161	177	171	177	195	194	203	208	206	212
Rail transportation occupations	108	116	118	129	137	136	143	148	153	154
Railroad conductors and yardmasters	39	38	36	38	42	44	38	36	34	31

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Locomotive operating occupations	54	63	63	45	41	53	49	51	47	45
Railroad brake, signal, and switch operators	7	7	11	9	7	14	15	17	19	21
Rail vehicle operators, n.e.c.	3	2	4	7	6	6	7	3	4	4
Water transportation occupations	58	58	56	57	63	52	69	65	68	62
Ship captains and mates, except fishing boats	31	33	38	31	22	24	32	33	30	26
Sailors and deckhands	20	20	13	16	30	21	25	26	27	24
Marine engineers	4	4	2	5	3	2	8	3	6	3
Bridge, lock, and lighthouse tenders	3	1	2	5	8	5	5	4	5	8
Material moving equipment operators	1,163	1,129	1,168	1,152	1,127	1,125	1,093	1,098	1,078	1,016
Supervisors, material moving equipment operators	9	12	10	14	16	11	11	14	14	12
Operating engineers	265	250	256	236	245	236	245	246	237	194
Longshore equipment operators	5	5	5	6	1	3	3	5	6	3
Hoist and winch operators	20	16	13	20	14	24	19	20	19	17
Crane and tower operators	72	68	70	74	67	85	81	63	66	85
Excavating and loading machine operators	106	97	98	105	104	101	92	96	95	111
Grader, dozer, and scraper operators	52	59	52	73	75	68	59	74	88	84
Industrial truck and tractor equipment operators	563	554	579	544	534	526	512	500	483	438
Miscellaneous material moving equipment operators	71	68	83	80	71	73	70	80	71	72
Handlers, equipment cleaners, helpers, and laborers	5,395	5,423	5,540	5,265	5,102	5,048	5,021	4,990	4,986	4,753
Supervisors, handlers, equipment cleaners, and laborers	12	17	14	12	21	15	11	14	13	14
Helpers, mechanics and repairers	26	28	34	22	29	32	37	29	34	35
Helpers, construction and extractive occupations	123	122	124	112	126	123	115	115	113	121
Helpers, construction trades	114	111	115	100	122	115	106	110	106	111
Helpers, surveyor	4	9	8	9	4	6	7	3	5	8
Helpers, extractive occupations	5	2	1	2	0	1	2	2	2	2
Construction laborers	1,089	1,059	1,047	920	821	811	809	780	740	677
Production helpers	54	58	77	66	54	60	49	63	67	48
Freight, stock, and material handlers	1,949	2,030	2,035	2,060	1,988	1,930	1,929	1,925	2,024	1,902
Garbage collectors	47	56	55	55	44	44	43	48	50	55
Stevedores	15	15	14	23	26	23	17	14	14	15
Stock handlers and baggers	1,105	1,139	1,134	1,172	1,183	1,105	1,106	1,060	1,135	1,084
Machine feeders and offbearers	62	84	83	91	77	76	70	74	83	74
Freight, stock, and material handlers, n.e.c.	721	736	749	720	658	682	694	729	742	669
Garage and service station related occupations	171	176	186	195	180	198	169	178	184	203
Vehicle washers and equipment cleaners	306	315	321	280	297	280	288	284	276	267

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Locomotive operating occupations	44	44	46	49	51	53	59	59	62	64
Railroad brake, signal, and switch operators	20	27	28	33	38	34	42	46	49	50
Rail vehicle operators, n.e.c.	5	6	8	9	6	6	5	7	7	9
Water transportation occupations	53	61	52	47	58	58	59	60	53	58
Ship captains and mates, except fishing boats	26	32	27	27	33	32	31	33	28	36
Sailors and deckhands	16	18	18	14	18	17	18	18	16	18
Marine engineers	5	4	2	1	2	3	2	1	1	0
Bridge, lock, and lighthouse tenders	7	7	6	5	5	7	9	8	8	4
Material moving equipment operators	1,017	1,031	1,097	1,107	1,043	1,029	981	1,024	1,049	1,011
Supervisors, material moving equipment operators	13	15	18	13	14	13	16	13	8	13
Operating engineers	192	212	224	220	210	184	160	157	145	145
Longshore equipment operators	2	2	1	2	1	1	2	2	1	2
Hoist and winch operators	18	23	20	18	21	25	30	30	25	30
Crane and tower operators	77	80	92	99	88	81	85	91	96	93
Excavating and loading machine operators	116	97	107	128	108	115	101	113	90	98
Grader, dozer, and scraper operators	89	86	101	98	92	92	105	102	117	112
Industrial truck and tractor equipment operators	430	444	454	452	431	428	386	398	398	369
Miscellaneous material moving equipment operators	80	73	80	79	78	90	96	117	168	148
Handlers, equipment cleaners, helpers, and laborers	4,682	4,723	4,985	4,888	4,866	4,779	4,685	4,441	4,413	4,147
Supervisors, handlers, equipment cleaners, and laborers	13	13	12	12	12	14	12	10	11	8
Helpers, mechanics and repairers	33	36	31	37	34	33	36	33	32	36
Helpers, construction and extractive occupations	125	128	143	133	156	170	177	165	185	167
Helpers, construction trades	115	119	132	123	141	156	161	149	170	153
Helpers, surveyor	7	4	8	8	12	11	13	13	10	10
Helpers, extractive occupations	2	5	3	2	3	3	4	3	5	4
Construction laborers	674	719	798	755	799	766	743	686	668	595
Production helpers	54	71	84	82	64	71	74	81	71	75
Freight, stock, and material handlers	1,789	1,735	1,765	1,743	1,756	1,696	1,713	1,594	1,564	1,488
Garbage collectors	49	44	51	50	44	60	63	62	47	63
Stevedores	18	18	19	19	23	15	22	19	22	27
Stock handlers and baggers	947	935	947	900	891	873	878	818	863	815
Machine feeders and offbearers	91	84	89	91	110	94	94	93	86	88
Freight, stock, and material handlers, n.e.c.	680	654	660	684	688	654	657	602	546	496
Garage and service station related occupations	202	213	226	230	246	257	286	283	267	293
Vehicle washers and equipment cleaners	254	230	250	281	253	214	213	218	206	175

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Hand packers and packagers	397	362	377	313	290	276	279	265	296	329
Laborers, except construction	1,267	1,258	1,326	1,286	1,298	1,323	1,334	1,337	1,240	1,157
Farming, forestry, and fishing occupations	3,480	3,335	3,480	3,426	3,502	3,503	3,566	3,642	3,629	3,379
Farm operators and managers	1,168	1,136	1,140	1,134	1,187	1,317	1,314	1,446	1,453	1,156
Farmers (through 1993)	—	—	—	—	—	—	—	—	—	1,019
Farmers, except horticultural (1994 forward)	898	864	891	900	935	1,071	1,112	1,223	1,271	—
Horticultural specialty farmers (1994 forward)	76	73	71	65	69	56	49	53	60	—
Farm managers (through 1993)	—	—	—	—	—	—	—	—	—	137
Farm managers, except horticultural (1994 forward)	169	175	151	146	170	174	139	161	110	—
Managers, horticultural specialty farms (1994 forward)	25	25	27	23	13	16	14	9	11	—
Other agricultural and related occupations	2,181	2,063	2,179	2,135	2,171	2,030	2,096	2,010	1,993	2,028
Farm occupations, except managerial	779	759	876	845	903	860	898	862	821	905
Supervisors, farm workers	36	39	46	53	40	35	38	39	47	38
Farm workers	716	696	794	757	835	796	840	797	748	831
Marine life cultivation workers	0	0	1	3	3	1	0	1	2	2
Nursery workers	27	23	35	32	25	28	20	25	24	34
Related agricultural occupations	1,403	1,305	1,302	1,289	1,268	1,170	1,198	1,148	1,172	1,123
Supervisors, related agricultural occupations	188	184	176	164	142	120	126	124	125	71
Groundskeepers and gardeners, except farm	973	908	900	943	924	856	875	832	864	890
Animal caretakers, except farm	170	155	148	120	130	129	133	122	118	108
Graders and sorters, agricultural products	68	53	70	58	69	61	63	68	61	51
Inspectors, agricultural products	4	4	9	4	3	3	1	2	3	3
Forestry and logging occupations	85	90	110	107	91	108	108	129	132	134
Supervisors, forestry and logging occupations	19	17	20	22	17	15	16	13	20	17
Forestry workers, except logging	12	20	23	20	14	14	17	18	26	24
Timber cutting and logging occupations	54	53	66	66	60	79	75	97	86	94
Fishers, hunters, and trappers	46	46	52	50	53	49	49	58	52	61
Captains and other officers, fishing vessels	8	8	7	6	12	7	10	11	9	8
Fishers	37	37	44	42	39	40	37	45	42	51
Hunters and trappers	2	1	2	2	2	2	1	2	1	2

NOTE: Dashes indicate data are not available.

Data for 2000-2002 were revised to incorporate population controls from Census 2000.

n.e.c. = not elsewhere classified

SOURCE: Current Population Survey, Bureau of Labor Statistics

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

TOTAL, BOTH SEXES Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Hand packers and packagers	329	295	312	327	298	306	302	304	286	286
Laborers, except construction	1,204	1,284	1,364	1,288	1,248	1,251	1,128	1,066	1,123	1,024
Farming, forestry, and fishing occupations	3,510	3,506	3,450	3,421	3,437	3,507	3,444	3,470	3,600	3,700
Farm operators and managers	1,215	1,228	1,211	1,269	1,286	1,317	1,337	1,359	1,442	1,450
Farmers (through 1993)	1,085	1,097	1,060	1,118	1,154	1,173	1,207	1,244	1,347	1,369
Farmers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Horticultural specialty farmers (1994 forward)	—	—	—	—	—	—	—	—	—	—
Farm managers (through 1993)	131	131	151	150	133	144	130	115	95	81
Farm managers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Managers, horticultural specialty farms (1994 forward)	—	—	—	—	—	—	—	—	—	—
Other agricultural and related occupations	2,123	2,105	2,045	1,976	1,978	2,013	1,917	1,948	1,999	2,072
Farm occupations, except managerial	985	995	964	964	1,020	1,035	1,002	1,064	1,159	1,216
Supervisors, farm workers	42	38	38	38	35	30	29	35	46	45
Farm workers	898	913	883	893	949	968	940	993	1,087	1,149
Marine life cultivation workers	1	1	1	3	1	1	1	1	1	2
Nursery workers	43	44	41	30	34	36	31	34	24	21
Related agricultural occupations	1,137	1,109	1,081	1,012	958	978	915	885	840	855
Supervisors, related agricultural occupations	61	65	67	73	76	72	119	120	105	99
Groundskeepers and gardeners, except farm	937	923	883	816	765	803	704	662	647	645
Animal caretakers, except farm	95	105	108	104	101	90	75	83	76	97
Graders and sorters, agricultural products	41	16	23	16	13	13	15	17	12	14
Inspectors, agricultural products	3	1	1	2	3	1	3	2	1	1
Forestry and logging occupations	111	114	131	118	117	104	112	101	105	126
Supervisors, forestry and logging occupations	12	10	8	7	8	8	8	5	8	8
Forestry workers, except logging	20	24	24	29	24	24	27	19	13	21
Timber cutting and logging occupations	79	81	98	82	84	72	78	77	84	96
Fishers, hunters, and trappers	61	59	64	59	56	73	77	61	54	53
Captains and other officers, fishing vessels	8	8	9	9	8	9	12	8	6	7
Fishers	51	51	53	48	46	62	63	51	46	43
Hunters and trappers	1	1	1	2	2	2	2	2	2	2

NOTE: Dashes indicate data are not available.

Data for 2000-2002 were revised to incorporate population control
n.e.c. = not elsewhere classified

SOURCE: Current Population Survey, Bureau of Labor Statistics