

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Total, 16 years and over	46.6	46.5	46.5	46.5	46.2	46.2	46.2	46.1	46.0	45.7
Managerial and professional specialty occupations	50.5	50.0	49.8	49.5	49.0	48.9	48.6	48.0	48.1	47.8
Executive, administrative, and managerial occupations	45.9	46.1	45.3	45.1	44.4	44.3	43.8	42.7	43.0	42.0
Chief execs. and general administrators, public admin.	—	—	—	—	—	—	—	—	—	—
Officials and administrators, public administration	52.6	51.5	52.7	51.1	48.4	49.5	47.6	49.8	46.2	45.2
Administrators, protective service	25.9	25.8	27.0	27.5	25.0	22.4	30.9	33.3	27.5	17.3
Financial managers	50.4	52.4	50.1	51.0	53.3	49.3	53.9	50.4	49.2	46.2
Personnel and labor relations managers	66.2	68.0	62.1	60.2	66.0	63.0	51.6	58.4	62.2	60.4
Purchasing managers	43.6	41.7	41.1	47.8	39.7	41.2	45.5	41.5	36.9	34.9
Managers, marketing, advertising, and public relations	38.4	39.6	37.7	37.6	38.5	34.6	37.9	35.7	34.4	31.2
Administrators, education and related fields	64.5	64.3	67.0	62.5	62.2	61.3	56.9	58.8	62.1	59.9
Managers, medicine and health	78.4	77.5	78.0	77.4	79.2	76.9	75.3	79.8	79.6	70.3
Postmasters and mail superintendents	49.0	46.0	58.9	54.0	—	—	—	60.7	63.5	—
Managers, food serving and lodging establishments (1992 forward)	46.5	46.6	46.7	46.1	43.9	44.8	45.9	43.1	45.4	43.3
Managers, properties and real estate	50.0	48.9	51.0	49.4	52.2	49.3	47.9	49.8	50.5	45.7
Funeral directors	24.1	25.0	18.6	—	—	—	10.9	11.1	15.7	18.0
Managers, service organizations, n.e.c. (1992 forward)	53.3	57.6	51.8	53.6	53.6	52.2	53.4	51.4	49.1	48.4
Managers and administrators, n.e.c.	31.1	31.1	31.1	30.5	29.9	30.2	29.2	28.3	28.2	29.6
Management-related occupations	58.2	58.6	56.6	57.8	57.1	57.7	56.7	53.8	53.7	52.8
Accountants and auditors	59.3	58.7	56.7	58.6	58.2	56.7	56.0	52.1	51.9	49.4
Underwriters and other financial officers (through 1989)	—	—	—	—	—	—	—	—	—	—
Underwriters (1990 forward)	67.3	76.9	72.4	68.7	70.9	69.9	69.5	68.0	68.2	70.5
Other financial officers (1990 forward)	50.0	50.8	51.4	51.6	53.8	54.5	53.3	51.0	48.4	48.9
Management analysts	42.2	41.9	38.4	43.1	41.3	41.9	41.0	31.5	34.3	33.9
Personnel, training, and labor relations specialists	75.0	70.8	66.6	68.5	68.3	68.7	65.6	65.1	64.9	64.1
Purchasing agents and buyers, farm products	—	—	—	—	—	—	—	—	—	—
Buyers, wholesale and retail trade, except farm products	55.0	58.3	51.8	54.4	48.2	52.6	58.0	56.5	54.9	48.7
Purchasing agents and buyers, n.e.c.	55.3	53.4	54.3	53.9	50.8	55.6	55.8	53.3	47.8	48.8
Business and promotion agents	—	—	—	—	—	—	—	—	—	—
Construction inspectors	5.6	6.3	9.6	10.1	7.1	9.1	7.2	5.8	7.8	4.7
Inspectors and compliance officers, except construction	36.4	41.8	40.1	33.5	35.9	33.0	33.6	32.1	27.4	25.7
Management-related occupations, n.e.c.	85.5	87.2	87.1	89.4	88.4	86.9	85.2	85.9	86.6	87.0
Professional specialty occupations	54.7	53.7	53.9	53.5	53.3	53.3	53.3	52.9	52.7	53.1
Engineers, architects, and surveyors	11.6	11.4	11.1	11.0	11.6	10.2	9.2	9.4	8.9	9.4
Architects	20.3	23.5	23.4	15.5	17.7	17.8	16.9	19.6	17.0	18.9
Engineers	10.8	10.2	9.9	10.6	11.1	9.6	8.5	8.4	8.3	8.7

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(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Total, 16 years and over	45.6	45.4	45.2	45.2	45.0	44.8	44.4	44.1	43.7	43.7
Managerial and professional specialty occupations	47.3	46.3	45.8	45.2	44.7	44.3	43.4	42.7	41.6	40.9
Executive, administrative, and managerial occupations	41.5	40.6	40.1	39.8	39.3	37.9	36.8	35.6	33.6	32.4
Chief execs. and general administrators, public admin.	—	—	—	—	—	—	—	—	—	—
Officials and administrators, public administration	43.8	46.0	42.3	43.9	44.5	41.8	42.0	40.7	39.8	38.4
Administrators, protective service	—	19.6	20.0	14.8	17.9	—	—	—	—	14.8
Financial managers	46.2	44.7	44.2	42.8	42.4	43.7	38.4	35.8	36.7	38.7
Personnel and labor relations managers	59.2	57.1	55.4	52.3	49.2	53.5	48.2	44.5	46.8	44.3
Purchasing managers	33.0	33.6	32.1	25.5	24.2	28.0	29.0	24.2	22.1	23.2
Managers, marketing, advertising, and public relations	33.7	30.6	31.2	30.9	32.0	27.5	24.8	23.9	23.0	21.7
Administrators, education and related fields	56.7	55.0	54.5	53.3	48.9	48.4	47.8	48.1	43.8	41.4
Managers, medicine and health	65.5	64.6	66.7	67.6	61.3	59.7	62.2	59.4	61.5	57.1
Postmasters and mail superintendents	44.0	—	—	—	—	—	—	—	—	—
Managers, food serving and lodging establishments (1992 forward)	41.0	—	—	—	—	—	—	—	—	—
Managers, properties and real estate	45.4	46.0	45.2	43.5	44.8	43.8	44.2	40.9	41.3	43.0
Funeral directors	15.1	11.8	12.0	—	—	—	—	—	—	—
Managers, service organizations, n.e.c. (1992 forward)	48.5	—	—	—	—	—	—	—	—	—
Managers and administrators, n.e.c.	30.6	33.6	33.7	33.0	32.4	31.1	30.4	29.3	27.2	26.6
Management-related occupations	52.2	50.9	50.0	50.4	50.6	48.4	46.3	45.7	42.8	40.3
Accountants and auditors	51.3	51.7	50.8	48.6	49.6	45.7	44.9	44.1	40.9	38.6
Underwriters and other financial officers (through 1989)	—	—	—	50.5	50.6	49.3	47.2	48.0	47.7	41.6
Underwriters (1990 forward)	69.3	63.4	67.4	—	—	—	—	—	—	—
Other financial officers (1990 forward)	46.2	48.2	45.1	—	—	—	—	—	—	—
Management analysts	34.7	31.5	34.2	32.8	33.2	31.5	31.1	29.1	28.6	29.1
Personnel, training, and labor relations specialists	62.7	60.7	61.0	59.6	59.0	57.7	55.2	56.6	55.6	52.3
Purchasing agents and buyers, farm products	—	—	—	—	—	—	—	—	—	—
Buyers, wholesale and retail trade, except farm products	51.2	55.9	50.7	49.1	50.2	49.4	50.4	48.8	42.2	47.1
Purchasing agents and buyers, n.e.c.	45.3	47.5	43.4	43.4	42.7	48.7	39.8	39.2	37.9	35.9
Business and promotion agents	—	—	—	—	—	—	—	—	30.8	28.0
Construction inspectors	3.0	4.5	5.7	4.9	5.0	3.3	5.9	—	3.4	7.5
Inspectors and compliance officers, except construction	24.0	23.2	27.0	28.1	26.8	23.5	20.5	23.2	22.3	23.3
Management-related occupations, n.e.c.	86.6	81.0	83.9	84.5	83.9	81.8	80.6	73.8	70.4	66.1
Professional specialty occupations	52.5	51.6	51.1	50.4	49.8	50.1	49.4	49.1	48.5	48.1
Engineers, architects, and surveyors	9.0	8.8	8.7	8.5	7.8	7.3	6.2	7.0	6.4	6.1
Architects	15.3	17.3	18.3	20.4	14.7	12.6	9.8	11.5	11.2	12.6
Engineers	8.5	8.3	8.0	7.6	7.3	6.9	6.0	6.7	6.2	5.8

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(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Aerospace engineers	7.8	8.1	9.1	11.4	8.1	4.6	5.0	5.1	14.7	7.3
Metallurgical and materials engineers	—	—	—	—	—	—	—	—	—	—
Mining engineers	—	—	—	—	—	—	—	—	—	—
Petroleum engineers	—	—	—	—	—	—	—	—	—	—
Chemical engineers	16.9	12.0	10.6	15.9	15.9	17.4	14.7	11.3	7.1	10.3
Nuclear engineers	—	—	—	—	—	—	—	—	—	—
Civil engineers	10.9	10.5	9.6	9.4	12.2	7.7	7.0	7.4	8.3	9.5
Agricultural engineers	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineers	10.3	9.7	9.9	10.2	9.1	9.2	8.0	8.7	6.7	7.7
Industrial engineers	17.0	17.4	15.4	16.9	18.3	16.3	13.2	14.8	14.7	16.4
Mechanical engineers	7.0	6.2	6.4	7.1	6.9	6.0	6.9	4.5	5.3	5.4
Marine engineers and naval architects	—	—	—	—	—	—	—	—	—	—
Engineers, n.e.c.	10.3	10.9	10.8	11.2	13.8	10.5	7.5	9.0	10.2	9.2
Surveyors and mapping scientists	—	—	—	—	—	—	—	—	—	—
Mathematical and computer scientists	30.8	30.0	31.4	31.1	28.9	30.4	30.6	32.0	33.6	32.3
Computer systems analysts and scientists	27.8	27.2	29.2	28.5	26.9	28.6	28.1	29.5	31.3	29.8
Operations and systems researchers and analysts	48.7	47.2	45.2	46.5	42.0	40.8	42.6	39.2	41.4	39.6
Actuaries	—	—	—	—	—	—	—	—	—	—
Statisticians	—	—	—	—	—	—	—	—	—	—
Mathematical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Natural scientists	35.2	33.9	33.5	30.1	31.0	31.0	29.3	27.4	31.0	30.1
Physicists and astronomers	—	—	—	—	—	—	—	—	—	—
Chemists, except biochemists	30.0	30.3	29.9	27.2	33.1	25.7	28.9	32.1	36.8	28.4
Atmospheric and space scientists	—	—	—	—	—	—	—	—	—	—
Geologists and geodesists	—	—	—	5.4	11.1	18.6	—	15.0	14.0	14.8
Physical scientists, n.e.c.	—	—	30.9	33.3	—	—	—	—	—	—
Agricultural and food scientists	35.3	—	28.3	—	—	—	—	—	—	—
Biological and life scientists	43.7	44.9	45.7	44.0	38.5	44.3	38.8	31.8	36.7	40.9
Forestry and conservation scientists	—	—	—	—	—	—	—	—	—	—
Medical scientists	60.7	48.5	49.4	45.0	45.8	46.8	49.3	41.0	46.8	45.8
Health diagnosing occupations	29.3	28.7	27.2	24.1	26.3	25.2	25.5	22.9	21.5	20.6
Physicians	30.7	29.1	28.0	24.6	26.6	26.2	26.4	24.4	22.3	21.9
Dentists	19.4	19.5	18.7	16.8	20.0	17.4	13.9	13.5	13.5	10.6
Veterinarians	—	41.1	30.4	26.4	32.8	—	33.3	30.5	34.4	32.8
Optometrists	—	—	—	—	—	—	—	—	—	—
Podiatrists	—	—	—	—	—	—	—	—	—	—
Health diagnosing practitioners, n.e.c.	35.6	36.5	36.8	32.4	30.1	29.0	31.5	23.5	18.2	20.0

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(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Aerospace engineers	6.8	8.8	7.3	3.6	6.1	7.7	7.5	4.2	3.8	7.5
Metallurgical and materials engineers	—	—	—	—	—	—	—	—	—	—
Mining engineers	—	—	—	—	—	—	—	—	—	—
Petroleum engineers	—	—	—	—	—	—	—	—	—	—
Chemical engineers	5.6	9.9	11.4	14.9	12.3	11.1	8.5	9.4	8.9	6.0
Nuclear engineers	—	—	—	—	—	—	—	—	—	—
Civil engineers	7.8	5.8	5.1	5.6	6.0	4.3	2.6	4.5	6.3	3.8
Agricultural engineers	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineers	8.5	8.7	8.7	8.4	7.9	7.2	6.9	8.3	7.1	6.2
Industrial engineers	14.2	13.5	11.8	11.6	12.7	13.6	10.8	10.7	9.4	11.0
Mechanical engineers	5.3	4.8	5.4	4.8	3.7	4.3	3.5	3.7	4.9	2.7
Marine engineers and naval architects	—	—	—	—	—	—	—	—	—	—
Engineers, n.e.c.	10.8	10.3	8.8	8.0	7.0	5.9	5.2	6.5	4.7	4.7
Surveyors and mapping scientists	—	—	—	—	—	—	—	—	—	—
Mathematical and computer scientists	33.5	36.7	36.5	35.6	33.3	34.0	36.1	31.2	30.7	29.6
Computer systems analysts and scientists	29.5	33.6	34.5	32.5	29.4	32.2	34.5	28.1	30.0	27.9
Operations and systems researchers and analysts	45.3	43.3	41.3	41.0	39.5	37.6	39.5	34.8	31.4	31.0
Actuaries	—	—	—	—	—	—	—	—	—	—
Statisticians	—	—	—	—	—	—	—	—	—	—
Mathematical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Natural scientists	27.1	26.1	26.1	26.9	24.1	24.2	22.4	20.7	20.0	20.4
Physicists and astronomers	—	—	—	—	—	—	—	—	—	—
Chemists, except biochemists	29.8	29.7	27.0	27.9	23.2	21.7	22.8	20.7	23.8	23.5
Atmospheric and space scientists	—	—	—	—	—	—	—	—	—	—
Geologists and geodesists	11.8	10.7	15.4	15.4	12.0	—	—	15.5	13.8	18.5
Physical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Agricultural and food scientists	—	—	—	—	—	—	—	—	—	—
Biological and life scientists	34.4	37.4	40.0	33.8	40.0	38.0	38.5	32.8	30.0	40.0
Forestry and conservation scientists	—	—	—	—	—	—	—	—	—	—
Medical scientists	40.3	—	—	—	—	—	—	—	—	—
Health diagnosing occupations	18.3	18.0	17.8	16.5	18.2	16.5	15.0	14.8	13.4	13.3
Physicians	20.5	20.0	19.2	17.9	20.0	19.5	17.6	17.3	16.0	15.8
Dentists	8.7	10.1	9.4	8.8	9.2	8.8	4.5	6.9	5.8	6.3
Veterinarians	—	22.0	24.6	—	—	—	—	—	—	—
Optometrists	—	—	—	—	—	—	—	—	—	—
Podiatrists	—	—	—	—	—	—	—	—	—	—
Health diagnosing practitioners, n.e.c.	18.6	—	—	23.5	—	—	—	—	—	—

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WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Health assessment and treating occupations	86.4	86.0	85.7	85.7	85.2	86.5	85.7	85.8	86.2	86.3
Registered nurses	92.9	93.0	92.8	93.0	92.5	93.5	93.3	93.1	93.8	94.3
Pharmacists	51.9	47.7	46.7	49.1	43.9	46.0	42.4	36.5	38.5	38.3
Dietitians	89.2	86.1	89.8	83.7	86.7	88.1	90.5	93.6	91.9	92.6
Therapists	77.6	76.0	74.7	75.8	75.4	75.4	73.2	75.1	74.4	74.6
Respiratory (inhalation) therapists	58.8	60.7	62.8	61.1	61.2	58.8	58.3	59.6	58.2	58.7
Occupational therapists	89.7	93.7	92.7	85.9	83.1	80.3	85.9	90.4	88.0	—
Physical therapists	70.1	66.7	60.5	72.9	72.4	63.6	61.9	70.0	66.0	71.6
Speech therapists	94.9	92.0	93.1	92.9	92.4	95.1	93.8	92.3	94.6	91.5
Therapists, n.e.c.	79.4	74.2	75.8	69.3	71.1	79.4	73.7	71.3	73.8	73.8
Physicians' assistants	59.6	61.0	57.5	52.2	52.9	63.1	55.6	52.7	54.7	—
Teachers, postsecondary (college and university)	42.7	42.7	43.5	42.3	42.3	42.7	43.5	45.2	42.5	42.3
Earth, environmental, and marine science teachers	—	—	—	—	—	—	—	—	—	—
Biological science teachers	—	—	—	—	—	—	—	—	—	—
Chemistry teachers	—	—	—	—	—	—	—	—	—	—
Physics teachers	—	—	—	—	—	—	—	—	—	—
Natural science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Psychology teachers	—	—	—	—	—	—	—	—	—	—
Economics teachers	—	—	—	—	—	—	—	—	—	—
History teachers	—	—	—	—	—	—	—	—	—	—
Political science teachers	—	—	—	—	—	—	—	—	—	—
Sociology teachers	—	—	—	—	—	—	—	—	—	—
Social science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Engineering teachers	—	—	—	—	—	—	—	—	—	—
Mathematical science teachers	—	—	—	—	—	—	25.5	—	—	—
Computer science teachers	—	—	—	—	—	—	—	—	—	—
Medical science teachers	—	—	—	—	—	—	—	—	—	—
Health specialties teachers	—	—	—	—	—	—	—	—	—	—
Business, commerce, and marketing teachers	—	—	—	—	—	—	—	—	—	—
Agriculture and forestry teachers	—	—	—	—	—	—	—	—	—	—
Art, drama, and music teachers	—	—	—	—	—	—	—	—	—	—
Physical education teachers	—	—	—	—	—	—	—	—	—	—
Education teachers	—	—	—	—	—	—	—	—	—	—
English teachers	60.0	54.1	61.9	58.2	65.2	71.4	65.1	56.9	60.3	57.6
Foreign language teachers	—	—	—	—	—	—	—	—	—	—
Law teachers	—	—	—	—	—	—	—	—	—	—
Social work teachers	—	—	—	—	—	—	—	—	—	—

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WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Health assessment and treating occupations	86.7	86.1	86.1	84.8	84.9	86.3	85.3	85.6	86.5	85.7
Registered nurses	94.2	94.8	94.5	94.2	94.6	95.2	94.3	95.1	95.9	95.8
Pharmacists	37.9	36.9	37.4	32.2	32.1	31.4	31.5	29.7	28.4	26.6
Dietitians	88.9	94.3	95.2	90.4	86.5	90.5	93.2	93.8	95.7	91.5
Therapists	79.3	77.9	76.3	76.2	73.2	76.5	74.3	76.3	76.9	76.1
Respiratory (inhalation) therapists	67.5	63.2	60.3	52.4	53.8	63.3	60.3	64.3	68.7	69.6
Occupational therapists	—	—	—	—	—	—	—	—	—	—
Physical therapists	76.2	77.5	73.9	76.7	74.4	74.7	71.4	73.3	76.5	76.4
Speech therapists	92.3	87.5	87.3	88.9	89.4	91.8	91.8	94.8	90.2	90.2
Therapists, n.e.c.	75.7	75.8	73.2	71.2	61.4	—	—	—	—	—
Physicians' assistants	—	37.3	38.8	27.4	35.2	36.2	—	38.0	—	35.3
Teachers, postsecondary (college and university)	40.8	40.7	37.5	38.8	38.6	37.1	36.0	35.1	36.7	36.3
Earth, environmental, and marine science teachers	—	—	—	—	—	—	—	—	—	—
Biological science teachers	—	—	—	—	—	—	—	—	—	—
Chemistry teachers	—	—	—	—	—	—	—	—	—	—
Physics teachers	—	—	—	—	—	—	—	—	—	—
Natural science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Psychology teachers	—	—	—	—	—	—	—	—	—	—
Economics teachers	—	—	—	—	—	—	—	—	—	—
History teachers	—	—	—	—	—	—	—	—	—	—
Political science teachers	—	—	—	—	—	—	—	—	—	—
Sociology teachers	—	—	—	—	—	—	—	—	—	—
Social science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Engineering teachers	—	—	—	—	—	—	—	—	—	—
Mathematical science teachers	—	36.0	29.4	31.5	—	—	—	28.0	—	—
Computer science teachers	—	—	—	—	—	—	—	—	—	—
Medical science teachers	—	—	—	—	—	—	—	—	—	—
Health specialties teachers	—	—	—	—	—	—	—	—	—	—
Business, commerce, and marketing teachers	—	—	—	—	—	—	—	—	—	—
Agriculture and forestry teachers	—	—	—	—	—	—	—	—	—	—
Art, drama, and music teachers	—	—	—	—	—	—	—	—	—	—
Physical education teachers	—	—	—	—	—	—	—	—	—	—
Education teachers	—	—	—	—	—	—	—	—	—	—
English teachers	58.5	58.5	52.4	59.3	59.6	55.4	—	—	—	—
Foreign language teachers	—	—	—	—	—	—	—	—	—	—
Law teachers	—	—	—	—	—	—	—	—	—	—
Social work teachers	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Theology teachers	—	—	—	—	—	—	—	—	—	—
Trade and industrial teachers	—	—	—	—	—	—	—	—	—	—
Home economics teachers	—	—	—	—	—	—	—	—	—	—
Teachers, postsecondary, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary teachers, subject not specified	41.6	44.4	45.8	45.6	42.0	42.0	48.4	47.8	42.3	41.2
Teachers, except postsecondary (college and university)	75.1	75.0	75.4	74.9	75.3	75.7	74.4	74.7	74.9	75.1
Teachers, prekindergarten and kindergarten	97.7	98.0	98.4	98.5	97.8	97.7	98.2	98.2	98.0	97.6
Teachers, elementary school	83.0	82.5	83.4	83.8	84.0	83.9	83.3	84.1	85.6	85.8
Teachers, secondary school	58.1	58.8	58.0	57.5	56.9	58.4	55.9	57.0	55.6	57.5
Teachers, special education	85.6	85.6	82.5	84.3	81.9	82.8	84.7	84.2	83.8	83.8
Teachers, n.e.c.	59.8	59.8	62.6	60.7	63.0	62.4	61.5	61.9	62.8	61.1
Counselors, educational and vocational	74.1	68.7	69.7	68.4	68.7	66.1	69.8	68.6	67.9	67.6
Librarians, archivists, and curators	78.8	84.9	84.2	83.0	80.9	77.0	79.7	83.4	81.3	83.3
Librarians	81.6	85.3	85.1	83.5	83.2	80.3	82.8	83.6	84.2	88.1
Archivists and curators	—	—	—	—	—	—	—	—	—	—
Social scientists and urban planners	59.5	57.3	58.8	58.5	54.7	54.9	56.8	54.3	53.6	57.0
Economists	55.3	51.9	53.2	51.1	46.7	52.6	54.7	50.7	47.2	47.9
Psychologists	65.7	60.9	64.4	64.7	62.1	59.4	61.2	59.2	58.6	64.0
Sociologists	—	—	—	—	—	—	—	—	—	—
Social scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Urban planners	—	—	—	—	—	—	—	—	—	—
Social, recreation, and religious workers	57.3	56.7	56.5	56.4	55.1	54.8	53.8	52.6	51.4	50.7
Social workers	74.1	72.3	72.3	71.5	68.4	69.3	68.6	68.0	69.3	68.9
Recreation workers	74.4	73.8	70.6	66.4	75.0	71.4	73.6	74.5	70.5	75.6
Clergy	14.0	15.1	13.9	14.2	12.0	13.7	12.4	11.0	11.1	11.5
Religious workers, n.e.c.	60.2	59.0	60.8	66.7	67.2	64.4	65.4	62.7	66.7	61.1
Lawyers and judges	29.3	29.4	29.8	28.9	28.6	26.7	29.0	26.1	24.7	23.0
Lawyers	29.3	29.3	29.7	28.8	28.5	26.6	29.5	26.4	24.6	23.1
Judges	—	—	—	—	—	—	—	—	—	—
Writers, artists, entertainers, and athletes	49.8	50.0	50.1	49.8	51.4	49.3	49.4	49.4	47.8	46.5
Authors	54.7	57.9	55.1	55.4	54.6	53.3	54.4	54.2	53.6	57.2
Technical writers	61.8	59.8	63.4	60.6	57.5	50.8	39.7	54.7	58.3	52.4
Designers	56.4	56.4	57.2	56.2	57.9	58.5	57.5	57.6	55.3	52.4
Musicians and composers	36.6	36.5	34.2	35.5	39.9	36.8	34.3	37.3	31.7	32.8
Actors and directors	38.1	42.9	41.3	38.8	38.5	38.2	41.2	38.6	40.7	38.5
Painters, sculptors, craft artists, and artist printmakers	48.0	46.3	46.7	54.8	53.9	45.8	50.2	50.2	50.7	47.7
Photographers	33.1	38.9	32.2	34.3	38.3	28.8	28.4	27.2	28.4	25.9

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Theology teachers	—	—	—	—	—	—	—	—	—	—
Trade and industrial teachers	—	—	—	—	—	—	—	—	—	—
Home economics teachers	—	—	—	—	—	—	—	—	—	—
Teachers, postsecondary, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary teachers, subject not specified	43.3	42.2	41.7	42.7	42.2	40.6	38.4	37.1	37.5	36.1
Teachers, except postsecondary (college and university)	74.8	74.2	73.6	73.3	72.9	73.7	73.4	73.0	72.1	70.9
Teachers, prekindergarten and kindergarten	98.6	98.9	98.5	97.7	98.2	98.5	98.3	98.8	99.1	98.3
Teachers, elementary school	85.3	85.8	85.2	84.8	84.8	85.3	85.1	84.0	84.6	83.3
Teachers, secondary school	55.6	54.6	53.0	52.5	51.2	54.3	54.8	54.0	51.2	51.9
Teachers, special education	84.6	83.9	84.8	84.4	85.0	83.8	87.0	85.0	85.2	82.7
Teachers, n.e.c.	61.2	60.8	60.9	63.6	65.3	64.2	61.2	65.2	65.8	64.5
Counselors, educational and vocational	65.8	64.3	61.9	60.3	61.7	59.7	53.8	55.9	54.2	53.3
Librarians, archivists, and curators	83.5	81.0	81.0	83.5	82.2	81.7	83.0	84.7	83.9	84.5
Librarians	87.3	82.9	83.2	87.8	85.2	85.2	86.1	87.1	85.7	87.0
Archivists and curators	—	—	—	—	—	—	—	—	—	—
Social scientists and urban planners	53.9	53.2	51.5	48.7	47.5	48.7	45.8	42.7	46.8	46.7
Economists	43.4	45.7	43.9	41.8	35.3	40.7	39.6	34.3	39.1	37.8
Psychologists	62.2	60.3	58.4	53.8	56.1	54.4	52.7	50.7	54.7	57.0
Sociologists	—	—	—	—	—	—	—	—	—	—
Social scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Urban planners	—	—	—	—	—	—	—	—	—	—
Social, recreation, and religious workers	50.6	51.0	50.4	48.8	46.1	46.6	46.9	45.6	44.4	43.1
Social workers	68.8	67.8	68.0	68.1	65.9	65.5	65.0	66.7	64.0	64.4
Recreation workers	72.3	76.6	70.3	74.3	64.1	69.1	68.0	67.1	71.4	70.8
Clergy	8.3	9.5	9.7	7.7	8.9	7.1	7.0	5.9	6.2	5.5
Religious workers, n.e.c.	56.5	60.2	61.5	62.0	54.7	57.3	60.6	52.9	57.6	51.5
Lawyers and judges	21.4	19.0	20.9	22.4	19.4	19.7	18.2	18.2	16.2	15.8
Lawyers	21.6	19.1	20.7	22.3	19.2	19.6	18.0	18.1	16.1	15.2
Judges	—	—	—	—	—	—	—	—	—	—
Writers, artists, entertainers, and athletes	47.1	46.7	47.3	46.1	46.7	45.9	45.0	44.5	42.4	42.7
Authors	54.5	53.3	60.2	59.8	56.1	50.6	53.3	47.1	49.3	46.8
Technical writers	53.7	50.8	47.7	47.7	48.3	45.1	—	—	40.4	—
Designers	54.6	53.2	53.3	51.5	53.3	52.0	49.6	51.2	52.0	52.7
Musicians and composers	29.1	30.8	31.5	31.2	29.8	31.4	31.7	30.3	27.3	28.4
Actors and directors	40.6	33.3	36.1	34.4	37.0	36.4	38.4	37.7	30.9	30.0
Painters, sculptors, craft artists, and artist printmakers	50.0	55.3	50.9	50.7	51.2	53.9	50.8	50.0	47.6	47.3
Photographers	26.4	22.8	27.6	30.4	30.8	31.0	32.3	27.1	20.3	20.4

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Dancers	—	—	—	—	—	—	—	—	—	—
Artists, performers, and related workers, n.e.c.	52.9	54.6	51.8	48.8	56.9	54.2	51.3	53.9	46.2	52.2
Editors and reporters	48.6	52.4	55.9	49.7	51.1	51.4	55.7	53.1	48.7	48.7
Public relations specialists	68.2	58.8	61.2	61.1	66.5	65.5	62.0	57.7	62.7	60.0
Announcers	17.3	12.0	11.1	22.0	16.7	14.8	17.7	26.0	—	—
Athletes	26.3	27.2	20.0	28.2	24.2	27.2	30.6	25.3	22.2	23.5
Technical, sales, and administrative support occupations	63.4	63.7	63.8	63.8	64.2	64.1	64.2	64.4	64.3	63.8
Technicians and related support occupations	54.1	53.1	51.8	51.9	53.6	51.9	52.5	51.4	52.0	50.5
Health technologists and technicians	81.5	81.3	80.5	81.1	81.6	80.2	80.6	79.7	81.6	80.8
Clinical laboratory technologists and technicians	76.6	78.2	74.7	78.7	78.6	76.0	73.1	71.7	77.1	75.9
Dental hygienists	98.5	97.3	98.2	99.1	99.1	98.1	98.9	98.9	100.0	98.7
Health record technologists and technicians	—	—	—	—	—	—	—	—	—	89.1
Radiologic technicians	74.2	70.2	68.7	74.3	69.4	69.6	69.6	74.0	74.0	70.1
Licensed practical nurses	94.8	94.3	93.7	95.0	95.8	94.1	95.4	95.2	95.2	94.6
Health technologists and technicians, n.e.c.	75.9	76.3	76.0	74.0	75.1	72.6	74.5	72.8	73.3	71.9
Engineering and related technologists and technicians	20.8	21.0	20.5	19.0	20.8	18.5	19.9	17.8	19.5	17.8
Electrical and electronic technicians	19.2	18.5	17.2	14.4	16.9	14.3	12.7	11.1	15.2	15.4
Industrial engineering technicians	—	—	—	—	—	—	—	—	—	—
Mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—
Engineering technicians, n.e.c.	27.8	30.1	30.6	31.6	33.5	30.5	33.5	27.8	27.0	24.9
Drafting occupations	21.5	20.0	23.3	18.3	19.3	16.7	21.0	18.3	19.7	18.3
Surveying and mapping technicians	9.2	13.2	7.6	10.4	12.7	10.5	12.3	12.9	7.4	5.5
Science technicians	47.4	45.4	41.8	40.6	43.2	39.4	37.6	35.5	36.8	37.5
Biological technicians	59.5	62.2	59.6	64.2	68.5	57.5	58.2	50.0	52.8	59.3
Chemical technicians	32.8	26.1	21.1	29.1	21.3	22.4	26.9	21.4	26.0	25.7
Science technicians, n.e.c.	39.6	37.4	35.5	26.9	33.3	34.4	28.7	33.3	31.0	27.9
Technicians, except health, engineering, and science	41.9	41.4	40.6	41.5	42.8	42.2	42.7	39.9	40.0	39.9
Airplane pilots and navigators	3.9	2.9	3.9	2.8	3.5	0.8	1.8	3.5	2.9	4.0
Air traffic controllers	—	—	—	—	—	—	—	—	—	—
Broadcast equipment operators	—	16.0	—	—	—	—	—	—	—	—
Computer programmers	25.6	27.0	26.6	26.3	28.4	30.0	30.8	29.5	29.3	31.6
Tool programmers, numerical control	—	—	—	—	—	—	—	—	—	—
Legal assistants	82.3	83.3	84.6	83.9	81.9	83.8	83.1	80.0	79.8	79.3
Technicians, n.e.c.	48.2	51.0	39.0	43.8	47.1	42.6	43.9	42.0	42.4	37.8
Sales occupations	49.0	49.5	49.6	50.1	50.3	50.2	49.5	49.5	49.1	48.3
Supervisors and proprietors	39.6	41.1	40.2	41.0	40.1	38.4	37.5	38.9	37.5	36.4

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Dancers	—	—	—	—	—	—	—	—	—	—
Artists, performers, and related workers, n.e.c.	51.0	50.6	52.4	54.3	50.7	56.3	52.9	56.5	53.7	49.2
Editors and reporters	49.8	51.3	52.0	49.4	51.2	50.6	50.6	51.7	46.3	48.0
Public relations specialists	58.8	56.1	58.6	57.2	58.9	56.3	51.6	49.0	49.0	49.7
Announcers	16.7	21.3	18.9	13.7	15.4	13.6	20.0	25.5	21.8	—
Athletes	25.4	24.4	26.7	18.9	16.4	21.7	21.9	20.3	18.3	17.2
Technical, sales, and administrative support occupations	63.9	64.6	64.6	64.9	64.8	64.7	64.7	64.7	64.4	64.6
Technicians and related support occupations	48.9	49.2	49.0	48.3	47.9	48.5	47.0	47.2	48.1	48.2
Health technologists and technicians	81.4	82.6	83.3	82.4	82.6	84.2	84.1	83.3	83.4	84.3
Clinical laboratory technologists and technicians	77.3	75.5	75.8	74.4	76.1	78.8	76.5	75.6	75.4	76.1
Dental hygienists	100.0	98.8	98.9	100.0	97.4	97.3	100.0	100.0	100.0	98.5
Health record technologists and technicians	89.5	94.0	94.2	91.7	86.4	87.9	—	92.3	—	—
Radiologic technicians	74.0	74.3	76.2	75.8	75.9	70.9	67.3	73.6	67.3	71.3
Licensed practical nurses	94.7	95.0	96.4	95.9	96.0	96.8	97.6	97.0	96.2	97.1
Health technologists and technicians, n.e.c.	70.9	70.2	66.4	66.3	65.6	69.3	69.8	65.6	70.1	67.0
Engineering and related technologists and technicians	17.5	18.5	19.8	19.2	18.8	17.1	17.7	18.0	18.3	18.4
Electrical and electronic technicians	12.0	13.6	15.4	14.1	14.3	14.4	12.5	13.2	13.9	12.3
Industrial engineering technicians	—	—	—	—	—	—	—	—	—	—
Mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—
Engineering technicians, n.e.c.	25.9	28.7	32.1	26.3	31.3	26.6	25.8	28.8	31.0	28.1
Drafting occupations	19.1	17.3	18.9	20.6	16.2	15.9	19.4	17.5	15.4	17.6
Surveying and mapping technicians	8.2	10.3	5.3	11.4	12.8	6.2	10.0	9.4	11.7	—
Science technicians	36.0	29.6	31.7	29.5	31.0	31.4	27.9	33.2	35.5	29.2
Biological technicians	51.3	38.5	40.6	37.3	41.8	42.4	36.4	42.6	47.3	38.5
Chemical technicians	27.3	25.8	28.2	21.6	27.2	24.7	24.4	25.0	26.4	26.8
Science technicians, n.e.c.	31.0	28.1	28.1	31.0	27.5	29.2	27.0	35.7	35.6	25.0
Technicians, except health, engineering, and science	37.9	39.4	40.2	38.2	37.7	40.2	37.6	36.5	37.2	35.3
Airplane pilots and navigators	2.1	3.0	5.3	3.7	3.4	2.6	1.3	2.6	2.7	1.4
Air traffic controllers	—	—	—	—	—	—	—	—	—	—
Broadcast equipment operators	—	—	—	—	—	—	—	—	—	—
Computer programmers	33.1	33.9	36.0	35.3	32.1	36.6	34.1	34.3	35.3	32.5
Tool programmers, numerical control	—	—	—	—	—	—	—	—	—	—
Legal assistants	76.4	82.8	78.3	75.7	76.4	79.4	77.8	75.7	73.7	74.2
Technicians, n.e.c.	34.5	32.8	35.5	33.1	35.4	34.0	32.8	31.9	33.9	30.8
Sales occupations	48.0	48.9	49.3	49.3	48.9	48.0	48.2	48.1	47.9	47.5
Supervisors and proprietors	34.8	34.3	34.8	34.8	33.5	31.8	30.5	31.2	29.7	28.4

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sales representatives, finance and business services	44.8	44.6	44.5	43.9	43.7	44.0	42.9	42.1	40.0	40.6
Insurance sales occupations	44.9	47.6	42.2	44.1	41.6	42.8	40.5	37.2	35.1	33.3
Real estate sales occupations	55.1	52.5	54.5	53.3	53.0	49.9	49.3	50.7	48.4	51.4
Securities and financial services sales occupations	28.5	30.0	31.4	28.5	29.1	31.2	30.3	31.2	29.9	28.0
Advertising and related sales occupations	61.9	55.6	62.4	56.7	58.6	56.6	61.4	53.0	51.7	50.9
Sales occupations, other business services	41.3	41.9	42.8	42.0	41.3	42.8	41.3	41.0	38.4	39.2
Sales reps, commodities, except retail	25.1	23.8	27.5	26.7	25.9	24.9	25.1	21.2	23.2	21.0
Sales engineers (1992 forward)	—	—	—	—	—	—	—	—	—	—
Sales reps, mining, manufacturing, wholesale (1992 forward)	25.6	24.2	27.9	27.2	26.4	25.2	25.7	21.6	23.5	21.4
Sales workers, retail and personal services	62.7	63.2	63.6	64.0	65.4	65.7	65.3	65.6	66.1	64.8
Sales workers, motor vehicles and boats	11.2	10.0	11.1	10.6	11.0	10.5	9.2	8.9	6.3	7.9
Sales workers, apparel	77.7	78.0	77.1	77.9	80.3	79.9	80.5	82.7	80.8	79.4
Sales workers, shoes	52.6	54.3	56.1	53.5	65.4	61.0	62.7	60.3	67.3	59.0
Sales workers, furniture and home furnishings	50.8	45.8	50.8	51.9	49.3	47.0	46.0	45.3	49.7	44.8
Sales workers, radio, television, hi-fi, and appliances	27.2	27.6	27.0	27.2	25.7	30.3	27.2	26.9	25.0	27.3
Sales workers, hardware and building supplies	23.3	26.1	22.2	25.1	24.0	22.5	21.7	22.7	19.8	22.0
Sales workers, parts	8.5	12.1	9.1	9.8	10.9	8.9	11.4	8.7	9.0	7.0
Sales workers, other commodities	66.3	64.7	66.6	67.8	68.3	69.2	68.4	70.2	70.8	70.0
Sales counter clerks	59.6	64.2	68.3	63.1	67.8	68.7	67.3	65.7	65.6	64.0
Cashiers	76.7	76.9	77.5	77.0	78.2	78.4	78.1	79.2	79.8	78.2
Street and door-to-door sales workers	72.8	74.6	75.8	73.7	76.2	74.9	75.3	73.5	74.3	69.5
News vendors	36.9	51.6	45.0	45.5	37.0	44.0	45.5	36.1	39.2	34.1
Sales-related occupations	71.0	68.4	69.4	67.4	72.3	73.6	75.9	75.8	67.7	61.3
Demonstrators, promoters, and models, sales	72.7	77.8	73.6	69.7	78.9	80.0	77.0	82.2	82.5	72.4
Auctioneers	—	—	—	—	—	—	—	—	—	—
Sales support occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Administrative support occupations, including clerical	78.5	78.7	78.9	78.7	78.6	78.8	79.1	79.5	78.9	78.6
Supervisors, administrative support occupations	60.5	66.3	60.3	57.5	60.0	59.9	60.3	60.0	59.8	58.2
Supervisors, general office	69.4	72.4	71.3	67.5	69.0	67.9	67.5	66.4	66.5	65.9
Supervisors, computer equipment operators	—	—	—	—	—	—	—	—	—	—
Supervisors, financial records processing	81.3	88.8	81.1	81.7	81.8	79.6	85.7	77.9	80.4	72.2
Chief communications operators	—	—	—	—	—	—	—	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	31.4	40.0	33.6	33.3	33.9	32.4	35.8	34.8	32.3	30.5
Computer equipment operators	47.1	53.0	48.3	57.0	54.7	58.4	60.4	60.5	60.7	61.6
Computer operators	46.8	53.4	48.3	57.4	54.7	58.4	60.3	60.6	60.6	61.6
Peripheral equipment operators	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sales representatives, finance and business services	40.0	42.1	42.9	43.5	41.2	40.1	41.5	41.0	38.4	37.2
Insurance sales occupations	31.7	31.1	32.7	29.3	29.7	27.4	28.6	27.7	25.4	25.0
Real estate sales occupations	50.3	51.3	51.0	51.0	48.5	48.7	50.6	51.6	48.2	48.9
Securities and financial services sales occupations	29.7	28.9	23.4	29.1	27.6	24.8	24.4	24.4	24.1	23.6
Advertising and related sales occupations	49.7	53.2	51.3	53.8	47.6	49.3	50.4	51.4	47.3	48.4
Sales occupations, other business services	37.9	46.3	50.3	50.9	47.4	47.2	49.1	47.2	45.5	40.9
Sales reps, commodities, except retail	21.9	22.5	22.0	20.4	19.2	17.1	18.3	17.5	16.7	15.0
Sales engineers (1992 forward)	—	—	—	—	—	—	—	—	—	—
Sales reps, mining, manufacturing, wholesale (1992 forward)	22.2	—	—	—	—	—	—	—	—	—
Sales workers, retail and personal services	65.4	66.6	67.2	67.8	68.6	68.5	68.6	68.5	69.0	69.7
Sales workers, motor vehicles and boats	7.0	6.2	8.9	6.7	8.2	9.2	7.1	7.6	8.9	6.5
Sales workers, apparel	82.2	79.8	82.1	83.7	83.1	83.3	82.8	82.6	83.0	83.1
Sales workers, shoes	59.6	62.9	59.3	63.6	59.8	65.0	60.2	58.3	63.5	65.0
Sales workers, furniture and home furnishings	41.3	45.2	48.4	48.0	49.4	49.1	47.1	50.9	49.4	50.0
Sales workers, radio, television, hi-fi, and appliances	25.0	30.1	28.4	29.6	36.1	33.2	30.2	28.2	26.2	30.6
Sales workers, hardware and building supplies	20.8	18.6	20.9	24.3	21.2	23.4	26.5	22.7	23.0	22.8
Sales workers, parts	7.7	10.5	8.9	8.1	8.9	8.3	9.9	12.4	9.6	10.7
Sales workers, other commodities	69.6	70.9	72.1	71.7	73.6	73.1	75.2	74.6	74.7	74.1
Sales counter clerks	65.3	69.7	68.7	71.1	74.1	73.6	72.6	72.1	71.0	70.0
Cashiers	78.9	80.5	80.9	81.8	82.2	83.0	82.9	83.1	83.8	84.4
Street and door-to-door sales workers	71.3	68.7	72.3	75.9	79.2	78.9	74.7	76.0	78.3	81.0
News vendors	32.0	37.1	39.7	40.6	38.0	32.0	32.5	31.0	28.3	27.3
Sales-related occupations	65.2	67.6	63.9	75.0	71.2	68.3	64.6	63.5	63.0	59.3
Demonstrators, promoters, and models, sales	78.2	—	—	—	—	—	—	—	—	—
Auctioneers	—	—	—	—	—	—	—	—	—	—
Sales support occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Administrative support occupations, including clerical	79.2	79.8	79.6	80.0	80.1	80.1	80.4	80.2	79.9	79.9
Supervisors, administrative support occupations	56.6	58.3	58.0	58.2	58.0	56.8	59.3	53.4	52.9	53.4
Supervisors, general office	63.8	66.8	66.3	65.9	67.7	66.3	68.0	64.1	64.8	65.7
Supervisors, computer equipment operators	—	—	—	—	—	—	—	—	—	—
Supervisors, financial records processing	73.6	70.1	74.2	70.7	70.3	73.4	73.4	69.0	66.7	62.4
Chief communications operators	—	—	—	—	—	—	—	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	30.9	32.2	31.5	34.9	29.7	27.7	30.9	20.5	22.1	22.4
Computer equipment operators	63.4	66.2	65.6	64.3	66.1	66.0	68.6	66.5	64.6	64.0
Computer operators	63.3	66.1	65.6	64.3	66.0	66.0	68.6	66.5	64.8	63.7
Peripheral equipment operators	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Secretaries, stenographers, and typists	97.6	97.8	98.0	97.9	97.7	97.9	97.8	97.8	98.0	98.2
Secretaries	98.7	98.6	98.9	98.6	98.4	98.5	98.6	98.5	98.9	98.9
Stenographers	95.2	94.9	94.9	92.5	93.4	95.2	90.8	95.5	95.2	93.6
Typists	93.9	95.1	94.6	95.5	94.3	94.4	94.8	94.2	94.1	94.0
Information clerks	89.0	87.7	87.9	88.3	89.0	88.5	88.9	88.0	88.4	88.7
Interviewers	82.2	80.8	78.5	84.8	81.3	83.3	86.9	82.5	81.6	80.0
Hotel clerks	70.2	74.4	76.3	76.0	79.4	72.0	75.2	74.7	68.2	74.3
Transportation ticket and reservation agents	72.6	69.1	71.8	74.1	76.9	75.1	73.0	70.3	72.7	73.1
Receptionists	97.0	96.7	96.7	95.4	95.4	96.5	96.9	96.5	96.5	97.1
Information clerks, n.e.c.	86.2	83.7	86.0	85.1	86.8	84.9	86.2	87.4	87.3	85.4
Records processing occupations, except financial	80.5	80.6	81.4	77.8	79.2	80.5	77.8	79.4	78.4	78.8
Classified-ad clerks	—	—	—	—	—	—	—	—	—	—
Correspondence clerks	—	—	—	—	—	—	—	—	—	—
Order clerks	74.7	74.8	76.9	72.6	75.2	74.0	73.6	74.1	75.2	77.9
Personnel clerks, except payroll and timekeeping	80.0	87.5	82.1	82.9	86.5	85.5	83.3	86.7	86.4	89.1
Library clerks	79.2	81.7	87.4	74.8	75.7	76.8	74.5	81.1	78.2	75.0
File clerks	81.3	81.4	80.4	79.1	80.2	84.7	77.7	80.1	78.9	79.1
Records clerks	87.4	85.3	86.0	82.2	82.4	82.9	85.3	80.2	77.9	77.7
Financial records processing occupations	91.8	91.6	91.8	90.9	92.1	92.2	91.2	92.4	91.4	89.7
Bookkeepers, accounting, and auditing clerks	92.7	92.7	92.1	91.4	92.9	92.3	91.9	92.8	91.9	90.7
Payroll and timekeeping clerks	90.9	92.9	91.5	88.4	89.7	92.9	90.4	90.7	91.6	88.4
Billing clerks	89.5	87.6	92.5	92.2	87.0	93.8	88.8	90.3	90.4	88.2
Cost and rate clerks	80.4	69.8	—	83.3	82.7	—	78.9	88.5	—	73.3
Billing, posting, and calculating machine operators	89.9	90.0	91.2	88.6	94.3	91.8	90.4	92.3	90.0	86.3
Duplicating, mail, and other office machine operators	55.2	51.7	53.6	57.1	55.6	59.7	64.0	58.3	41.4	47.7
Duplicating machine operators	—	—	—	—	—	—	—	—	—	—
Mail preparing and paper handling machine operators	—	—	—	—	—	—	—	—	—	—
Office machine operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Communications equipment operators	84.1	82.6	84.0	81.6	81.7	81.1	88.7	87.6	86.6	85.8
Telephone operators	85.7	84.2	84.2	83.8	85.5	83.2	90.2	88.6	88.5	86.5
Telegraphers (through 1991)	—	—	—	—	—	—	—	—	—	—
Communications equipment operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Mail and message distributing operators	39.7	40.0	41.0	42.1	38.0	38.0	37.2	39.8	38.9	37.5
Postal clerks, except mail carriers	49.6	50.0	54.4	50.8	47.0	45.3	46.8	45.2	44.4	44.8
Mail carriers, postal service	29.9	28.8	30.4	31.9	29.7	30.9	28.3	32.0	34.2	28.1
Mail clerks, except postal service	52.7	55.5	53.9	60.3	49.4	51.4	49.5	54.5	50.6	51.5
Messengers	28.5	30.3	24.2	23.2	23.2	23.0	24.0	29.5	25.9	28.6

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Secretaries, stenographers, and typists	98.3	98.4	98.3	98.3	98.2	98.1	98.2	97.7	97.7	98.3
Secretaries	99.0	99.0	99.0	99.2	99.1	99.1	99.0	98.4	98.3	99.0
Stenographers	93.1	—	84.5	—	—	85.2	—	85.5	86.2	86.2
Typists	94.8	95.0	95.2	95.1	94.6	94.5	95.2	95.7	95.6	95.6
Information clerks	88.6	89.4	88.1	89.7	88.4	90.0	89.7	90.1	89.0	88.8
Interviewers	77.6	83.9	81.1	84.2	85.9	87.3	85.7	84.3	86.2	88.0
Hotel clerks	74.3	71.8	70.2	73.0	64.1	72.2	72.7	73.2	71.6	68.8
Transportation ticket and reservation agents	74.1	59.7	60.2	66.1	58.8	64.0	68.4	67.0	59.8	64.3
Receptionists	97.2	97.1	96.9	97.2	97.1	97.5	97.0	97.5	97.0	96.8
Information clerks, n.e.c.	84.8	86.9	84.6	85.3	84.5	86.6	86.0	88.2	85.8	84.5
Records processing occupations, except financial	79.2	80.1	80.9	82.4	82.1	80.8	81.4	81.1	82.2	82.3
Classified-ad clerks	—	—	—	—	—	—	—	—	—	—
Correspondence clerks	—	—	—	—	—	—	—	—	—	—
Order clerks	76.0	78.9	77.8	80.4	77.2	76.7	76.1	78.8	78.9	78.2
Personnel clerks, except payroll and timekeeping	89.9	85.7	88.8	90.9	90.8	84.3	91.9	91.9	90.6	90.6
Library clerks	76.8	76.0	75.7	78.5	79.0	76.7	75.9	79.4	82.3	82.3
File clerks	80.9	80.6	83.6	82.0	83.4	82.6	84.6	81.0	82.6	83.6
Records clerks	78.7	84.0	81.7	84.5	86.4	84.4	81.4	80.6	81.5	82.8
Financial records processing occupations	90.5	90.8	91.4	91.1	91.0	90.9	90.8	90.4	90.0	89.4
Bookkeepers, accounting, and auditing clerks	90.5	91.4	92.0	91.7	92.1	92.4	91.8	91.5	91.2	91.0
Payroll and timekeeping clerks	90.6	90.6	91.3	90.4	90.2	85.3	89.5	87.0	84.7	82.3
Billing clerks	92.3	90.6	91.9	90.6	89.8	88.9	89.6	88.0	87.0	88.4
Cost and rate clerks	80.6	81.5	80.5	77.1	73.3	73.8	75.3	73.2	77.8	75.0
Billing, posting, and calculating machine operators	91.8	89.3	86.3	—	—	—	—	—	—	84.9
Duplicating, mail, and other office machine operators	52.7	60.3	61.6	63.1	61.8	63.8	62.3	69.2	69.4	63.2
Duplicating machine operators	—	—	—	—	—	—	—	—	—	—
Mail preparing and paper handling machine operators	—	—	—	—	—	—	—	—	—	—
Office machine operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Communications equipment operators	88.1	86.8	87.1	88.6	89.0	91.6	87.4	87.9	91.9	89.1
Telephone operators	89.4	88.8	88.6	90.0	89.5	92.2	87.7	88.8	92.5	90.6
Telegraphers (through 1991)	—	—	—	—	—	—	—	—	—	—
Communications equipment operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Mail and message distributing operators	37.3	37.7	35.7	36.6	36.3	34.8	34.4	33.9	31.6	31.5
Postal clerks, except mail carriers	46.1	48.0	44.8	43.8	47.6	44.1	43.5	41.5	36.2	36.7
Mail carriers, postal service	27.7	27.8	24.8	26.0	21.9	21.2	20.5	17.3	16.9	17.0
Mail clerks, except postal service	48.9	48.6	46.6	50.8	50.3	51.2	48.8	51.2	50.9	50.0
Messengers	27.9	26.8	27.6	26.3	27.7	25.5	26.6	29.8	24.2	26.2

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Material recording, scheduling, and distribution clerks	45.9	46.5	46.6	45.5	45.1	44.2	44.6	45.2	43.7	43.8
Dispatchers	55.0	51.8	51.7	52.6	49.4	51.5	50.6	54.3	51.3	52.7
Production coordinators	57.4	57.9	58.8	60.1	56.9	54.0	53.3	58.7	56.0	50.0
Traffic, shipping, and receiving clerks	31.0	30.5	33.7	33.7	31.7	30.6	30.5	32.6	28.7	30.6
Stock and inventory clerks	44.1	47.7	44.6	41.8	42.9	41.2	44.3	45.0	44.0	43.0
Meter readers	—	13.0	—	—	—	13.7	—	—	11.1	16.7
Weighers, measurers, checkers, and samplers (1992 forward)	50.9	54.9	52.3	—	51.0	56.6	54.5	40.4	50.7	45.6
Weighers, measurers, and checkers (through 1991)	—	—	—	—	—	—	—	—	—	—
Samplers (through 1991)	—	—	—	—	—	—	—	—	—	—
Expeditors	65.8	67.7	66.5	68.2	68.0	69.4	69.1	67.5	65.8	66.7
Material recording, scheduling, and distribution clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—
Adjusters and investigators	73.8	74.5	75.4	75.5	74.7	74.4	74.3	74.9	74.5	73.9
Insurance adjusters, examiners, and investigators	71.8	72.5	73.8	71.2	72.1	72.4	68.8	74.0	74.7	71.5
Investigators and adjusters, except insurance	74.5	75.2	75.8	77.3	75.6	74.8	76.3	75.2	74.6	76.1
Eligibility clerks, social welfare	87.2	91.1	88.5	85.3	85.1	87.5	87.7	82.0	80.7	84.9
Bill and account collectors	68.4	68.0	69.5	69.7	70.8	68.6	68.7	72.2	69.9	64.3
Miscellaneous administrative support occupations	84.2	83.5	83.8	83.4	83.2	83.4	84.0	83.4	81.7	82.1
General office clerks	83.4	83.7	83.4	81.5	81.2	80.7	80.8	81.6	80.3	81.9
Bank tellers	87.2	86.6	89.9	87.8	89.7	90.1	90.3	90.1	90.5	88.1
Proofreaders	—	—	—	—	—	—	—	—	—	—
Data-entry keyers	81.8	81.8	83.6	81.4	81.9	81.9	84.4	82.8	83.7	82.1
Statistical clerks	85.6	89.9	88.6	83.0	81.0	88.8	90.6	84.0	81.3	78.0
Teachers' aides	91.6	91.9	90.8	91.0	93.0	93.1	92.1	91.0	90.4	92.0
Administrative support occupations, n.e.c.	78.8	76.3	76.1	79.2	76.3	76.8	76.9	76.7	74.9	76.6
Service occupations	59.9	60.2	60.1	60.4	59.5	59.4	59.4	60.0	59.6	59.2
Private household occupations	94.6	96.2	95.4	95.2	94.6	95.3	95.0	95.5	96.3	95.2
Launderers and ironers	—	—	—	—	—	—	—	—	—	—
Cooks, private household	—	—	—	—	—	—	—	—	—	—
Housekeepers and butlers	—	—	—	—	—	—	—	—	—	—
Child care workers, private households	97.8	97.1	97.5	97.3	96.8	96.9	97.1	96.8	97.2	97.2
Private household cleaners and servants	93.8	96.1	94.5	94.2	94.2	94.9	93.7	94.7	95.8	94.1
Protective service occupations	19.9	20.3	18.9	18.9	17.8	17.9	17.1	15.9	16.7	17.2
Supervisors, protective service occupations	13.1	12.4	15.3	13.3	9.3	12.7	10.3	10.9	11.9	7.6
Supervisors, firefighting and fire prevention	—	—	—	—	—	—	—	—	2.0	—
Supervisors, police and detectives	15.9	9.9	14.5	17.7	11.0	17.6	13.4	12.7	11.9	10.5
Supervisors, guards	18.2	23.0	24.1	—	12.7	—	—	13.2	18.3	9.3

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Material recording, scheduling, and distribution clerks	43.2	42.3	41.6	40.2	38.4	39.8	39.5	39.8	38.5	37.5
Dispatchers	55.4	51.2	54.9	51.3	46.2	45.7	50.8	48.1	43.9	45.9
Production coordinators	49.5	50.8	49.0	46.4	46.4	46.9	45.5	48.6	48.7	44.0
Traffic, shipping, and receiving clerks	31.2	29.4	26.4	27.6	27.4	29.8	26.1	25.5	25.1	22.6
Stock and inventory clerks	39.9	43.5	42.9	41.2	38.6	39.0	40.0	41.2	37.9	38.7
Meter readers	—	—	—	18.0	—	—	—	—	—	—
Weighers, measurers, checkers, and samplers (1992 forward)	47.0	—	—	—	—	—	—	—	—	—
Weighers, measurers, and checkers (through 1991)	—	49.2	44.9	47.4	45.8	48.6	45.8	48.7	47.8	46.8
Samplers (through 1991)	—	—	—	—	—	—	—	—	—	—
Expeditors	66.4	64.7	66.9	67.7	63.2	60.6	62.4	61.9	60.0	57.1
Material recording, scheduling, and distribution clerks, n.e.c.	—	—	—	—	—	—	—	—	—	—
Adjusters and investigators	75.1	75.9	74.9	74.1	75.0	73.0	72.3	71.8	70.7	69.9
Insurance adjusters, examiners, and investigators	76.3	77.1	72.0	72.0	72.1	71.2	66.4	65.9	64.1	64.8
Investigators and adjusters, except insurance	75.5	75.7	76.6	75.6	77.0	74.0	74.3	74.4	72.1	70.1
Eligibility clerks, social welfare	86.1	90.1	89.8	84.7	90.8	88.1	90.0	87.9	90.1	89.9
Bill and account collectors	64.0	65.7	67.1	66.9	66.9	65.6	67.2	66.0	64.5	66.0
Miscellaneous administrative support occupations	82.7	83.8	84.3	85.2	85.0	84.9	84.9	85.0	85.1	85.2
General office clerks	83.2	80.5	81.6	82.0	81.3	82.9	80.5	80.1	80.9	80.7
Bank tellers	89.5	90.0	90.1	91.1	91.0	90.6	91.9	93.0	91.5	91.0
Proofreaders	—	—	—	—	—	—	—	—	—	—
Data-entry keyers	84.6	85.7	87.1	87.9	88.4	87.3	91.0	90.7	91.2	93.6
Statistical clerks	78.0	75.0	71.9	79.1	74.1	73.5	77.5	75.0	75.8	76.0
Teachers' aides	91.8	92.7	94.3	95.2	95.7	95.1	94.2	93.7	93.0	94.0
Administrative support occupations, n.e.c.	76.2	79.2	78.6	79.9	80.3	80.0	79.2	78.8	78.2	76.6
Service occupations	59.2	59.3	59.6	60.4	60.5	60.6	60.7	60.6	60.8	60.1
Private household occupations	95.8	95.9	96.3	95.9	96.3	96.4	96.0	96.2	96.2	96.1
Launderers and ironers	—	—	—	—	—	—	—	—	—	—
Cooks, private household	—	—	—	—	—	—	—	—	—	—
Housekeepers and butlers	—	—	—	—	—	—	—	—	—	—
Child care workers, private households	97.2	96.6	97.8	97.2	97.4	96.8	97.5	97.0	97.4	97.1
Private household cleaners and servants	94.9	95.8	95.4	94.8	95.6	96.0	95.3	95.8	95.2	95.7
Protective service occupations	16.7	15.3	14.7	15.6	14.4	14.2	12.4	13.2	12.9	12.9
Supervisors, protective service occupations	9.3	8.8	7.6	8.3	7.5	6.2	4.3	6.0	5.9	4.7
Supervisors, firefighting and fire prevention	—	—	—	—	—	—	—	—	—	—
Supervisors, police and detectives	11.1	9.5	8.1	6.0	8.6	7.2	4.5	4.1	6.2	3.4
Supervisors, guards	12.7	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Firefighting and fire prevention occupations	4.2	3.8	3.6	2.9	2.4	3.4	2.2	2.8	1.9	3.8
Fire inspection and fire prevention occupations	—	—	—	—	—	—	—	—	—	—
Firefighting occupations	3.2	2.4	3.0	1.8	2.2	3.2	1.8	2.5	2.1	3.7
Police and detectives	18.3	17.6	16.5	16.9	16.3	16.4	15.7	13.5	15.6	16.1
Police and detectives, public service	15.5	14.0	12.0	14.1	11.5	11.7	12.9	10.4	13.2	12.1
Sheriffs, bailiffs, and other law enforcement officers	19.1	20.5	19.2	14.3	16.8	21.8	15.9	16.6	16.2	19.7
Correctional institution officers	22.9	22.5	22.6	23.5	25.4	22.9	21.7	17.6	19.3	21.5
Guards	27.0	29.6	26.7	26.7	26.0	24.4	24.7	23.6	22.9	23.9
Crossing guards	—	—	—	—	—	—	—	—	—	—
Guards and police, except public service	21.9	24.0	20.0	20.7	19.0	18.3	17.2	16.4	15.9	17.3
Protective service occupations, n.e.c.	54.0	57.9	62.0	53.3	62.9	56.1	59.3	53.6	54.6	53.1
Service occupations, except protective and private household	64.8	65.0	64.8	65.4	64.4	64.0	63.9	65.0	64.3	63.4
Food preparation and service occupations	55.8	56.5	57.2	57.7	56.5	56.8	56.6	58.3	57.9	57.6
Supervisors, food preparation and service	67.0	64.8	68.3	68.4	67.4	68.4	70.1	68.8	66.7	67.8
Bartenders	55.1	50.7	51.5	48.4	54.6	57.1	53.8	53.7	55.0	53.1
Waiters and waitresses	74.9	76.5	76.6	77.4	78.2	77.8	77.9	77.7	78.6	79.4
Cooks (1992 forward)	40.3	41.8	42.8	44.0	40.9	41.8	42.2	44.5	43.4	43.4
Cooks, except short order (through 1991)	—	—	—	—	—	—	—	—	—	—
Short-order cooks (through 1991)	—	—	—	—	—	—	—	—	—	—
Food counter, fountain, and related occupations	66.1	67.4	67.7	64.4	69.0	69.6	67.2	74.8	70.1	68.7
Kitchen workers, food preparation	68.3	71.1	70.9	70.3	68.8	72.7	71.2	70.7	73.6	74.8
Waiters'/waitresses' assistants	52.4	53.6	50.8	49.6	53.3	48.5	46.8	46.1	47.6	42.5
Miscellaneous food preparation occupations	50.4	50.1	51.7	51.8	46.8	48.5	47.4	49.0	48.6	46.0
Health service occupations	89.1	89.1	89.4	89.2	88.5	88.2	88.2	88.3	87.9	87.2
Dental assistants	97.8	97.3	96.4	96.2	97.8	96.5	99.1	98.6	96.8	97.8
Health aides, except nursing	78.6	79.0	82.4	80.5	78.9	76.0	79.8	76.1	78.1	78.7
Nursing aides, orderlies, and attendants	89.9	90.1	89.9	89.9	89.0	89.4	88.4	89.4	88.8	87.6
Cleaning and building service occupations	45.7	46.0	45.0	45.4	44.5	43.2	44.4	44.9	45.2	42.1
Supervisors, cleaning and building service workers	31.7	34.2	37.9	38.7	38.8	39.3	34.3	38.5	40.6	40.7
Maids and housemen (except private household)	82.4	84.7	81.2	82.7	82.8	80.1	81.8	83.1	83.4	81.6
Janitors and cleaners	36.4	35.9	36.3	35.8	34.8	34.0	34.9	35.0	34.0	30.6
Elevator operators	—	—	—	—	—	—	—	—	—	—
Pest control occupations	1.6	4.4	5.6	2.9	3.5	2.0	3.1	5.3	6.0	7.5
Personal service occupations	80.7	80.4	80.3	80.8	81.5	80.9	80.7	80.7	80.2	80.4
Supervisors, personal service occupations	69.2	64.3	62.8	71.6	66.9	69.7	68.1	67.2	69.3	68.1
Barbers	23.1	25.6	24.8	21.0	18.2	22.8	24.7	16.1	21.4	21.8

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Firefighting and fire prevention occupations	3.4	2.3	2.3	3.8	2.8	2.3	2.3	1.4	0.5	1.1
Fire inspection and fire prevention occupations	—	—	—	—	—	—	—	—	—	—
Firefighting occupations	2.1	1.5	1.0	3.7	2.0	1.0	2.0	0.5	0.0	1.2
Police and detectives	15.8	14.0	13.9	12.7	13.4	11.4	11.0	10.1	10.9	9.5
Police and detectives, public service	10.6	10.3	12.2	10.2	10.1	9.1	7.0	8.1	7.6	5.6
Sheriffs, bailiffs, and other law enforcement officers	21.3	18.1	13.2	12.5	17.1	14.4	13.5	8.1	13.3	13.8
Correctional institution officers	21.8	18.9	17.7	17.4	18.0	15.4	19.0	16.3	17.4	17.8
Guards	22.3	21.5	20.3	23.3	20.0	21.5	18.4	20.9	19.7	20.5
Crossing guards	—	—	—	—	—	—	—	—	—	—
Guards and police, except public service	15.3	15.9	14.8	16.0	13.5	14.4	12.5	14.5	13.9	13.0
Protective service occupations, n.e.c.	56.8	48.1	52.1	55.4	46.7	54.8	43.1	46.0	—	51.6
Service occupations, except protective and private household	63.5	64.0	64.2	64.8	65.1	65.2	65.0	64.4	64.8	64.0
Food preparation and service occupations	57.9	58.2	58.5	60.3	61.6	62.4	62.8	62.5	64.0	63.3
Supervisors, food preparation and service	66.8	70.8	66.6	69.9	68.3	66.8	70.0	66.9	66.8	63.6
Bartenders	54.6	53.4	55.3	50.6	49.7	50.0	48.8	48.1	49.1	48.5
Waiters and waitresses	79.0	81.0	80.1	80.8	82.6	85.0	85.0	84.1	86.3	87.8
Cooks (1992 forward)	44.9	—	—	—	—	—	—	—	—	—
Cooks, except short order (through 1991)	—	45.6	46.3	49.4	49.8	50.1	50.6	51.3	52.0	50.8
Short-order cooks (through 1991)	—	28.2	32.9	30.8	37.9	34.4	36.9	36.9	37.9	38.7
Food counter, fountain, and related occupations	72.2	70.6	72.3	72.9	78.2	77.7	78.5	79.6	79.3	76.1
Kitchen workers, food preparation	75.3	70.1	69.7	73.0	73.5	76.2	76.2	75.4	73.5	76.8
Waiters'/waitresses' assistants	36.3	37.2	37.7	40.1	39.8	37.8	39.2	40.0	40.7	38.7
Miscellaneous food preparation occupations	47.7	50.3	48.6	50.0	54.0	54.2	52.9	53.9	55.0	54.0
Health service occupations	88.6	88.4	90.1	90.0	89.3	89.8	89.9	89.9	90.3	89.2
Dental assistants	98.8	98.3	98.9	98.9	98.8	97.6	99.4	98.8	98.2	98.1
Health aides, except nursing	81.1	83.0	84.5	84.6	83.5	84.2	83.2	85.4	86.5	87.0
Nursing aides, orderlies, and attendants	89.3	89.0	90.6	90.5	89.8	90.4	90.5	89.9	90.4	88.7
Cleaning and building service occupations	41.0	43.0	43.8	42.7	42.6	41.7	41.5	40.2	39.0	38.8
Supervisors, cleaning and building service workers	36.2	39.1	37.2	38.3	37.7	34.2	33.6	36.5	37.8	38.7
Maids and housemen (except private household)	81.9	82.5	81.5	83.6	85.1	84.6	84.7	83.5	82.5	81.2
Janitors and cleaners	29.8	30.7	32.5	31.6	31.2	30.8	30.9	29.4	28.4	28.6
Elevator operators	—	—	—	—	—	—	—	—	—	—
Pest control occupations	—	—	—	—	—	3.6	—	—	—	—
Personal service occupations	81.4	81.3	81.4	81.8	81.1	81.3	80.8	80.9	80.8	79.1
Supervisors, personal service occupations	60.5	69.8	68.6	—	—	—	—	—	—	—
Barbers	20.9	18.4	18.3	17.3	18.1	17.8	16.3	15.4	19.0	13.0

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Hairdressers and cosmetologists	89.8	90.1	90.9	90.8	90.8	90.4	91.0	92.0	90.7	90.0
Attendants, amusement and recreation facilities	40.4	37.6	39.8	39.7	43.3	35.0	38.6	37.6	38.8	39.4
Guides	—	—	—	—	—	—	44.0	54.7	—	—
Ushers	—	—	—	—	—	—	—	—	—	—
Public transportation attendants	79.8	81.5	80.6	83.8	86.3	82.6	81.1	81.9	80.8	80.0
Baggage porters and bellhops	—	—	—	—	—	—	—	—	—	—
Welfare service aides	83.2	83.2	87.9	84.5	87.0	86.3	87.5	84.9	85.2	81.1
Child care workers, except private household (through 1991)	—	—	—	—	—	—	—	—	—	—
Family child care providers (1992 forward)	99.3	98.5	97.6	97.9	97.1	98.2	98.5	97.9	98.8	99.0
Early childhood teachers assistants (1992 forward)	93.8	94.8	95.2	95.3	95.8	95.6	95.3	95.7	96.4	96.5
Child care workers, n.e.c. (1992 forward)	88.6	89.0	87.6	90.1	89.4	89.7	90.4	91.4	89.8	91.2
Personal service occupations, n.e.c.	70.4	69.2	71.1	64.8	65.5	64.2	63.4	61.9	54.9	57.1
Precision production, craft, and repair occupations	8.2	8.7	9.1	9.0	8.3	8.9	9.0	8.9	9.3	8.6
Mechanics and repairers	4.5	4.8	5.2	4.8	4.1	3.9	4.1	4.0	4.5	3.5
Supervisors, mechanics and repairers	7.2	8.5	8.8	10.2	5.8	6.9	8.4	6.8	9.7	7.3
Mechanics and repairers, except supervisors	4.4	4.6	5.0	4.5	4.0	3.7	3.9	3.8	4.3	3.3
Vehicle and mobile equipment mechanics and repairers	1.3	1.4	1.6	1.5	1.0	1.3	1.0	0.8	1.2	1.0
Automobile mechanics	1.4	1.3	1.3	1.4	0.8	1.4	1.2	0.6	1.0	0.7
Bus, truck, and stationary engine mechanics	0.6	0.6	0.9	0.9	0.6	0.6	0.3	0.6	0.3	0.3
Aircraft engine mechanics	2.4	4.1	6.3	4.1	3.9	3.0	1.5	1.7	4.7	4.3
Small engine repairers	0.0	1.4	1.7	1.4	1.6	0.0	1.7	0.0	—	1.4
Automobile body and related repairers	2.4	1.3	1.0	0.6	1.1	0.9	1.0	1.1	0.5	0.5
Aircraft mechanics, except engine	—	—	—	—	—	—	—	—	—	—
Heavy equipment mechanics	0.6	1.9	0.6	1.3	0.0	0.6	0.0	0.6	1.3	0.7
Farm equipment mechanics	—	—	—	—	—	—	—	—	—	—
Industrial machinery repairers	3.3	3.5	4.2	2.8	2.1	2.6	3.0	3.0	3.2	2.5
Machinery maintenance occupations	—	—	—	—	—	—	—	—	—	—
Electrical and electronic equipment repairers	12.1	11.3	11.5	11.1	11.1	9.5	11.0	9.3	12.3	9.4
Electronic repairers, communications and industrial equip.	5.7	5.0	9.3	7.8	7.0	7.3	5.4	4.1	7.5	7.8
Data processing equipment repairers	16.6	16.8	15.7	15.2	16.8	13.2	18.1	15.4	17.8	10.5
Household appliance and power tool repairers	—	—	—	—	—	—	—	—	—	—
Telephone line installers and repairers	—	3.6	3.7	7.1	—	—	—	5.3	—	—
Telephone installers and repairers	15.8	13.5	13.1	13.3	12.1	13.2	13.6	16.0	16.8	12.2
Misc. electrical and electronic equipment repairers	6.6	5.3	1.4	4.8	7.2	3.0	1.5	0.0	1.7	6.3
Heating, air conditioning, and refrigeration mechanics	0.6	0.6	1.1	1.4	1.5	0.9	1.3	0.8	0.4	1.1
Miscellaneous mechanics and repairers	5.3	5.7	6.4	5.7	5.0	5.5	5.6	6.4	5.7	4.5

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Hairdressers and cosmetologists	90.8	90.1	89.7	89.3	89.6	89.2	88.7	90.0	89.8	88.7
Attendants, amusement and recreation facilities	47.2	38.4	40.0	48.1	40.0	43.0	43.0	40.0	44.1	40.5
Guides	—	—	54.9	—	—	—	—	—	—	—
Ushers	—	—	—	—	—	—	—	—	—	—
Public transportation attendants	82.4	82.6	83.0	82.6	79.2	84.2	76.1	78.5	84.1	74.6
Baggage porters and bellhops	—	—	—	—	—	—	—	—	—	—
Welfare service aides	88.0	94.2	92.6	90.5	94.6	90.4	90.8	92.7	93.8	92.2
Child care workers, except private household (through 1991)	—	96.0	96.9	96.4	96.0	95.9	96.5	96.2	95.3	96.8
Family child care providers (1992 forward)	98.8	—	—	—	—	—	—	—	—	—
Early childhood teachers assistants (1992 forward)	95.9	—	—	—	—	—	—	—	—	—
Child care workers, n.e.c. (1992 forward)	91.3	—	—	—	—	—	—	—	—	—
Personal service occupations, n.e.c.	58.7	61.3	64.4	66.0	61.7	59.2	55.9	57.8	63.8	64.4
Precision production, craft, and repair occupations	8.6	8.6	8.5	8.6	8.7	8.5	8.6	8.4	8.5	8.1
Mechanics and repairers	3.3	3.7	3.6	3.4	3.3	3.4	3.5	3.4	3.0	3.0
Supervisors, mechanics and repairers	7.8	8.4	7.6	7.0	7.0	8.9	8.1	8.3	9.0	7.1
Mechanics and repairers, except supervisors	3.0	3.4	3.3	3.1	3.1	3.0	3.2	3.1	2.7	2.7
Vehicle and mobile equipment mechanics and repairers	1.1	1.1	0.9	0.7	0.9	1.0	1.1	0.9	1.0	0.8
Automobile mechanics	0.8	0.8	0.8	0.7	0.7	0.6	1.0	0.7	0.8	0.5
Bus, truck, and stationary engine mechanics	0.6	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.7
Aircraft engine mechanics	4.8	3.7	2.7	2.5	3.8	4.3	2.0	4.4	2.3	2.1
Small engine repairers	1.8	1.4	0.0	1.5	0.0	1.4	0.0	0.0	0.0	0.0
Automobile body and related repairers	0.5	0.5	1.0	0.5	1.0	1.6	1.5	1.4	2.0	0.5
Aircraft mechanics, except engine	—	—	—	—	—	—	—	—	—	—
Heavy equipment mechanics	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.0	0.6
Farm equipment mechanics	—	—	—	—	—	—	—	—	—	—
Industrial machinery repairers	2.2	2.7	3.0	3.0	2.7	2.0	2.6	2.4	2.7	2.3
Machinery maintenance occupations	—	—	—	—	—	—	—	—	—	—
Electrical and electronic equipment repairers	7.3	9.5	8.7	7.6	8.0	8.5	9.0	8.1	5.8	7.4
Electronic repairers, communications and industrial equip.	5.1	6.4	7.1	6.7	4.8	5.3	6.0	5.7	3.1	5.1
Data processing equipment repairers	10.1	15.0	11.3	8.6	8.6	12.7	11.3	10.1	9.3	9.2
Household appliance and power tool repairers	3.9	3.8	2.0	—	—	—	—	2.0	1.9	—
Telephone line installers and repairers	3.4	6.2	6.5	3.7	9.8	7.0	6.3	2.9	3.2	5.1
Telephone installers and repairers	10.4	12.8	11.4	10.9	11.9	11.6	13.2	12.7	8.1	9.7
Misc. electrical and electronic equipment repairers	5.6	5.4	4.5	6.0	3.2	3.2	6.8	4.0	4.3	3.1
Heating, air conditioning, and refrigeration mechanics	0.4	0.4	0.4	0.4	0.8	0.8	0.4	0.4	1.2	0.5
Miscellaneous mechanics and repairers	5.1	4.4	4.8	5.0	4.6	4.3	4.0	5.0	4.1	3.9

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Camera, watch, and musical instrument repairers	—	—	—	—	—	—	—	—	—	—
Locksmiths and safe repairers	—	—	—	—	—	—	—	—	—	—
Office machine repairers	—	—	9.4	—	1.6	5.0	3.6	8.3	1.6	3.3
Mechanical controls and valve repairers	—	—	—	—	—	—	—	—	—	—
Elevator installers and repairers	—	—	—	—	—	—	—	—	—	—
Millwrights	4.4	4.2	2.6	2.8	1.2	4.5	1.1	2.4	3.8	1.2
Specified mechanics and repairers, n.e.c.	5.9	7.3	7.1	8.3	6.3	6.0	6.6	6.8	7.4	5.1
Not specified mechanics and repairers	4.8	3.5	5.1	2.0	4.0	5.7	5.9	6.8	2.6	4.0
Construction trades	2.4	2.4	2.6	2.6	1.9	2.4	2.5	2.4	2.2	1.9
Supervisors, construction occupations	2.4	2.6	2.3	2.3	1.3	2.2	2.3	2.9	1.4	1.9
Supervisors, brickmasons, stonemasons, and tile setters	—	—	—	—	—	—	—	—	—	—
Supervisors, carpenters and related workers	—	—	—	—	—	—	—	—	—	—
Supervisors, electricians and power transmission installers	—	2.0	3.4	—	—	—	—	—	—	—
Supervisors, painters, paperhangers, and plasterers	—	—	—	—	—	—	—	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	—	—	—	—	—	—	—	—	—	—
Construction supervisors, n.e.c.	2.4	2.6	2.4	2.4	1.4	2.3	2.3	2.7	1.5	1.9
Construction trades, except supervisors	2.4	2.4	2.7	2.6	2.0	2.4	2.5	2.3	2.3	1.9
Brickmasons and stonemasons	0.4	1.2	0.8	1.5	1.0	0.5	0.0	1.7	0.5	0.5
Tile setters, hard and soft	1.0	0.0	1.0	2.1	1.6	0.0	0.0	1.9	3.6	1.8
Carpet installers	3.6	1.6	1.6	1.6	1.5	1.7	0.0	0.8	2.6	2.1
Carpenters	1.8	1.6	1.7	1.1	1.2	1.6	1.3	0.8	1.0	0.9
Drywall installers	2.1	2.5	5.5	3.7	2.2	1.9	1.8	1.4	1.9	1.4
Electricians	2.6	1.9	2.8	2.3	2.0	1.9	2.2	1.9	2.1	1.1
Electrical power installers and repairers	3.2	3.6	1.5	2.2	0.7	0.9	0.8	3.2	1.7	0.9
Painters, construction and maintenance	4.9	5.3	5.6	6.3	4.7	6.6	7.9	6.7	6.3	5.0
Paperhangers	—	—	—	—	—	—	—	—	—	—
Plasterers	—	0.0	—	—	—	—	—	—	—	—
Plumbers, pipefitters, and steamfitters	1.5	1.8	1.5	1.9	0.9	1.5	2.2	1.4	0.8	0.7
Concrete and terrazzo finishers	1.0	0.0	1.0	3.7	0.0	2.2	0.0	0.0	0.0	0.0
Glaziers	—	—	—	—	3.7	—	—	—	—	—
Insulation workers	11.7	6.7	6.8	5.3	7.3	0.0	0.0	3.2	3.1	8.2
Paving, surfacing, and tamping equipment operators	—	—	—	—	—	—	—	—	—	—
Roofers	2.6	1.8	1.8	1.9	0.8	1.0	1.0	0.5	0.0	1.3
Sheet metal duct installers	—	—	—	—	—	—	—	—	—	—
Structural metalworkers	1.5	1.3	2.5	0.0	1.6	0.0	3.3	1.7	—	—
Drillers, earth	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Camera, watch, and musical instrument repairers	—	—	—	—	—	—	—	—	—	—
Locksmiths and safe repairers	—	—	—	—	—	—	—	—	—	—
Office machine repairers	3.4	4.7	5.3	7.5	6.7	3.1	1.7	6.3	3.4	3.0
Mechanical controls and valve repairers	—	—	—	—	—	—	—	—	—	—
Elevator installers and repairers	—	—	—	—	—	—	—	—	—	—
Millwrights	2.2	3.9	3.2	4.0	2.1	2.1	1.1	2.3	2.2	1.1
Specified mechanics and repairers, n.e.c.	5.3	4.4	5.1	5.1	4.9	5.0	5.2	6.2	4.1	4.9
Not specified mechanics and repairers	4.7	3.8	4.0	4.2	4.0	3.3	3.3	4.3	2.7	3.1
Construction trades	1.8	1.8	1.8	2.1	2.1	1.9	2.0	2.0	1.7	1.8
Supervisors, construction occupations	1.2	1.1	1.5	2.0	2.3	1.4	1.6	1.3	1.4	1.4
Supervisors, brickmasons, stonemasons, and tile setters	—	—	—	—	—	—	—	—	—	—
Supervisors, carpenters and related workers	—	—	—	—	—	—	—	—	—	—
Supervisors, electricians and power transmission installers	—	—	—	—	—	—	—	—	—	—
Supervisors, painters, paperhangers, and plasterers	—	—	—	—	—	—	—	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	—	—	—	—	—	—	—	—	—	—
Construction supervisors, n.e.c.	1.3	1.1	1.4	2.0	2.3	1.5	1.6	1.4	1.3	1.5
Construction trades, except supervisors	1.9	1.9	1.9	2.1	2.1	2.0	2.1	2.1	1.8	1.9
Brickmasons and stonemasons	1.1	0.0	0.0	0.5	0.5	1.0	0.0	0.6	0.6	0.0
Tile setters, hard and soft	1.7	1.6	1.4	0.0	1.9	—	0.0	—	—	—
Carpet installers	1.0	2.0	1.8	0.9	2.8	1.0	1.0	1.1	1.0	2.3
Carpenters	1.0	1.2	1.3	1.2	1.5	1.2	1.4	1.2	1.3	1.4
Drywall installers	1.7	1.6	1.3	1.3	2.0	2.0	2.5	1.4	1.8	1.1
Electricians	1.2	1.3	1.7	1.9	1.4	1.2	1.3	1.6	1.3	1.5
Electrical power installers and repairers	0.0	0.9	1.7	0.0	0.0	0.9	1.9	0.9	0.0	0.0
Painters, construction and maintenance	4.9	5.3	5.5	6.1	5.7	5.5	6.1	6.3	5.2	4.9
Paperhangers	—	—	—	—	—	—	—	—	—	—
Plasterers	—	—	—	—	—	—	—	—	—	—
Plumbers, pipefitters, and steamfitters	0.9	1.1	0.9	0.9	0.4	0.8	0.6	1.1	1.1	1.1
Concrete and terrazzo finishers	1.7	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.4	0.0
Glaziers	—	—	—	—	—	—	—	—	—	—
Insulation workers	3.3	2.0	1.8	4.7	5.6	1.9	1.7	3.4	0.0	5.4
Paving, surfacing, and tamping equipment operators	—	—	—	—	—	—	—	—	—	—
Roofers	0.5	0.5	0.5	0.6	1.3	0.6	1.6	1.7	0.6	0.0
Sheet metal duct installers	—	—	—	—	—	—	—	—	—	—
Structural metalworkers	—	0.0	0.0	0.0	—	0.0	0.0	0.0	0.0	1.6
Drillers, earth	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Construction trades, n.e.c.	1.5	3.2	4.2	2.4	1.6	2.2	1.8	1.6	3.0	2.0
Extractive occupations	1.7	2.2	2.3	0.8	1.6	1.4	2.3	3.7	0.7	2.0
Supervisors, extractive occupations	—	—	—	—	—	—	—	—	—	4.0
Drillers, oil well	—	—	—	—	—	—	—	—	—	—
Explosives workers	—	—	—	—	—	—	—	—	—	—
Mining machine operators	—	—	—	—	—	—	—	—	—	—
Mining occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Precision production occupations	23.8	24.7	25.0	24.3	23.0	24.1	23.6	23.3	23.9	23.6
Supervisors, production occupations	20.0	19.7	19.8	19.5	18.2	19.8	18.1	17.0	18.8	16.8
Precision metalworking occupations	6.8	7.0	7.5	7.5	6.5	7.6	8.8	7.7	6.4	7.5
Tool and die makers	2.0	2.7	2.5	4.2	0.0	0.8	1.5	3.5	1.4	1.5
Precision assemblers, metal	—	—	—	—	—	—	—	—	—	—
Machinists	5.3	4.6	6.3	5.6	5.8	5.1	6.1	5.9	4.3	4.1
Boilermakers	—	—	—	—	—	—	—	—	—	—
Precision grinders, fitters, and tool sharpeners	—	—	—	—	—	—	—	—	—	—
Patternmakers and model makers, metal	—	—	—	—	—	—	—	—	—	—
Lay-out workers	—	—	—	—	—	—	—	—	—	—
Precious stones and metals workers (jewelers)	30.8	—	—	—	—	28.3	36.8	—	23.2	35.5
Engravers, metal	—	—	—	—	—	—	—	—	—	—
Sheet metal workers	3.2	5.2	4.1	5.9	3.9	9.1	7.1	8.0	8.7	6.5
Miscellaneous precision metal workers	—	—	—	—	—	—	—	—	—	—
Precision woodworking occupations	11.5	11.1	10.9	12.3	10.0	5.2	10.0	11.2	10.6	11.7
Patternmakers and model makers, wood	—	—	—	—	—	—	—	—	—	—
Cabinet makers and bench carpenters	6.8	4.7	1.1	5.8	5.6	2.5	6.3	5.0	4.6	8.2
Furniture and wood finishers	—	—	—	—	—	—	—	—	—	—
Miscellaneous precision woodworkers	—	—	—	—	—	—	—	—	—	—
Precision textile, apparel, and furnishings machine workers	52.9	58.0	53.5	51.2	46.8	53.7	54.9	55.6	54.7	55.2
Dressmakers	86.4	93.5	92.4	90.8	89.6	91.0	90.7	97.8	96.3	93.8
Tailors	—	—	—	—	32.0	—	—	—	—	—
Upholsterers	20.7	21.5	21.2	23.2	21.1	20.0	18.6	22.2	24.6	15.6
Shoe repairers	—	—	—	—	—	—	—	—	—	—
Apparel and fabric patternmakers (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous precision apparel and fabric workers	—	—	—	—	—	—	—	—	—	—
Precision workers, assorted materials	54.1	53.6	52.5	54.0	55.8	55.7	54.0	56.5	55.6	56.4
Hand molders and shapers, except jewelers	—	—	—	—	—	—	—	—	—	—
Patternmakers, lay-out workers, and cutters	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Construction trades, n.e.c.	3.0	1.0	1.5	2.5	1.4	1.1	2.3	1.7	2.0	1.9
Extractive occupations	0.8	2.8	2.0	2.9	2.1	3.1	2.3	1.0	2.0	2.0
Supervisors, extractive occupations	—	—	—	—	—	—	3.9	1.9	1.8	1.8
Drillers, oil well	—	—	—	—	—	—	—	2.0	0.0	1.7
Explosives workers	—	—	—	—	—	—	—	—	—	—
Mining machine operators	—	—	—	—	—	—	—	—	—	—
Mining occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Precision production occupations	23.7	23.2	23.1	23.2	23.5	22.8	22.8	22.3	22.9	21.5
Supervisors, production occupations	17.0	17.1	16.3	14.7	15.4	14.9	15.0	14.4	14.7	14.1
Precision metalworking occupations	6.7	5.9	6.6	6.5	6.4	6.2	5.8	6.3	6.0	5.5
Tool and die makers	1.6	0.7	1.3	2.7	2.8	2.1	1.3	2.1	1.5	1.4
Precision assemblers, metal	—	—	—	—	—	—	—	—	—	—
Machinists	4.2	4.0	3.9	4.2	4.8	3.5	3.7	3.8	4.9	4.0
Boilermakers	—	—	—	—	—	—	—	—	—	—
Precision grinders, fitters, and tool sharpeners	—	—	—	—	—	—	—	—	—	—
Patternmakers and model makers, metal	—	—	—	—	—	—	—	—	—	—
Lay-out workers	—	—	—	—	—	—	—	—	—	—
Precious stones and metals workers (jewelers)	—	—	—	32.7	—	—	—	—	—	—
Engravers, metal	—	—	—	—	—	—	—	—	—	—
Sheet metal workers	5.0	4.9	5.7	7.1	5.6	6.3	6.6	5.5	4.0	4.7
Miscellaneous precision metal workers	—	—	—	—	—	—	—	—	—	—
Precision woodworking occupations	10.9	13.7	13.4	13.7	12.3	11.8	17.5	15.5	16.0	16.3
Patternmakers and model makers, wood	—	—	—	—	—	—	—	—	—	—
Cabinet makers and bench carpenters	6.8	3.6	3.6	5.4	3.0	1.8	6.6	5.1	5.8	—
Furniture and wood finishers	—	—	—	—	—	—	—	—	—	—
Miscellaneous precision woodworkers	—	—	—	—	—	—	—	—	—	—
Precision textile, apparel, and furnishings machine workers	55.9	59.0	60.6	57.8	58.1	55.2	57.5	55.1	56.1	58.8
Dressmakers	92.6	93.6	96.4	94.9	94.4	92.6	95.7	95.2	93.6	96.4
Tailors	—	—	41.2	41.7	45.3	37.5	—	—	—	—
Upholsterers	21.1	24.6	24.2	23.9	21.4	26.4	24.1	19.5	23.9	26.9
Shoe repairers	—	—	—	—	—	—	—	—	—	—
Apparel and fabric patternmakers (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous precision apparel and fabric workers	—	—	—	—	—	—	—	—	—	—
Precision workers, assorted materials	56.1	55.7	53.9	54.7	56.7	55.6	57.2	57.9	60.1	56.9
Hand molders and shapers, except jewelers	—	—	—	—	—	—	—	—	—	—
Patternmakers, lay-out workers, and cutters	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Optical goods workers	68.1	56.8	59.0	64.2	55.7	56.4	52.1	54.4	52.8	52.5
Dental laboratory and medical appliance technicians	43.9	52.0	—	34.0	22.2	37.7	—	41.5	36.1	32.7
Bookbinders	—	—	—	—	—	—	—	—	—	—
Electrical and electronic equipment assemblers	63.3	61.4	62.1	63.2	67.8	66.1	62.8	65.9	65.2	67.1
Miscellaneous precision workers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Precision food production occupations	36.7	36.0	39.2	37.0	34.7	33.3	35.6	31.5	33.9	32.7
Butchers and meat cutters	21.0	19.0	26.8	25.0	20.5	19.4	22.3	21.4	22.9	21.1
Bakers	50.0	49.4	44.4	44.5	44.7	45.3	45.9	38.8	43.3	44.7
Food batchmakers	66.7	73.6	78.1	78.0	—	—	—	—	66.0	64.8
Precision inspectors, testers, and related workers	23.7	28.2	24.7	23.7	23.1	26.8	18.7	19.4	27.0	26.3
Inspectors, testers, and graders	24.2	27.7	24.6	24.4	23.4	27.6	18.3	19.4	26.4	25.8
Adjusters and calibrators	—	—	—	—	—	—	—	—	—	—
Plant and system operators	4.8	4.5	5.2	4.0	2.7	4.7	2.7	5.9	5.1	4.9
Water and sewage treatment plant operators	3.9	1.5	5.8	5.2	5.5	2.9	4.7	2.9	2.9	7.1
Power plant operators	—	—	—	—	—	—	—	—	—	—
Stationary engineers	2.6	4.3	6.7	0.9	0.8	4.6	1.6	2.4	3.2	3.2
Miscellaneous plant and system operators	—	—	—	—	—	—	—	—	—	—
Operators, fabricators, and laborers	22.7	23.3	23.7	24.1	24.6	24.7	24.4	24.3	24.3	24.4
Machine operators, assemblers, and inspectors	35.3	36.2	37.0	37.2	37.3	37.7	37.7	37.3	38.1	38.5
Machine operators and tenders, except precision	34.6	35.7	36.6	37.0	37.5	37.6	38.0	38.1	38.5	38.7
Metalworking and plastic working machine operators	17.1	20.0	18.5	17.0	17.4	14.5	14.6	14.8	15.3	15.6
Lathe and turning machine set-up operators	—	—	—	—	—	—	—	—	—	—
Lathe and turning machine operators	—	—	—	—	17.6	—	—	—	—	—
Milling and planing machine operators	—	—	—	—	—	—	—	—	—	—
Punching and stamping press machine operators	27.5	27.8	26.3	25.5	30.8	24.2	19.1	21.7	25.4	27.0
Rolling machine operators	—	—	—	—	—	—	—	—	—	—
Drilling and boring machine operators	—	—	—	—	—	—	—	—	—	—
Grinding, abrading, buffing, and polishing machine operators	20.9	18.2	15.3	15.8	10.2	11.1	14.4	12.7	14.0	11.9
Forging machine operators	—	—	—	—	—	—	—	—	—	—
Numerical control machine operators	—	—	—	—	—	—	—	—	—	—
Misc. metal, plastic, stone, and glass working machine operators	—	—	—	—	—	—	—	—	—	—
Fabricating machine operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Metal and plastic processing machine operators	19.9	22.8	23.7	21.4	21.3	23.4	20.7	20.0	21.7	21.3
Molding and casting machine operators	23.3	31.5	33.7	25.0	26.4	29.2	25.5	25.0	29.7	28.7
Metal plating machine operators	—	—	—	—	—	—	—	—	—	—
Heat treating equipment operators	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Optical goods workers	49.2	54.7	57.1	61.3	61.7	54.0	55.2	—	50.0	41.1
Dental laboratory and medical appliance technicians	44.2	32.1	36.5	27.5	—	33.3	40.0	39.2	31.4	42.0
Bookbinders	—	—	—	—	—	—	—	—	—	—
Electrical and electronic equipment assemblers	65.5	70.0	66.0	67.4	70.2	68.9	68.6	71.9	73.3	74.0
Miscellaneous precision workers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Precision food production occupations	31.8	31.3	32.1	34.5	32.3	30.6	29.4	27.7	27.0	25.5
Butchers and meat cutters	23.3	20.5	22.0	26.7	21.3	19.6	21.4	19.2	16.7	15.6
Bakers	39.0	43.5	43.7	44.2	47.6	43.9	39.1	41.3	43.9	44.8
Food batchmakers	—	—	—	—	—	—	—	—	—	—
Precision inspectors, testers, and related workers	23.7	21.0	25.4	24.8	27.8	25.9	21.7	24.4	25.0	25.4
Inspectors, testers, and graders	22.0	20.0	24.8	23.9	25.7	23.3	20.4	22.6	24.1	24.8
Adjusters and calibrators	—	—	—	—	—	—	—	—	—	—
Plant and system operators	3.8	4.8	4.1	4.8	4.7	4.4	4.7	3.1	2.6	3.2
Water and sewage treatment plant operators	3.6	5.2	1.6	5.5	2.0	5.6	—	2.0	—	—
Power plant operators	—	—	—	—	—	—	—	—	—	3.8
Stationary engineers	2.5	1.9	3.4	3.7	2.9	2.8	2.7	2.9	1.9	2.5
Miscellaneous plant and system operators	—	—	—	—	—	—	—	—	—	—
Operators, fabricators, and laborers	24.9	25.1	25.3	26.1	25.7	25.8	25.4	25.4	26.0	26.6
Machine operators, assemblers, and inspectors	39.6	40.0	39.9	40.9	40.8	41.2	40.3	40.3	41.1	42.1
Machine operators and tenders, except precision	40.0	40.9	40.8	41.7	41.9	42.6	41.6	41.9	42.8	43.1
Metalworking and plastic working machine operators	17.9	18.0	18.1	18.3	17.0	19.9	18.4	17.7	17.3	16.6
Lathe and turning machine set-up operators	—	—	—	—	—	—	—	—	—	—
Lathe and turning machine operators	—	8.5	8.6	9.1	6.3	11.7	6.2	10.3	12.3	9.0
Milling and planing machine operators	—	—	—	—	—	—	—	—	—	—
Punching and stamping press machine operators	27.9	34.3	29.2	30.0	30.1	32.4	31.6	29.3	27.1	33.3
Rolling machine operators	—	—	—	—	—	—	—	—	—	—
Drilling and boring machine operators	—	—	—	—	—	—	—	—	—	—
Grinding, abrading, buffing, and polishing machine operators	16.7	15.2	16.9	16.1	12.1	14.6	14.2	13.5	14.6	13.9
Forging machine operators	—	—	—	—	—	—	—	—	—	—
Numerical control machine operators	—	—	—	—	—	—	—	—	—	—
Misc. metal, plastic, stone, and glass working machine operators	—	—	—	—	—	—	—	—	—	—
Fabricating machine operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Metal and plastic processing machine operators	21.3	21.4	20.9	23.8	25.9	22.3	21.6	25.3	28.0	23.3
Molding and casting machine operators	27.4	28.6	29.4	28.9	31.4	31.3	29.8	35.3	39.0	30.4
Metal plating machine operators	—	—	—	—	—	—	—	—	—	—
Heat treating equipment operators	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Misc. metal and plastic processing machine operators	—	—	—	—	—	—	—	—	—	—
Woodworking machine operators	13.2	15.2	14.6	16.8	16.1	15.7	13.4	11.9	13.4	12.4
Wood lathe, routing, and planing machine operators	—	—	—	—	—	—	—	—	—	—
Sawing machine operators	9.9	13.8	12.7	13.3	12.2	14.8	11.5	11.9	11.2	10.5
Shaping and joining machine operators	—	—	—	—	—	—	—	—	—	—
Nailing and tacking machine operators	—	—	—	—	—	—	—	—	—	—
Miscellaneous woodworking machine operators	—	—	—	—	—	—	—	—	—	—
Printing machine operators	25.2	20.7	23.8	24.2	26.8	22.9	22.1	25.3	24.8	25.7
Printing press operators	18.2	14.3	17.6	17.3	19.5	13.3	12.7	18.4	16.1	16.5
Photoengravers and lithographers	—	—	—	—	—	—	—	—	—	—
Typesetters and compositors	—	—	—	—	—	—	—	—	—	67.9
Miscellaneous printing machine operators	—	—	—	—	—	—	—	—	—	—
Textile, apparel, and furnishings machine operators	67.6	68.2	68.5	70.9	72.1	72.1	74.0	73.5	74.5	73.8
Winding and twisting machine operators	—	—	—	—	71.7	70.9	66.1	70.1	74.1	76.9
Knitting, looping, taping, and weaving machine operators	—	—	—	—	—	—	—	—	—	—
Textile cutting machine operators	—	—	—	—	—	—	—	—	—	—
Textile sewing machine operators	77.3	73.5	77.6	79.8	82.0	82.0	83.2	85.7	86.1	85.0
Shoe machine operators	—	—	—	—	—	—	—	—	—	—
Pressing machine operators	69.1	73.3	64.0	78.5	81.3	70.6	76.0	65.6	63.0	61.8
Laundering and dry cleaning machine operators	59.3	61.2	56.8	58.2	52.8	58.9	59.4	57.3	59.4	58.4
Miscellaneous textile machine operators	—	—	—	—	—	32.2	44.2	43.1	41.1	40.3
Machine operators, assorted materials	29.5	31.3	32.2	32.6	32.2	31.5	32.1	31.3	31.5	30.3
Cementing and gluing machine operators	—	—	—	—	—	—	—	—	—	—
Packaging and filling machine operators	56.0	61.2	60.3	61.7	60.3	58.7	60.8	55.9	58.7	57.8
Extruding and forming machine operators	—	—	—	—	—	—	—	—	—	—
Mixing and blending machine operators	11.5	13.7	8.0	12.5	9.7	10.2	8.3	9.6	9.8	10.4
Separating, filtering, and clarifying machine operators	10.6	12.7	3.2	15.4	10.9	6.2	5.3	7.5	9.4	13.0
Compressing and compacting machine operators	—	—	—	—	—	—	—	—	—	—
Painting and paint spraying machine operators	13.6	10.1	12.6	13.7	13.7	11.6	10.5	13.4	16.8	12.1
Roasting and baking machine operators, food	—	—	—	—	—	—	—	—	—	—
Washing, cleaning, and pickling machine operators	—	—	—	—	—	—	—	—	—	—
Folding machine operators	—	—	—	—	—	—	—	—	—	—
Furnace, kiln, and oven operators, except food	8.0	8.6	5.7	4.3	3.6	7.8	7.7	6.0	3.0	4.9
Crushing and grinding machine operators	—	—	—	—	—	—	—	20.0	—	—
Slicing and cutting machine operators	23.2	27.4	28.8	27.5	24.5	21.0	27.4	26.7	27.6	28.0
Motion picture projectionists	—	—	—	—	—	—	—	—	—	—
Photographic process machine operators	60.7	62.2	62.1	52.9	58.8	53.8	59.0	55.3	57.0	51.2

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Misc. metal and plastic processing machine operators	—	—	—	—	—	—	—	—	—	—
Woodworking machine operators	13.9	12.1	12.9	13.9	14.5	15.0	17.1	9.9	11.0	11.7
Wood lathe, routing, and planing machine operators	—	—	—	—	—	—	—	—	—	—
Sawing machine operators	12.3	11.2	12.6	11.5	12.4	11.0	13.2	5.4	7.5	7.4
Shaping and joining machine operators	—	—	—	—	—	—	—	—	—	—
Nailing and tacking machine operators	—	—	—	—	—	—	—	—	—	—
Miscellaneous woodworking machine operators	—	—	—	—	—	—	—	—	—	—
Printing machine operators	22.9	26.2	25.9	27.4	26.5	26.9	28.3	27.9	27.3	25.7
Printing press operators	13.5	15.4	14.4	15.1	13.9	14.6	14.4	15.8	16.9	13.7
Photoengravers and lithographers	—	—	—	—	23.6	—	—	—	—	—
Typesetters and compositors	67.3	68.6	67.7	71.2	74.6	72.4	72.2	69.9	67.1	64.5
Miscellaneous printing machine operators	—	—	—	—	—	—	—	—	—	—
Textile, apparel, and furnishings machine operators	75.9	76.4	77.6	78.3	78.0	79.0	79.8	79.8	81.3	82.1
Winding and twisting machine operators	70.4	70.1	73.2	70.1	76.3	72.5	75.6	77.8	78.1	75.3
Knitting, looping, taping, and weaving machine operators	—	70.6	62.0	65.4	—	—	67.9	74.1	—	—
Textile cutting machine operators	—	—	—	—	—	—	—	—	—	—
Textile sewing machine operators	86.7	88.6	88.5	90.5	90.1	91.0	90.6	90.9	93.3	93.9
Shoe machine operators	—	—	—	—	—	—	—	—	75.4	72.7
Pressing machine operators	66.1	63.6	67.6	70.1	65.8	64.5	72.1	68.3	66.2	66.0
Laundering and dry cleaning machine operators	58.4	61.4	65.5	63.2	62.2	64.1	65.8	62.5	63.1	64.6
Miscellaneous textile machine operators	42.2	41.9	41.5	40.5	42.1	45.3	45.7	45.3	44.9	47.5
Machine operators, assorted materials	31.6	33.0	32.4	32.9	33.5	33.9	31.7	32.1	32.2	32.8
Cementing and gluing machine operators	—	—	—	—	—	—	—	—	—	—
Packaging and filling machine operators	59.4	62.1	60.2	61.8	63.5	62.0	60.0	60.0	58.7	63.1
Extruding and forming machine operators	—	—	—	—	—	—	—	—	—	—
Mixing and blending machine operators	9.3	10.2	11.2	8.2	10.8	9.4	7.4	7.3	6.6	8.0
Separating, filtering, and clarifying machine operators	13.1	10.0	11.3	9.7	3.6	9.4	14.3	13.2	6.0	4.8
Compressing and compacting machine operators	—	—	—	—	—	—	—	—	—	—
Painting and paint spraying machine operators	11.8	11.9	12.8	14.5	14.0	12.4	17.4	15.5	14.8	13.5
Roasting and baking machine operators, food	—	—	—	—	—	—	—	—	—	—
Washing, cleaning, and pickling machine operators	—	—	—	—	—	—	—	—	—	—
Folding machine operators	—	—	—	—	—	—	—	—	—	—
Furnace, kiln, and oven operators, except food	4.2	6.3	4.8	4.2	6.9	7.4	3.7	3.8	3.7	3.7
Crushing and grinding machine operators	—	—	—	31.0	—	—	23.6	—	26.3	—
Slicing and cutting machine operators	30.8	28.8	24.9	26.0	28.8	27.1	24.7	25.1	28.4	23.1
Motion picture projectionists	—	—	—	—	—	—	—	—	—	—
Photographic process machine operators	51.7	50.6	51.1	56.0	55.1	55.0	52.7	54.6	51.7	52.7

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Miscellaneous machine operators, n.e.c.	27.3	29.6	30.1	30.2	30.5	29.1	29.6	29.6	28.4	29.4
Machine operators, not specified	31.8	31.1	32.1	34.3	32.8	37.6	35.2	31.7	32.0	28.6
Fabricators, assemblers, and hand working occupations	31.7	31.3	33.8	33.7	33.2	34.3	32.4	29.9	31.5	32.6
Welders and cutters	5.1	3.7	5.0	5.6	5.1	5.6	5.0	4.3	4.3	3.5
Solderers and brazers	—	—	—	—	—	—	—	—	—	—
Assemblers	42.1	41.9	44.7	44.5	43.1	44.5	43.1	38.7	41.0	43.5
Hand cutting and trimming occupations	—	—	—	—	—	—	—	—	—	—
Hand molding, casting, and forming occupations	—	—	—	—	—	—	—	—	—	—
Hand painting, coating, and decorating occupations	—	—	—	—	—	—	—	—	—	—
Hand engraving and printing occupations	—	—	—	—	—	—	—	—	—	—
Hand grinding and polishing occupations (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous hand working occupations	50.0	51.1	59.2	55.2	63.5	60.6	59.6	62.0	64.8	56.0
Production inspectors, testers, samplers, and weighers	49.4	51.3	48.5	48.3	47.9	47.5	50.7	52.0	52.9	52.3
Production inspectors, checkers, and examiners	50.6	53.3	47.9	48.6	49.4	45.7	51.1	53.2	53.7	54.3
Production testers	20.4	32.8	30.8	26.3	21.4	28.4	31.6	33.3	36.2	30.8
Production samplers and weighers	—	—	—	—	—	—	—	—	—	—
Graders and sorters, except agricultural	57.3	52.6	58.4	56.4	51.9	60.1	56.8	55.4	56.8	53.1
Transportation and material moving occupations	10.4	10.4	9.9	9.9	10.2	9.6	9.5	9.5	9.4	9.2
Motor vehicle operators	12.1	12.0	11.4	11.5	11.5	11.3	11.2	11.0	11.0	10.7
Supervisors, motor vehicle operators	25.8	24.7	19.2	22.1	25.0	18.9	17.6	18.4	14.9	17.9
Truck drivers (1992 forward)	4.9	5.2	4.7	4.9	5.2	5.7	5.3	4.5	4.5	4.5
Truck drivers, heavy (through 1991)	—	—	—	—	—	—	—	—	—	—
Truck drivers, light (through 1991)	—	—	—	—	—	—	—	—	—	—
Driver-sales workers	10.5	8.8	10.8	10.6	9.4	10.7	7.7	6.3	10.4	8.4
Bus drivers	48.4	49.0	49.4	51.2	50.5	47.9	46.7	46.4	47.0	45.7
Taxicab drivers and chauffeurs	12.3	12.3	10.8	13.3	10.6	8.5	10.8	10.8	10.4	9.1
Parking lot attendants	15.1	10.2	16.4	13.2	11.3	—	—	14.0	—	—
Motor transportation occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Transportation occupations, except motor vehicle	4.7	2.9	3.3	2.5	4.2	3.4	2.2	2.9	2.3	4.1
Rail transportation occupations	4.5	3.4	3.9	0.9	4.8	3.3	1.7	2.9	1.9	3.7
Railroad conductors and yardmasters	—	—	—	—	2.0	—	—	—	—	—
Locomotive operating occupations	3.7	0.0	1.6	—	—	3.8	—	5.9	—	—
Railroad brake, signal, and switch operators	—	—	—	—	—	—	—	—	—	—
Rail vehicle operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Water transportation occupations	5.2	1.7	1.8	5.3	3.2	3.8	1.4	3.1	1.5	4.8
Ship captains and mates, except fishing boats	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Miscellaneous machine operators, n.e.c.	29.9	29.5	30.2	30.4	30.9	31.9	29.7	30.7	31.2	32.1
Machine operators, not specified	29.9	32.5	30.9	30.5	33.3	34.3	29.8	33.2	30.7	33.7
Fabricators, assemblers, and hand working occupations	33.1	32.8	32.4	33.5	32.9	32.9	32.4	30.8	31.9	33.6
Welders and cutters	4.2	4.2	4.0	6.5	4.9	4.8	5.1	4.8	4.7	5.0
Solderers and brazers	—	—	—	—	62.0	—	—	—	—	—
Assemblers	44.7	44.1	43.3	44.1	44.3	43.9	43.7	41.7	43.8	46.4
Hand cutting and trimming occupations	—	—	—	—	—	—	—	—	—	—
Hand molding, casting, and forming occupations	—	—	—	—	—	—	—	—	—	—
Hand painting, coating, and decorating occupations	—	—	—	—	—	—	—	—	—	—
Hand engraving and printing occupations	—	—	—	—	—	—	—	—	—	—
Hand grinding and polishing occupations (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous hand working occupations	58.4	57.0	59.8	59.2	54.4	50.0	55.0	57.4	50.0	54.8
Production inspectors, testers, samplers, and weighers	53.6	51.9	51.4	52.6	51.6	51.0	49.6	51.3	50.3	53.8
Production inspectors, checkers, and examiners	54.8	53.0	52.1	53.3	52.7	52.6	50.9	52.2	51.1	55.0
Production testers	—	31.0	37.0	36.7	33.3	26.7	24.5	33.3	31.3	37.9
Production samplers and weighers	—	—	—	—	—	—	—	—	—	—
Graders and sorters, except agricultural	56.9	56.4	55.6	57.8	56.3	55.2	56.3	58.5	59.4	58.3
Transportation and material moving occupations	8.7	8.9	8.9	9.2	9.0	8.4	8.9	8.3	8.3	7.8
Motor vehicle operators	10.1	10.5	10.8	11.2	10.7	10.1	10.9	10.2	9.6	9.2
Supervisors, motor vehicle operators	14.9	18.8	18.4	16.5	15.6	13.6	14.8	17.6	—	—
Truck drivers (1992 forward)	4.6	—	—	—	—	—	—	—	—	—
Truck drivers, heavy (through 1991)	—	2.5	2.1	1.9	2.2	2.3	2.1	2.1	2.6	2.1
Truck drivers, light (through 1991)	—	8.7	8.3	8.9	9.1	9.0	10.4	10.6	9.5	7.5
Driver-sales workers	8.7	9.3	9.5	6.3	7.0	6.6	7.4	6.5	5.6	7.5
Bus drivers	41.5	46.5	51.5	54.8	48.4	47.5	50.4	49.2	44.2	45.5
Taxicab drivers and chauffeurs	10.1	11.2	9.4	13.2	12.4	10.8	12.3	10.9	8.4	10.1
Parking lot attendants	—	7.5	11.3	—	—	—	—	—	—	—
Motor transportation occupations, n.e.c.	—	—	—	—	—	—	—	—	—	—
Transportation occupations, except motor vehicle	3.7	2.3	2.9	2.8	2.1	2.1	2.0	1.9	1.5	2.4
Rail transportation occupations	3.7	2.6	3.4	3.1	2.2	1.5	2.1	2.0	0.7	1.9
Railroad conductors and yardmasters	—	—	—	—	—	—	—	—	—	—
Locomotive operating occupations	—	—	—	—	0.0	1.9	1.7	1.7	0.0	1.6
Railroad brake, signal, and switch operators	—	—	—	—	—	—	—	—	—	2.0
Rail vehicle operators, n.e.c.	—	—	—	—	—	—	—	—	—	—
Water transportation occupations	1.9	1.6	1.9	—	1.7	3.4	1.7	1.7	3.8	3.4
Ship captains and mates, except fishing boats	—	—	—	—	—	—	—	—	—	—

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sailors and deckhands	—	—	—	—	—	—	—	—	—	—
Marine engineers	—	—	—	—	—	—	—	—	—	—
Bridge, lock, and lighthouse tenders	—	—	—	—	—	—	—	—	—	—
Material moving equipment operators	4.6	5.1	5.4	5.2	6.2	4.5	4.6	5.1	4.7	4.5
Supervisors, material moving equipment operators	—	—	—	—	—	—	—	—	—	—
Operating engineers	1.1	2.4	1.6	1.7	2.0	1.3	2.4	2.4	1.7	1.0
Longshore equipment operators	—	—	—	—	—	—	—	—	—	—
Hoist and winch operators	—	—	—	—	—	—	—	—	—	—
Crane and tower operators	0.0	2.9	1.4	4.1	6.0	2.4	2.5	3.2	1.5	1.2
Excavating and loading machine operators	0.9	—	3.1	1.9	0.0	1.0	0.0	3.1	0.0	0.0
Grader, dozer, and scraper operators	5.8	1.7	5.8	4.1	2.7	1.5	3.4	1.4	2.3	2.4
Industrial truck and tractor equipment operators	7.1	6.7	6.9	7.2	9.0	7.2	6.3	7.0	6.8	7.1
Miscellaneous material moving equipment operators	9.9	14.7	13.3	7.5	12.7	8.2	10.0	10.0	11.3	12.5
Handlers, equipment cleaners, helpers, and laborers	20.9	20.5	19.8	20.5	20.2	20.3	19.3	19.1	18.1	18.0
Supervisors, handlers, equipment cleaners, and laborers	—	—	—	—	—	—	—	—	—	—
Helpers, mechanics and repairers	—	—	—	—	—	—	—	—	—	—
Helpers, construction and extractive occupations	6.5	4.1	5.6	5.4	3.2	4.9	5.2	4.3	3.5	1.7
Helpers, construction trades	6.1	4.5	4.3	5.0	3.3	4.3	5.7	3.6	2.8	1.8
Helpers, surveyor	—	—	—	—	—	—	—	—	—	—
Helpers, extractive occupations	—	—	—	—	—	—	—	—	—	—
Construction laborers	3.9	3.7	3.7	4.1	4.5	4.6	3.8	3.3	3.6	3.4
Production helpers	24.1	24.1	23.4	25.8	24.1	16.7	—	23.8	20.9	—
Freight, stock, and material handlers	25.4	24.2	22.4	24.3	23.7	24.5	23.0	22.1	20.2	20.4
Garbage collectors	—	5.4	3.6	9.1	—	—	—	—	2.0	3.6
Stevedores	—	—	—	—	—	—	—	—	—	—
Stock handlers and baggers	33.8	31.2	30.1	31.0	29.7	30.4	28.8	28.2	25.9	26.5
Machine feeders and offbearers	50.0	38.1	30.1	41.8	39.0	47.4	48.6	45.9	34.9	40.5
Freight, stock, and material handlers, n.e.c.	11.9	13.6	11.6	12.9	13.4	14.5	13.3	12.2	11.1	10.2
Garage and service station related occupations	8.8	7.4	7.5	3.6	3.9	9.6	5.9	5.1	5.4	6.4
Vehicle washers and equipment cleaners	10.5	14.0	13.7	13.2	9.8	11.4	10.4	14.4	12.0	12.7
Hand packers and packagers	60.2	64.9	62.6	61.3	63.4	58.0	57.3	58.9	60.8	57.8
Laborers, except construction	21.9	20.9	20.8	21.5	21.7	21.3	20.2	20.6	18.1	16.8
Farming, forestry, and fishing occupations	20.6	20.5	20.4	19.7	19.1	19.3	19.0	19.9	19.3	15.2
Farm operators and managers	24.5	25.4	25.5	24.7	23.1	23.2	23.1	25.3	25.3	14.3
Farmers (through 1993)	—	—	—	—	—	—	—	—	—	14.4

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sailors and deckhands	—	—	—	—	—	—	—	—	—	—
Marine engineers	—	—	—	—	—	—	—	—	—	—
Bridge, lock, and lighthouse tenders	—	—	—	—	—	—	—	—	—	—
Material moving equipment operators	4.5	4.3	3.9	3.9	4.1	3.8	3.6	3.2	5.6	4.7
Supervisors, material moving equipment operators	—	—	—	—	—	—	—	—	—	—
Operating engineers	1.0	0.9	0.9	1.4	1.4	0.5	1.3	1.3	1.4	0.7
Longshore equipment operators	—	—	—	—	—	—	—	—	—	—
Hoist and winch operators	—	—	—	—	—	—	—	—	—	—
Crane and tower operators	2.6	2.5	1.1	1.0	1.1	2.5	1.2	1.1	2.1	1.1
Excavating and loading machine operators	0.9	1.0	0.9	0.8	0.9	0.9	0.0	0.9	1.1	1.0
Grader, dozer, and scraper operators	1.1	1.2	1.0	1.0	1.1	1.1	1.9	1.0	1.7	0.0
Industrial truck and tractor equipment operators	6.5	7.0	5.5	5.5	5.8	5.1	4.9	3.0	5.3	5.7
Miscellaneous material moving equipment operators	13.8	9.6	13.8	12.7	14.1	12.2	10.4	12.8	17.9	15.5
Handlers, equipment cleaners, helpers, and laborers	17.8	17.3	17.5	17.9	17.2	17.1	16.3	16.8	16.6	16.8
Supervisors, handlers, equipment cleaners, and laborers	—	—	—	—	—	—	—	—	—	—
Helpers, mechanics and repairers	—	—	—	—	—	—	—	—	—	—
Helpers, construction and extractive occupations	3.2	2.3	5.6	4.5	3.8	5.3	4.5	3.6	2.7	3.0
Helpers, construction trades	3.5	2.5	5.3	4.1	4.3	5.1	5.0	4.0	2.9	2.6
Helpers, surveyor	—	—	—	—	—	—	—	—	—	—
Helpers, extractive occupations	—	—	—	—	—	—	—	—	—	—
Construction laborers	3.1	3.2	3.0	3.0	3.4	3.3	2.8	3.1	2.5	2.2
Production helpers	20.4	18.3	17.9	26.8	25.0	21.1	24.3	25.9	18.3	24.0
Freight, stock, and material handlers	18.4	17.7	18.8	17.3	17.5	16.9	15.8	16.1	15.9	15.4
Garbage collectors	—	—	2.0	4.0	—	1.7	3.2	1.6	—	1.6
Stevedores	—	—	—	—	—	—	—	—	—	—
Stock handlers and baggers	24.1	22.6	24.5	23.1	22.8	22.9	21.0	22.0	21.2	20.7
Machine feeders and offbearers	36.3	36.9	37.1	31.9	33.6	36.2	35.1	32.3	32.6	31.8
Freight, stock, and material handlers, n.e.c.	9.6	9.8	10.0	9.1	9.4	8.0	7.9	7.3	6.6	6.3
Garage and service station related occupations	5.0	5.6	4.4	5.7	6.1	7.0	5.9	6.7	8.6	4.4
Vehicle washers and equipment cleaners	13.0	12.2	13.2	12.8	14.2	15.4	15.0	12.4	13.6	14.9
Hand packers and packagers	62.3	63.1	61.2	64.2	65.4	64.7	64.2	65.5	67.5	66.8
Laborers, except construction	18.0	18.9	18.6	20.4	18.6	18.3	17.6	18.0	18.2	19.4
Farming, forestry, and fishing occupations	15.8	15.9	15.8	16.5	16.4	15.8	15.9	15.9	15.6	16.0
Farm operators and managers	15.5	16.4	15.8	15.4	15.0	14.9	14.1	13.9	12.5	12.1
Farmers (through 1993)	15.8	16.3	15.5	15.3	15.2	15.1	14.1	14.1	12.5	12.1

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

(Numbers in thousands)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Farmers, except horticultural (1994 forward)	25.5	26.7	27.4	26.7	25.1	24.8	24.3	27.1	26.8	—
Horticultural specialty farmers (1994 forward)	13.2	13.7	12.7	10.8	7.2	8.9	—	13.2	10.0	—
Farm managers (through 1993)	—	—	—	—	—	—	—	—	—	13.1
Farm managers, except horticultural (1994 forward)	22.5	24.6	22.5	20.5	18.8	17.2	20.9	15.5	19.1	—
Managers, horticultural specialty farms (1994 forward)	—	—	—	—	—	—	—	—	—	—
Other agricultural and related occupations	19.3	18.6	18.5	18.1	17.7	17.9	17.5	17.5	16.1	16.8
Farm occupations, except managerial	21.4	21.1	19.2	20.2	17.9	19.4	19.4	18.6	17.3	20.1
Supervisors, farm workers	—	—	—	26.4	—	—	—	—	—	—
Farm workers	20.9	20.4	18.4	18.6	17.1	19.0	18.8	18.1	16.6	19.5
Marine life cultivation workers	—	—	—	—	—	—	—	—	—	—
Nursery workers	—	—	—	—	—	—	—	—	—	—
Related agricultural occupations	18.0	17.1	18.0	16.7	17.6	16.8	16.0	16.6	15.2	14.0
Supervisors, related agricultural occupations	8.0	6.5	9.1	9.8	9.9	3.3	4.8	4.8	4.0	2.8
Groundskeepers and gardeners, except farm	7.8	7.5	7.2	6.9	7.3	6.9	6.1	6.4	5.9	5.5
Animal caretakers, except farm	68.2	71.0	70.3	75.8	69.2	69.8	69.9	67.2	61.0	65.7
Graders and sorters, agricultural products	67.6	60.4	67.1	74.1	75.4	68.9	61.9	72.1	73.8	68.6
Inspectors, agricultural products	—	—	—	—	—	—	—	—	—	—
Forestry and logging occupations	7.1	7.8	8.2	6.5	6.6	4.6	3.7	3.9	6.8	6.0
Supervisors, forestry and logging occupations	—	—	—	—	—	—	—	—	—	—
Forestry workers, except logging	—	—	—	—	—	—	—	—	—	—
Timber cutting and logging occupations	1.9	1.9	4.5	1.5	3.3	2.5	1.3	1.0	1.2	1.1
Fishers, hunters, and trappers	—	—	11.5	6.0	3.8	—	—	6.9	5.8	4.9
Captains and other officers, fishing vessels	—	—	—	—	—	—	—	—	—	—
Fishers	—	—	—	—	—	—	—	—	—	3.9
Hunters and trappers	—	—	—	—	—	—	—	—	—	—

NOTE: Dashes indicate data are not available.

Data are not shown where base is less than 50,000.

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)

WOMEN AS A PERCENT OF TOTAL EMPLOYED Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Farmers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Horticultural specialty farmers (1994 forward)	—	—	—	—	—	—	—	—	—	—
Farm managers (through 1993)	13.0	17.6	17.9	16.0	13.5	13.9	13.8	11.3	12.6	11.1
Farm managers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Managers, horticultural specialty farms (1994 forward)	—	—	—	—	—	—	—	—	—	—
Other agricultural and related occupations	16.8	16.4	16.8	18.1	18.2	17.1	18.2	18.3	18.9	19.9
Farm occupations, except managerial	21.4	21.6	21.2	22.9	23.5	22.4	24.0	23.6	23.7	24.4
Supervisors, farm workers	—	—	—	—	—	—	—	—	—	—
Farm workers	21.0	21.0	20.5	22.8	23.3	21.7	23.6	23.4	24.1	24.8
Marine life cultivation workers	—	—	—	—	—	—	—	—	—	—
Nursery workers	—	—	—	—	—	—	—	—	—	—
Related agricultural occupations	12.8	11.7	12.9	13.5	12.5	11.6	11.7	11.9	12.1	13.6
Supervisors, related agricultural occupations	4.9	6.2	7.5	5.5	5.3	4.2	6.7	4.2	4.8	5.1
Groundskeepers and gardeners, except farm	5.8	5.3	5.5	6.1	5.2	5.5	5.3	5.7	7.1	6.8
Animal caretakers, except farm	65.3	64.8	63.0	65.4	63.4	62.2	65.3	57.8	55.3	59.8
Graders and sorters, agricultural products	—	—	—	—	—	—	—	—	—	—
Inspectors, agricultural products	—	—	—	—	—	—	—	—	—	—
Forestry and logging occupations	5.4	5.3	5.3	5.9	4.3	5.8	4.5	4.0	2.9	1.6
Supervisors, forestry and logging occupations	—	—	—	—	—	—	—	—	—	—
Forestry workers, except logging	—	—	—	—	—	—	—	—	—	—
Timber cutting and logging occupations	1.3	2.5	2.0	1.2	0.0	1.4	1.3	1.3	2.4	0.0
Fishers, hunters, and trappers	3.3	3.4	4.7	6.8	7.1	9.6	9.1	4.9	3.7	3.8
Captains and other officers, fishing vessels	—	—	—	—	—	—	—	—	—	—
Fishers	3.9	3.9	3.8	—	—	9.7	11.1	5.9	—	—
Hunters and trappers	—	—	—	—	—	—	—	—	—	—

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Data are not shown where base is less than 50,000.

Data for 2000-2002 were revised to incorporate population control

n.e.c. = not elsewhere classified

SOURCE: Current Population Survey, Bureau of Labor Statistics