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Table 1.1 Employment by major occupational group, 2016 and projected 2026 (Numbers in thousands)

		Emplo	yment	Change,	2016-26	Median annual wage,
2016 National Employment Matrix title and code		2016	2026	Number	Percent	2016 ⁽¹⁾
Total, all occupations	00-0000	156,063.8	167,582.3	11,518.6	7.4	\$37,040
Management occupations	11-0000	9,533.1	10,411.5	878.3	9.2	\$100,790
Business and financial operations occupations	13-0000	8,066.8	8,817.3	750.4	9.3	\$66,530
Computer and mathematical occupations	15-0000	4,419.0	5,015.3	596.3	13.5	\$82,830
Architecture and engineering occupations	17-0000	2,601.0	2,794.2	193.2	7.4	\$77,900
Life, physical, and social science occupations	19-0000	1,299.5	1,422.4	122.9	9.5	\$63,340
Community and social service occupations	21-0000	2,570.7	2,917.9	347.2	13.5	\$42,990
Legal occupations	23-0000	1,283.3	1,409.1	125.8	9.8	\$79,650
Education, training, and library occupations	25-0000	9,426.5	10,303.4	876.8	9.3	\$48,000
Arts, design, entertainment, sports, and media occupations	27-0000	2,772.9	2,946.5	173.6	6.3	\$47,190
Healthcare practitioners and technical occupations	29-0000	8,751.5	10,082.4	1,330.9	15.2	\$63,420
Healthcare support occupations	31-0000	4,315.6	5,315.5	999.9	23.2	\$27,910
Protective service occupations	33-0000	3,505.6	3,663.8	158.2	4.5	\$38,660
Food preparation and serving related occupations	35-0000	13,206.1	14,438.3	1,232.2	9.3	\$20,810
Building and grounds cleaning and maintenance						
occupations	37-0000	5,654.1	6,147.3	493.2	8.7	\$24,700
Personal care and service occupations	39-0000	6,419.7	7,589.0	1,169.2	18.2	\$22,710
Sales and related occupations	41-0000	15,747.8	16,255.2	507.4	3.2	\$26,590
Office and administrative support occupations	43-0000	23,081.2	23,230.6	149.4	0.6	\$34,050
Farming, fishing, and forestry occupations	45-0000	1,060.1	1,060.6	0.5	0.0	\$23,510
Construction and extraction occupations	47-0000	6,812.5	7,570.8	758.4	11.1	\$43,610
Installation, maintenance, and repair occupations	49-0000	5,905.4	6,301.5	396.1	6.7	\$43,440
Production occupations	51-0000	9,356.9	8,971.6	-385.3	-4.1	\$33,130
Transportation and material moving occupations	53-0000	10,274.2	10,918.1	643.9	6.3	\$30,730

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers. Source: Employment Projections program, U.S. Bureau of Labor Statistics

Table 1.3 Fastest growing occupations, 2016 and projected 2026 (Numbers in thousands)

		Emplo	yment	Change,	2016-26	Median annual
2016 National Employment Matrix title and c	ode	2016	2026	Number	Percent	wage, 2016 ⁽¹⁾
Total, all occupations	00-0000	156,063.8	167,582.3	11,518.6	7.4	\$37,04
Solar photovoltaic installers	47-2231	11.3	23.2	11.9	105.3	\$39,24
Wind turbine service technicians	49-9081	5.8	11.3	5.5	96.1	\$52,26
Home health aides	31-1011	911.5	1,337.0	425.6	46.7	\$22,60
Personal care aides	39-9021	2,016.1	2,770.1	754.0	37.4	\$21,92
Physician assistants	29-1071	106.2	145.9	39.7	37.4	\$101,48
Nurse practitioners	29-1171	155.5	211.5	56.0	36.0	\$100,91
Statisticians	15-2041	37.2	49.6	12.4	33.4	\$80,50
Physical therapist assistants	31-2021	88.3	115.5	27.2	30.8	\$56,61
Software developers, applications	15-1132	831.3	1,084.6	253.4	30.5	\$100,08
Mathematicians	15-2021	3.1	4.0	0.9	29.4	\$105,81
Bicycle repairers	49-3091	12.4	16.1	3.7	29.4	\$27,63
Medical assistants	31-9092	634.4	819.0	184.6	29.1	\$31,54
Physical therapist aides	31-2022	52.0	67.1	15.1	29.1	\$25,68
Occupational therapy assistants	31-2011	39.3	50.7	11.4	28.9	\$59,01
Information security analysts	15-1122	100.0	128.5	28.4	28.4	\$92,60
Genetic counselors	29-9092	3.1	3.9	0.9	28.3	\$74,12
Operations research analysts	15-2031	114.0	145.3	31.3	27.4	\$79,20
Forest fire inspectors and prevention specialists	33-2022	1.7	2.2	0.5	26.6	\$36,23
Health specialties teachers, postsecondary	25-1071	233.5	294.0	60.5	25.9	\$99,36
Derrick operators, oil and gas	47-5011	11.1	13.9	2.8	25.7	\$48,13
Physical therapists	29-1123	239.8	299.8	60.0	25.0	\$85,40
Occupational therapy aides	31-2012	7.5	9.3	1.8	24.7	\$28,33
Roustabouts, oil and gas	47-5071	50.0	62.3	12.2	24.5	\$37,34
Phlebotomists	31-9097	122.7	152.6	30.0	24.4	\$32,71
Rotary drill operators, oil and gas	47-5012	16.7	20.8	4.0	24.2	\$54,43
Nursing instructors and teachers, postsecondary	25-1072	67.9	84.2	16.3	24.0	\$69,13
Massage therapists	31-9011	160.3	198.1	37.7	23.5	\$39,86
Service unit operators, oil, gas, and mining	47-5013	41.4	51.1	9.7	23.4	\$48,61
Respiratory therapists	29-1126	130.2	160.6	30.4	23.4	\$58,67
Diagnostic medical sonographers	29-2032	67.3	82.9	15.6		\$69,65

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and Source: Employment Projections program, U.S. Bureau of Labor Statistics

Table 1.4 Occupations with the most job growth, 2016 and projected 2026 (Numbers in thousands)

		Emplo	yment	Change,	2016-26	Median annual
2016 National Employment Matrix title and code		2016	2026	Number	Percent	wage, 2016 ⁽¹⁾
Total, all occupations	00-0000	156,063.8	167,582.3	11,518.6	7.4	\$37,040
Personal care aides	39-9021	2,016.1	2,770.1	754.0	37.4	\$21,920
Combined food preparation and serving workers, including						
fast food	35-3021	3,452.2	4,032.1	579.9	16.8	\$19,440
Registered nurses	29-1141	2,955.2	3,392.2	437.0	14.8	\$68,450
Home health aides	31-1011	911.5	1,337.0	425.6	46.7	\$22,600
Software developers, applications	15-1132	831.3	1,084.6	253.4	30.5	\$100,080
Janitors and cleaners, except maids and housekeeping						
cleaners	37-2011	2,384.6	2,617.7	233.0	9.8	\$24,190
General and operations managers	11-1021	2,263.1	2,469.0	205.9	9.1	\$99,310
Laborers and freight, stock, and material movers, hand	53-7062	2,628.4	2,829.2	200.8	7.6	\$25,980
Medical assistants	31-9092	634.4	819.0	184.6	29.1	\$31,540
Waiters and waitresses	35-3031	2,600.5	2,783.0	182.5	7.0	\$19,990
Nursing assistants	31-1014	1,510.3	1,674.4	164.0	10.9	\$26,590
Construction laborers	47-2061	1,216.7	1,370.0	153.3	12.6	\$33,430
Cooks, restaurant	35-2014	1,231.9	1,377.2	145.3	11.8	\$24,140
Accountants and auditors	13-2011	1,397.7	1,538.0	140.3	10.0	\$68,150
Customer service representatives	43-4051	2,784.5	2,920.5	136.0	4.9	\$32,300
Market research analysts and marketing specialists	13-1161	595.4	731.4	136.0	22.8	\$62,560
Medical secretaries	43-6013	574.2	703.2	129.1	22.5	\$33,730
Landscaping and groundskeeping workers	37-3011	1,197.9	1,321.2	123.3	10.3	\$26,320
Heavy and tractor-trailer truck drivers	53-3032	1,871.7	1,985.5	113.8	6.1	\$41,340
Maintenance and repair workers, general	49-9071	1,432.6	1,545.3	112.7	7.9	\$36,940
Teacher assistants	25-9041	1,308.1	1,417.6	109.5	8.4	\$25,410
Financial managers	11-3031	580.4	688.8	108.4	18.7	\$121,750
Elementary school teachers, except special education	25-2021	1,410.9	1,514.9	104.1	7.4	\$55,800
Stock clerks and order fillers	43-5081	2,008.6	2,109.9	101.3	5.0	\$23,840
Management analysts	13-1111	806.4	902.8	96.5	12.0	\$81,330
Receptionists and information clerks	43-4171	1,053.7	1,149.4	95.7	9.1	\$27,920
Sales representatives, services, all other	41-3099	983.0	1,077.2	94.2	9.6	\$52,490
Teachers and instructors, all other	25-3099	993.9	1,086.4	92.5	9.3	\$30,110
Business operations specialists, all other	13-1199	1,023.9	1,114.1	90.2	8.8	\$69,040
Licensed practical and licensed vocational nurses	29-2061	724.5		88.6	12.2	\$44,090

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers.

Source: Employment Projections program, U.S. Bureau of Labor Statistics

Table 1.5 Fastest declining occupations, 2016 and projected 2026 (Numbers in thousands)

		Emplo	yment	Change,	2016-26	Median annual	
2016 National Employment Matrix title and co	de	2016	2026	Number	Percent	wage, 2016 ⁽¹⁾	
Total, all occupations	00-0000	156,063.8	167,582.3	11,518.6	7.4	\$37,040	
Locomotive firers	53-4012	1.2		-0.9	-78.6	\$58,230	
Respiratory therapy technicians	29-2054	10.8	4.7	-6.1	-56.3	\$49,780	
Parking enforcement workers	33-3041	9.4	6.1	-3.3	-35.3	\$37,950	
Word processors and typists	43-9022	74.9	49.9	-25.0	-33.4	\$38,740	
Watch repairers	49-9064	1.8	1.3	-0.5	-28.7	\$36,740	
Electronic equipment installers and repairers, motor							
vehicles	49-2096	12.1	9.0	-3.0	-25.2	\$32,220	
Foundry mold and coremakers	51-4071	12.5	9.5	-3.0	-24.0	\$34,790	
Pourers and casters, metal	51-4052	8.4	6.5	-2.0	-23.4	\$36,180	
Computer operators	43-9011	51.5	39.7	-11.8	-22.9	\$42,270	
Telephone operators	43-2021	9.1	7.0	-2.0	-22.6	\$37,000	
Mine shuttle car operators	53-7111	1.5	1.2	-0.3	-21.9	\$56,450	
Electromechanical equipment assemblers	51-2023	45.7	36.0	-9.7	-21.3	\$33,350	
Data entry keyers	43-9021	203.8	160.8	-43.1	-21.1	\$30,100	
Postmasters and mail superintendents	11-9131	14.2	11.2	-3.0	-20.9	\$71,670	
Electrical and electronic equipment assemblers	51-2022	218.9	173.6	-45.3	-20.7	\$31,310	
Coil winders, tapers, and finishers	51-2021	14.1	11.2	-2.9	-20.6	\$33,940	
Grinding and polishing workers, hand	51-9022	26.6	21.1	-5.4	-20.5	\$28,720	
Timing device assemblers and adjusters	51-2093	0.8	0.6	-0.2	-19.9	\$37,040	
Switchboard operators, including answering service	43-2011	93.2	74.7	-18.5	-19.9	\$28,030	
Drilling and boring machine tool setters, operators,							
and tenders, metal and plastic	51-4032	12.3	9.9	-2.4	-19.4	\$36,410	
Milling and planing machine setters, operators, and							
tenders, metal and plastic	51-4035	17.6	14.2	-3.4	-19.3	\$39,840	
Forging machine setters, operators, and tenders,							
metal and plastic	51-4022	19.2	15.5	-3.7	-19.2	\$36,930	
Legal secretaries	43-6012	194.7	157.5	-37.1	-19.1	\$44,180	
Prepress technicians and workers	51-5111	34.6	28.0	-6.6	-19.0	\$38,930	
Photographic process workers and processing							
machine operators	51-9151	26.9	21.9	-4.9	-18.4	\$26,470	
Textile knitting and weaving machine setters,							
operators, and tenders	51-6063	22.2	18.1	-4.1	-18.3	\$27,470	
Aircraft structure, surfaces, rigging, and systems							
assemblers	51-2011	41.8	34.5	-7.3	-17.4	\$50,050	
Executive secretaries and executive administrative							
assistants	43-6011	685.3	566.2	-119.1	-17.4	\$55,860	
Engine and other machine assemblers	51-2031	38.0	31.5	-6.5	-17.2	\$41,210	
Textile bleaching and dyeing machine operators and							
tenders	51-6061	11.3	9.4	-1.9	-17.0	\$27,270	

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers. Source: Employment Projections program, U.S. Bureau of Labor Statistics

Table 1.6 Occupations with the largest job declines, 2016 and projected 2026 (Numbers in thousands)

		Emplo	yment	Change,	2016-26	Median annual
2016 National Employment Matrix title and	code	2016	2026	Number	Percent	wage, 2016 ⁽¹⁾
otal, all occupations	00-0000	156,063.8	167,582.3	11,518.6	7.4	\$37,040
Secretaries and administrative assistants,						
except legal, medical, and executive	43-6014	2,536.2	2,371.4	-164.8	-6.5	\$34,82
Team assemblers	51-2092	1,130.9	987.9	-143.0	-12.6	\$30,060
Executive secretaries and executive						
administrative assistants	43-6011	685.3	566.2	-119.1	-17.4	\$55,86
Inspectors, testers, sorters, samplers, and						
weighers	51-9061	520.7	465.2	-55.5	-10.7	\$36,78
Electrical and electronic equipment						
assemblers	51-2022	218.9	173.6	-45.3	-20.7	\$31,31
Data entry keyers	43-9021	203.8	160.8		-21.1	\$30,10
Tellers	43-3071	502.7	460.9	-41.7	-8.3	\$27,26
Postal service mail carriers	43-5052	316.7	278.5	-38.2	-12.1	\$58,11
Legal secretaries	43-6012	194.7	157.5	-37.1	-19.1	\$44,18
Correctional officers and jailers	33-3012	450.0	415.5	-34.5	-7.7	\$42,82
Assemblers and fabricators, all other	51-2099	232.4	200.3	-32.2	-13.8	\$28,55
Office clerks, general	43-9061	3,117.7	3,085.7	-32.1	-1.0	\$30,58
Cashiers	41-2011	3,555.5	3,526.0	-29.5	-0.8	\$20,18
Cooks, fast food	35-2011	517.6	490.5	-27.1	-5.2	\$19,86
Word processors and typists	43-9022	74.9	49.9	-25.0	-33.4	\$38,74
Bookkeeping, accounting, and auditing clerks	43-3031	1,730.5	1,706.9	-23.5	-1.4	\$38,39
Computer programmers	15-1131	294.9	272.3	-22.6	-7.6	\$79,84
Sewing machine operators	51-6031	153.9	132.0	-21.9	-14.2	\$23,67
Molding, coremaking, and casting machine						
setters, operators, and tenders, metal and						
plastic	51-4072	145.4	123.6	-21.8	-15.0	\$30,48
Switchboard operators, including answering						
service	43-2011	93.2	74.7	-18.5	-19.9	\$28,03
Telecommunications equipment installers and						•
repairers, except line installers	49-2022	237.6	219.6	-17.9	-7.6	\$53,64
Postal service mail sorters, processors, and						•
processing machine operators	43-5053	106.7	89.1	-17.5	-16.5	\$56,22
Purchasing agents, except wholesale, retail,						· · · · ·
and farm products	13-1023	309.4	292.1	-17.3	-5.6	\$63,30
·						, , , , , , , ,
Cutting, punching, and press machine setters,						
operators, and tenders, metal and plastic	51-4031	192.7	175.9	-16.8	-8.7	\$32,37
Printing press operators	51-5112	178.7	162.0	-16.8	-9.4	\$35,53
File clerks	43-4071	135.0	121.1	-13.9	-10.3	\$29,09
Photographers	27-4021	147.3	134.9	-12.4	-8.4	\$34,07
Computer operators	43-9011	51.5	39.7	-11.8	-22.9	\$42,27
Structural metal fabricators and fitters	51-2041	77.0	65.2	-11.8	-15.3	\$37,73
Extruding and drawing machine setters,					3.0	+ - ·)· ·
operators, and tenders, metal and plastic						\$33,87

Source: Employment Projections program, U.S. Bureau of Labor Statistics

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers.

Table 1.7 Occupational projections, 2016-26, and worker characteristics, 2016 (Numbers in thousands)

(Numbers in thousands)		1	1		_		1			ī	1		7
2016 National Employment Matrix title and code		Occupation type	Emplo 2016	yment 2026	Change	oyment , 2016-26 Percent	Percent self employed, 2016	Occupational openings, 2016-26 annual average	Median annua wage, 2016 ⁽¹⁾	Typical education needed for entry	Work experience in a related occupation	Typical on-the- job training needed to attain competency in the occupation	
Fotal, all occupations	00-0000	Summary	156,063.8	167,582.3	11,518.6	7.4	6.1	18,740.3	\$ 37,040	_	_	_	1
Management occupations		Summary	9,533.1	10,411.5	878.3	9.2	19.8	851.2	\$ 100,790	_	_	_	
Top executives	11-1000	Summary	2,627.5	2,826.6	199.1	7.6	3.2	235.3	\$ 102,320	_	_	_	
Chief executives	11-1011	Line item	308.9	298.2	-10.7	-3.5	22.8	20.1	\$ 181,210	Bachelor's degree	5 years or more	None	
General and operations managers	11-1021	Line item	2,263.1	2,469.0	205.9	9.1	0.6	210.8	\$ 99,310	Bachelor's degree	5 years or more	None	
Legislators		Line item	55.5	59.4	3.9	7.1		4.4		Bachelor's degree	Less than 5 years	None	
managers		Summary	708.6	768.2	59.6	8.4	3.3				_	_	
Advertising and promotions managers		Line item	31.3	33.1	1.8	5.8	5.2			Bachelor's degree	Less than 5 years	None	
Marketing and sales managers		Summary	603.8	654.0	50.2	8.3	3.6			_	_	—	4
Marketing managers		Line item	218.3	240.1	21.8	10.0	3.5			Bachelor's degree	5 years or more	None	4
Sales managers		Line item	385.5	413.9	28.4	7.4	3.6			Bachelor's degree	Less than 5 years	None	_
Public relations and fundraising managers		Line item	73.5	81.1	7.7 208.6	10.4	1.4	6.9		Bachelor's degree	5 years or more	None	4
Operations specialties managers Administrative services managers		Summary Line item	1,776.1 281.7	1,984.8 310.1	28.4	11.7 10.1	0.2			Bachelor's degree	Less than 5 years	— None	1
Computer and information systems managers		Line item	367.6	411.4	43.8	11.9	0.2			Bachelor's degree	5 years or more	None	1
Financial managers		Line item	580.4	688.8	108.4	18.7	2.6			Bachelor's degree	5 years or more	None	1
Industrial production managers		Line item	170.6	170.3	-0.3	-0.2	1.4			Bachelor's degree	5 years or more	None	-
Purchasing managers		Line item	73.9	78.0	4.1	5.6				Bachelor's degree	5 years or more	None	
Transportation, storage, and distribution managers		Line item	115.5	123.3	7.7		1.1	9.7		High school diploma		None	
Compensation and benefits managers		Line item	15.8	16.6	0.8	5.0		1.2		Bachelor's degree	5 years or more	None	
Human resources managers		Line item	136.1	148.3	12.2	8.9				Bachelor's degree	5 years or more	None	
Training and development managers	11-3131	Line item	34.5	38.1	3.6	10.3	_	3.5			5 years or more	None	
Other management occupations	11-9000	Summary	4,421.0	4,832.0	411.0	9.3	39.7	387.8				_	
Farmers, ranchers, and other agricultural managers	11-9013	Line item	1,028.7	1,097.4	68.7	6.7	72.5	84.8	\$ 66,360	High school diploma	5 years or more	None	
Construction managers	11-9021	Line item	403.8	449.9	46.1	11.4	37.8	33.4	\$ 89,300	Bachelor's degree	None	Moderate-term or	n-the-job traini
Education administrators	11-9030	Summary	531.6	579.9	48.2	9.1	2.0	45.7		_	_	_	
center/program		Line item	61.8	68.3	6.5	10.6	4.6			Bachelor's degree	Less than 5 years	None	
school		Line item	251.3	271.0	19.7	7.8				Master's degree	5 years or more	None	
Education administrators, postsecondary		Line item	180.1	198.1	18.0	10.0	2.5			Master's degree	Less than 5 years	None	4
Education administrators, all other		Line item	38.4	42.4			3.0			Bachelor's degree	Less than 5 years	None	4
Architectural and engineering managers		Line item	180.1	190.0	9.9	5.5		13.6		Bachelor's degree	5 years or more	None	_
Food service managers		Line item	308.7	336.0	27.3	8.8	34.0	36.7		High school diploma		None	
Funeral service managers Gaming managers		Line item Line item	25.7 4.5	27.4 4.6		6.4 2.5	66.6 3.0	2.0 0.5		Associate's degree High school diploma	Less than 5 years	None None	4
Lodging managers		Line item	4.5	50.6	2.8	5.9		5.1		High school diploma		None	-
Medical and health services managers		Line item	352.2	422.0	69.8	19.8	2.6			Bachelor's degree	Less than 5 years	None	-
Natural sciences managers		Line item	56.7	62.3	5.6			5.2		Bachelor's degree	5 years or more	None	-
Postmasters and mail superintendents		Line item	14.2	11.2	-3.0	-20.9	_	0.6		High school diploma		Moderate-term or	⊒ n-the-iob train
Property, real estate, and community association managers		Line item	317.3	351.3	34.0	10.7	41.6	28.4		High school diploma		None	7
Social and community service managers		Line item	147.3	170.4	23.1	15.7	5.8			Bachelor's degree	Less than 5 years	None	
Emergency management directors		Line item	10.1	10.9	0.8	7.7	_	0.9		Bachelor's degree	5 years or more	None	1
Managers, all other		Line item	992.1	1,068.0	75.8	7.6	56.7	78.7		Bachelor's degree	Less than 5 years	None]
Business and financial operations occupations		Summary	8,066.8	8,817.3	750.4	9.3	5.5		\$ 66,530		_		
Business operations specialists		Summary	5,080.8	5,534.7	453.9	8.9	4.3			_	_	_	_
athletes		Line item	19.1	20.0	0.9					Bachelor's degree	Less than 5 years	None	1
Buyers and purchasing agents		Summary	446.5	426.0	-20.5	-4.6				_	_		1
Buyers and purchasing agents, farm products		Line item	13.7	12.9	-0.8	-5.9	4.9			Bachelor's degree	None	Moderate-term or	
Wholesale and retail buyers, except farm products		Line item	123.3	121.0		-1.9				Bachelor's degree	None	Moderate-term or	
products		Line item	309.4	292.1	-17.3			23.8		Bachelor's degree	None	Moderate-term or	n-the-job train
Claims adjusters, appraisers, examiners, and investigators		Summary	328.7	325.1	-3.7		1.7						<u>.</u>
Claims adjusters, examiners, and investigators		Line item	311.1	306.6						High school diploma		Long-term on-the	
Insurance appraisers, auto damage		Line item	17.6	18.5	0.9		2.0			Postsecondary none		Moderate-term or	
Compliance officers		Line item Line item	288.3 217.9	312.0 240.9		8.2 10.6				Bachelor's degree		Moderate-term or	
Cost estimators Human resources workers		Summary	631.8	664.5	23.0 32.6					Bachelor's degree	INOTIE	Moderate-term or	ı-ırıe-jod train T
Human resources workers Human resources specialists		Line item	547.8	586.4		5.2 7.1	0.9			Bachelor's degree	None	— None	1
Farm labor contractors		Line item	3.0	3.2				0.3		No formal education		Short-term on-the	L e-iob training
Labor relations specialists		Line item	81.1	74.8			1.0			Bachelor's degree	Less than 5 years	None	7
Logisticians		Line item	148.7	159.0		6.9		15.6		Bachelor's degree		None	1
Management analysts		Line item	806.4	902.8		12.0	17.4			Bachelor's degree		None	1
<u> </u>		Line item	116.7	128.5	11.8	10.2	9.5					None	1
Meeting, convention, and event planners	13-1121												

Compensation, benefits, and job analysis specialists	13-1141 I	l ine item	84.2	91.3	7.2	8.5	0.2	7.7 \$	62 080	Bachelor's degree	Less than 5 years	None	l
Training and development specialists	13-1141 I		282.8	315.3	32.5	11.5	1.2	31.7 \$		Bachelor's degree	Less than 5 years Less than 5 years	None	
Market research analysts and marketing specialists	13-1161 I		595.4	731.4	136.0	22.8	3.6	76.7 \$		Bachelor's degree	None	None	
Business operations specialists, all other	13-1199 I		1,023.9	1,114.1	90.2	8.8	0.6	104.2 \$		Bachelor's degree	None	None	
Financial specialists		Summary	2,986.0	3,282.6	296.6	9.9	7.5	289.4 \$	68,780	_	_	_	
Accountants and auditors	13-2011 I	Line item	1,397.7	1,538.0	140.3	10.0	6.7	141.8 \$	68,150	Bachelor's degree	None	None	
Appraisers and assessors of real estate	13-2021 I	Line item	80.8	92.4	11.6	14.4	22.6	6.7 \$		Bachelor's degree	None	Long-term on-the-	job training
Budget analysts		Line item	58.4	62.2	3.8	6.5	_	4.8 \$		Bachelor's degree	None	None	
Credit analysts	13-2041 I		73.8	79.9	6.2	8.4	_	6.8 \$		Bachelor's degree	None	None	
Financial analysts and advisors		Summary	672.0	738.0	65.9	9.8	10.8	61.9 \$	80,940		_	_	
Financial analysts		Line item	296.1	328.2	32.1	10.8	2.1	29.0 \$		Bachelor's degree	None	None	
Personal financial advisors	13-2052 I		271.9	311.2	39.3	14.4	24.3	25.4 \$		Bachelor's degree	None	Long-term on-the-	
Insurance underwriters	13-2053 I		104.1	98.6	-5.4	-5.2	_	7.5 \$		Bachelor's degree	None	Moderate-term on	
Financial examiners	13-2061 I		52.5	57.6	5.1	9.8	0.9	4.6 \$		Bachelor's degree	None	Long-term on-the-	job training
Credit counselors and loan officers		Summary	357.0 38.3	398.8	41.8 5.3	11.7 13.9	2.6 2.1	34.3 \$	61,030	Bachelor's degree	NI	Madanata tana an	41 !-1-4-
Credit counselors Loan officers	13-2071 I		38.3	43.7 355.1	36.5	11.5	2.1	3.8 \$ 30.5 \$			None None	Moderate-term on Moderate-term on	
	13-2072 I	Summary	158.0	168.0	10.0	6.3	14.3	15.7 \$	45,300	Bachelor's degree	None	woderate-term on	-me-job m I
agents Tax examiners and collectors, and revenue agents		Line item	62.1	61.7	-0.4	-0.6	14.3	4.2 \$		Bachelor's degree	None	Moderate-term on	 -tho-ioh tr
Tax examiners and collectors, and revenue agents Tax preparers		Line item	95.9	106.3	10.4	10.8	23.6	11.5 \$		High school diploma		Moderate-term on	
Financial specialists, all other	13-2099 I		135.9	147.8	11.9	8.7	5.0	12.9 \$		Bachelor's degree	None	Moderate-term on	
Computer and mathematical occupations	15-0000		4,419.0	5,015.3	596.3	13.5	2.6	365.3 \$	82,830		_	—	line job in
Computer occupations	15-1100		4,238.4	4,784.5	546.1	12.9	2.7	347.5 \$	82,860	_		_	
Computer and information research scientists	15-1111 I	,	27.9	33.2	5.4	19.2		2.5 \$		Master's degree	None	None	
Computer and information analysts	15-1120		700.5	782.0	81.5	11.6	1.9	55.2 \$	87,960			_	
Computer systems analysts	15-1121 I		600.5	653.5	53.0	8.8	2.2	44.8 \$		Bachelor's degree	None	None	
Information security analysts	15-1122 I		100.0	128.5	28.4	28.4	0.4	10.4 \$		Bachelor's degree	Less than 5 years	None	
Software developers and programmers	15-1130		1,714.0	2,012.3	298.2	17.4	4.0	147.7 \$	95,830	_		_	
Computer programmers	15-1131 I	Line item	294.9	272.3	-22.6	-7.6	5.4	15.4 \$	79,840	Bachelor's degree	None	None	
Software developers, applications	15-1132 I	Line item	831.3	1,084.6	253.4	30.5	2.1	85.5 \$	100,080	Bachelor's degree	None	None	
Software developers, systems software	15-1133 I	Line item	425.0	471.0	46.1	10.8	2.2	32.7 \$	106,860	Bachelor's degree	None	None	
Web developers	15-1134 I		162.9	184.2	21.3	13.1	16.2	14.2 \$		Associate's degree	None	None	
architects	15-1140	,	673.4	721.4	48.0	7.1	0.3	47.9 \$	84,970	_	_	_	
Database administrators	15-1141 I		119.5	133.2	13.7	11.5	0.1	9.3 \$		Bachelor's degree	None	None	
Network and computer systems administrators	15-1142 I		391.3	415.2	23.9	6.1	0.2	27.0 \$		Bachelor's degree	None	None	
Computer network architects	15-1143 I		162.7	173.1	10.4	6.4	0.9	11.7 \$		Bachelor's degree	5 years or more	None	
Computer support specialists	15-1150		835.3	922.5	87.1	10.4	2.0	71.8 \$	52,160			-	
Computer user support specialists	15-1151 I		636.6	707.6	71.1	11.2	1.9	55.4 \$		Some college, no de		None	
Computer network support specialists	15-1152 I		198.8	214.8	16.1	8.1	2.0	16.5 \$		Associate's degree	None	None	
Computer occupations, all other	15-1199 I	Summary	287.2 180.7	313.1 230.9	25.9 50.2	9.0 27.8	4.6 0.8	22.3 \$ 17.8 \$	81,750	Bachelor's degree	None	None	
Mathematical science occupations Actuaries	15-2000 k	,	23.6	28.9	5.3	22.5	1.4	2.1 \$		Bachelor's degree	None	L ong torm on the	iob trainin
Mathematicians	15-2011 I		3.1	4.0	0.9	29.4	1.4	0.3 \$		Master's degree	None	Long-term on-the- None	jub trairiii
Operations research analysts	15-2021 I		114.0	145.3	31.3	27.4	-	10.7 \$		Bachelor's degree	None	None	
Statisticians	15-2031 I		37.2	49.6	12.4	33.4	2.6	4.4 \$		Master's degree	None	None	
Miscellaneous mathematical science occupations		Summary	2.8	3.1	0.3	10.0	2.2	0.2 \$	60,290		_	_	
Mathematical technicians	15-2091 I		0.6	0.6	0.0	7.5		0.0 \$		Bachelor's degree	None	None	
Mathematical science occupations, all other	15-2099 I		2.2	2.4	0.2	10.7	_	0.2 \$		Bachelor's degree	None	None	
Architecture and engineering occupations	17-0000		2,601.0	2,794.2	193.2	7.4	2.7	210.0 \$	77,900		_	_	
Architects, surveyors, and cartographers	17-1000	,	210.9	225.0	14.1	6.7	15.3	16.6 \$	70,010	_	_	_	
Architects, except naval	17-1010		153.5	160.2	6.7	4.3	20.1	11.6 \$	74,850	_	_	_	
Architects, except landscape and naval	17-1011 I	Line item	128.8	133.9	5.1	4.0	20.2	9.7 \$	76,930	Bachelor's degree	None	Internship/residend	CV
Landscape architects	17-1012 I	Line item	24.7	26.2	1.5	6.2	19.6	1.9 \$		Bachelor's degree	None	Internship/residend	
Surveyors, cartographers, and photogrammetrists	17-1020	Summary	57.4	64.8	7.4	13.0	2.2	5.0 \$	60,200	_	_	_	ľ
Cartographers and photogrammetrists	17-1021 I	Line item	12.6	15.0	2.4	19.4	1.5	1.2 \$	62,750	Bachelor's degree	None	None	
_	47 4000 1	Line item	44.8	49.8	5.0	11.2	2.4	3.8 \$	59,390	Bachelor's degree	None	Internship/residend	су
Surveyors	17-1022					0.0			91,010			I	
Surveyors Engineers	17-1022		1,681.0	1,819.7	138.7		1.5	126.6 \$	91,010				
Engineers Aerospace engineers	17-2000 S	Summary Line item	69.6	73.8	4.2	6.1	_	4.6 \$	109,650	Bachelor's degree	None	None	
Engineers Aerospace engineers Agricultural engineers	17-2000 \$ 17-2011 I 17-2021 I	Summary Line item Line item	69.6 2.7	73.8 2.9	4.2 0.2	6.1 8.1	1.5 — 2.8	4.6 \$ 0.2 \$	109,650 73,640	Bachelor's degree Bachelor's degree	None	None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers	17-2000 \$ 17-2011 17-2021 17-2031	Summary Line item Line item Line item	69.6 2.7 21.3	73.8 2.9 22.8	4.2 0.2 1.5	6.1 8.1 7.2	 2.8 	4.6 \$ 0.2 \$ 1.6 \$	109,650 73,640 85,620	Bachelor's degree Bachelor's degree Bachelor's degree	None None	None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers	17-2000 \$ 17-2011 17-2021 17-2031 17-2041	Summary Line item Line item Line item Line item	69.6 2.7 21.3 32.7	73.8 2.9 22.8 35.2	4.2 0.2 1.5 2.5	6.1 8.1 7.2 7.6		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$	109,650 73,640 85,620 98,340	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None None	None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers	17-2000 \$ 17-2011 17-2021 17-2031 17-2041 17-2051	Summary Line item Line item Line item Line item Line item Line item	69.6 2.7 21.3 32.7 303.5	73.8 2.9 22.8 35.2 335.7	4.2 0.2 1.5 2.5 32.1	6.1 8.1 7.2 7.6 10.6		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$	109,650 73,640 85,620 98,340 83,540	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None None None	None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061	Summary Line item	69.6 2.7 21.3 32.7 303.5 73.6	73.8 2.9 22.8 35.2 335.7 77.6	4.2 0.2 1.5 2.5 32.1 4.0	6.1 8.1 7.2 7.6 10.6 5.5	 2.8 1.3 3.4 	4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$	109,650 73,640 85,620 98,340 83,540 115,080	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None None None	None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2070 17-2070	Summary Line item Summary	69.6 2.7 21.3 32.7 303.5 73.6 324.6	73.8 2.9 22.8 35.2 335.7 77.6 345.8	4.2 0.2 1.5 2.5 32.1 4.0 21.2	6.1 8.1 7.2 7.6 10.6 5.5 6.5		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$	109,650 73,640 85,620 98,340 83,540 115,080 96,270	Bachelor's degree	None None None None None	None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electrical engineers	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2071 17-2071	Summary Line item Summary Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5	4.2 0.2 1.5 2.5 32.1 4.0 21.2	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6	2.8 - 1.3 3.4 - 1.2 1.3	4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$	109,650 73,640 85,620 98,340 83,540 115,080 96,270 94,210	Bachelor's degree	None None None None None None None None	None None None None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electroical engineers Electronics engineers	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2071 17-2072	Summary Line item Summary Line item Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3 136.3	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5 141.3	4.2 0.2 1.5 2.5 32.1 4.0 21.2 16.2 5.1	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6 3.7		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$ 9.2 \$	109,650 73,640 85,620 98,340 83,540 115,080 96,270 94,210 99,210	Bachelor's degree	None None None None None None None None	None None None None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electrical engineers Electronics engineers Electronics engineers Electronics engineers Enectronics engineers Enectronics engineers	17-2000 17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 17-2071 17-2072 17-2081 17-208	Summary Line item Line item Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3 136.3 53.8	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5 141.3 58.3	4.2 0.2 1.5 2.5 32.1 4.0 21.2 16.2 5.1 4.4	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6 3.7 8.3		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$ 9.2 \$ 4.0 \$	109,650 73,640 85,620 98,340 83,540 115,080 96,270 94,210 99,210 84,890	Bachelor's degree	None None None None None None None None	None None None None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electrical engineers Electronics engineers Electronics engineers Electronics engineers Industrial engineers, including health and safety	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2071 17-2072 17-2081 17-2110 (17-2110 17-2110 (17-2110 17-2011	Summary Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3 136.3 53.8 283.8	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5 141.3 58.3 311.2	4.2 0.2 1.5 2.5 32.1 4.0 21.2 16.2 5.1 4.4 27.3	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6 3.7 8.3 9.6		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$ 9.2 \$ 4.0 \$ 21.6 \$	109,650 73,640 85,620 98,340 83,540 115,080 96,270 94,210 99,210 84,890 84,510	Bachelor's degree	None None None None None None None None	None None None None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Chemical engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electrical engineers Electronics engineers Electronics engineers Industrial engineers, except computer Environmental engineers Industrial engineers, including health and safety engineers and inspectors	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2071 17-2072 17-2081 17-2110 (17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2111 17-2011 17-2111 17-2111 17-2011 17-2111 17-2011 17-2011 17-2111 17-2011	Summary Line item Summary Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3 136.3 53.8 283.8 25.9	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5 141.3 58.3 311.2 28.1	4.2 0.2 1.5 2.5 32.1 4.0 21.2 16.2 5.1 4.4 27.3	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6 3.7 8.3 9.6		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$ 9.2 \$ 4.0 \$ 21.6 \$ 1.9 \$	109,650 73,640 85,620 98,340 115,080 96,270 94,210 99,210 84,890 84,510 86,720	Bachelor's degree	None None None None None None None None	None None None None None None None None	
Engineers Aerospace engineers Agricultural engineers Biomedical engineers Chemical engineers Civil engineers Civil engineers Computer hardware engineers Electrical and electronics engineers Electrical engineers Electronics engineers Electronics engineers Electronics engineers Industrial engineers Industrial engineers, including health and safety	17-2000 (17-2011 17-2021 17-2031 17-2041 17-2051 17-2061 17-2070 (17-2071 17-2072 17-2081 17-2110 (17-2110 17-2110 (17-2110 17-2011	Summary Line item Summary Line item	69.6 2.7 21.3 32.7 303.5 73.6 324.6 188.3 136.3 53.8 283.8	73.8 2.9 22.8 35.2 335.7 77.6 345.8 204.5 141.3 58.3 311.2	4.2 0.2 1.5 2.5 32.1 4.0 21.2 16.2 5.1 4.4 27.3	6.1 8.1 7.2 7.6 10.6 5.5 6.5 8.6 3.7 8.3 9.6 8.6		4.6 \$ 0.2 \$ 1.6 \$ 2.4 \$ 25.9 \$ 5.1 \$ 23.1 \$ 13.9 \$ 9.2 \$ 4.0 \$ 21.6 \$	109,650 73,640 85,620 98,340 115,080 96,270 94,210 99,210 84,890 84,510 86,720 84,310	Bachelor's degree	None None None None None None None None	None None None None None None None None	

	Tree and the second									T	T	1
Mechanical engineers	17-2141 Line item	288.8	314.1	25.3	8.8	0.5	21.2		Bachelor's degree	None	None	
engineers	17-2151 Line item	7.3	7.9	0.5	7.2	5.8	0.6	\$ 93,720	Bachelor's degree	None	None	
Nuclear engineers	17-2161 Line item	17.7	18.4	0.7	3.8	-	1.4	\$ 102,220	Bachelor's degree	None	None	
Petroleum engineers	17-2171 Line item	33.7	38.6	4.9	14.5	3.6	2.8	\$ 128,230	Bachelor's degree	None	None	
Engineers, all other	17-2199 Line item	132.5	140.8	8.2	6.2	4.3	9.5		Bachelor's degree	None	None	1
Drafters, engineering technicians, and mapping technicians	17-3000 Summary	709.2	749.6	40.4	5.7	1.7	66.8		_	_	_	
Drafters		207.7	222.2	14.5	7.0	1.7	19.4					
	17-3010 Summary									_	_	
Architectural and civil drafters	17-3011 Line item	99.6	107.7	8.0		1.7	9.5		Associate's degree	None	None	
Electrical and electronics drafters	17-3012 Line item	27.4	29.2	1.8		1.7	2.5		Associate's degree	None	None	
Mechanical drafters	17-3013 Line item	64.8	68.1	3.3	5.1	1.8	5.9	\$ 54,480	Associate's degree	None	None	
Drafters, all other	17-3019 Line item	15.9	17.2	1.3	7.9	1.7	1.5	\$ 50,470	Associate's degree	None	None	
Engineering technicians, except drafters	17-3020 Summary	441.3	460.9	19.6	4.4	0.7		\$ 57,310				
Aerospace engineering and operations technicians	17-3020 Cummary	12.1	12.9	0.8		0.8	1.1		Associate's degree	None	None	
												-
Civil engineering technicians	17-3022 Line item	74.5	81.1	6.6	8.8	0.4	7.2		Associate's degree	None	None	
Electrical and electronics engineering technicians	17-3023 Line item	137.0	139.8	2.8	2.0	0.7	12.0	\$ 62,190	Associate's degree	None	None	
Electro-mechanical technicians	17-3024 Line item	13.8	14.3	0.5	3.5	0.8	1.2	\$ 55,610	Associate's degree	None	None	
Environmental engineering technicians	17-3025 Line item	17.0	19.1	2.2	12.9	0.7	1.7	\$ 49.170	Associate's degree	None	None	
Industrial engineering technicians	17-3026 Line item	63.9	64.3	0.4	0.6	0.8	5.5		Associate's degree	None	None	1
Mechanical engineering technicians	17-3027 Line item	46.1	48.4	2.3	5.0	0.8	4.2		Associate's degree	None	None	1
												-
Engineering technicians, except drafters, all other	17-3029 Line item	76.8	80.8	4.0	5.2	0.6	7.1		Associate's degree	None	None]
Surveying and mapping technicians	17-3031 Line item	60.2	66.6	6.4	10.6	9.1	7.2		High school diploma	None	Moderate-term on	the-job training
Life, physical, and social science occupations	19-0000 Summary	1,299.5	1,422.4	122.9	9.5	4.9	132.5	\$ 63,340	_	<u> </u>	_	
Life scientists	19-1000 Summary	325.4	357.8	32.4	10.0	2.6	32.4	\$ 71,950	_	_	_	
Agricultural and food scientists	19-1010 Summary	43.0	46.2	3.2	7.4	6.9	4.7			_	_	
	19-1011 Line item	6.1	6.4	0.4	6.0	3.2	0.7		Pacholaria dogran	None	None	
Animal scientists	+ + + + + + + + + + + + + + + + + + + +								Bachelor's degree			
Food scientists and technologists	19-1012 Line item	17.0	18.0	1.0		9.6	1.8		Bachelor's degree	None	None	
Soil and plant scientists	19-1013 Line item	19.9	21.7	1.8		5.8	2.2		Bachelor's degree	None	None]
Biological scientists	19-1020 Summary	112.8	122.7	9.9	8.8	2.0	11.0	\$ 71,890	_	<u> </u>	_	
Biochemists and biophysicists	19-1021 Line item	31.5	35.0	3.6	11.3	3.1	3.2	\$ 82.180	Doctoral or profession	None	None	
Microbiologists	19-1022 Line item	23.2	25.1	1.9		2.5	2.2		Bachelor's degree	None	None	
	19-1022 Line item	19.4	20.8	1.5		0.9	1.8		Bachelor's degree		None	
Zoologists and wildlife biologists	+ + + + + + + + + + + + + + + + + + + +									None		
Biological scientists, all other	19-1029 Line item	38.7	41.8	3.1	7.9	1.3	3.7		Bachelor's degree	None	None	
Conservation scientists and foresters	19-1030 Summary	34.6	36.6	2.1	6.0	2.0	3.1		_	_	_]
Conservation scientists	19-1031 Line item	22.3	23.8	1.5	6.5	1.9	2.0	\$ 61,810	Bachelor's degree	None	None	
Foresters	19-1032 Line item	12.3	12.9	0.6	5.2	2.2	1.1	\$ 58,700	Bachelor's degree	None	None	
Medical scientists	19-1040 Summary	126.1	142.5	16.4	13.0	2.0	12.7	\$ 79,730	_			
Epidemiologists	19-1041 Line item	6.1	6.6	0.5	8.7	1.0	0.6		Master's degree	None	None	
	+ + + + + + + + + + + + + + + + + + + +											
Medical scientists, except epidemiologists	19-1042 Line item	120.0	135.9	15.9	13.2	2.1	12.1		Doctoral or profession		None	
Life scientists, all other	19-1099 Line item	8.9	9.7	0.8	9.0	1.5	0.8		Bachelor's degree	None	None	
Physical scientists	19-2000 Summary	278.2	305.1	26.8	9.6	1.7	27.9	\$ 77,790	 -	—	_	
Astronomers and physicists	19-2010 Summary	19.9	22.7	2.8	14.0	_	1.9	\$ 114,870	_	_	_	
Astronomers	19-2011 Line item	2.0	2.2	0.2	10.0	_	0.2		Doctoral or profession	None	None	
Physicists	19-2012 Line item	17.9	20.5	2.6	14.5	_	1.7	•	Doctoral or profession	None	None	
Atmospheric and space scientists	19-2021 Line item	10.4	11.7	1.3	12.0		0.9		Bachelor's degree	None	None	
Chemists and materials scientists	19-2030 Summary	96.2	102.5	6.3	6.5	_	9.4	\$ 75,420	_	_	_	
Chemists	19-2031 Line item	88.3	94.0	5.7	6.5	_	8.6	\$ 73,740	Bachelor's degree	None	None	
Materials scientists	19-2032 Line item	7.9	8.5	0.6	7.1	_	0.8	\$ 99,430	Bachelor's degree	None	None	
Environmental scientists and geoscientists	19-2040 Summary	128.2	143.2	15.0	11.7	2.0	13.8					
Environmental scientists and specialists, including health	19-2041 Line item	89.5	99.3	9.9		1.8	9.5		Bachelor's degree	None	None	
												4
Geoscientists, except hydrologists and geographers	19-2042 Line item	32.0	36.5	4.5	13.9	2.7	3.5		Bachelor's degree	None	None	
Hydrologists	19-2043 Line item	6.7	7.4	0.7	9.9	1.4	0.7		Bachelor's degree	None	None	
Physical scientists, all other	19-2099 Line item	23.5	25.0	1.5	6.4	9.3	2.0	\$ 96,070	Bachelor's degree	None	None	
Social scientists and related workers	19-3000 Summary	303.8	335.6	31.8	10.5	15.4	26.4	\$ 75,280	_	_	_	
Economists	19-3011 Line item	21.3	22.5	1.3	6.0	3.6	1.6		Master's degree	None	None	
Survey researchers	19-3022 Line item	14.6	14.7	0.1	0.9	14.2	1.3		Master's degree	None	None	1
									iviasiei s degree	None	None	
Psychologists	19-3030 Summary	166.6	189.2	22.6	13.6	23.9	13.5					1
Clinical, counseling, and school psychologists	19-3031 Line item	147.5	168.4	20.9	14.2	24.4	12.1	\$ 73,270	Doctoral or profession	None	Internship/residen	су
Industrial-organizational psychologists	19-3032 Line item	1.7	1.8	0.1	5.6	37.2	0.1	\$ 82,760	Master's degree	None	Internship/residen	су
Psychologists, all other	19-3039 Line item	17.4	19.0	1.6	9.1	18.3	1.3	\$ 95,710	Master's degree	None	Internship/residen	су
Sociologists	19-3041 Line item	3.5		0.0		10.9	0.3		Master's degree	None	None	1
Urban and regional planners	19-3051 Line item	36.0		4.6		- 10.5	3.5		Master's degree	None	None	1
										INOTIE	INOTIE	1
Miscellaneous social scientists and related workers	19-3090 Summary	61.9		3.2	5.1	6.3	6.0			<u> </u>		1
Anthropologists and archeologists	19-3091 Line item	7.6		0.3	3.3	11.0	0.7		Master's degree	None	None	1
Geographers	19-3092 Line item	1.5		0.1	6.2	4.9	0.2	\$ 74,260	Bachelor's degree	None	None]
Historians	19-3093 Line item	3.3	3.5	0.2	5.4	5.4	0.3	\$ 55,110	Master's degree	None	None	I
Political scientists	19-3094 Line item	7.3	7.4	0.2	2.1	6.7	0.7		Master's degree	None	None	1
Social scientists and related workers, all other	19-3099 Line item	42.1	44.6	2.5		5.5	4.1		Bachelor's degree	None	None	1
										110110	110110	1
Life, physical, and social science technicians	19-4000 Summary	392.1	424.0	31.9	8.1	1.0	45.9				_	1
Agricultural and food science technicians	19-4011 Line item	27.5	29.2	1.7	6.3		3.0		Associate's degree		Moderate-term on	-tne-job training
Biological technicians	19-4021 Line item	82.1	90.4	8.4	10.2		8.9	\$ 42,520	Bachelor's degree	None	None]
Chemical technicians	19-4031 Line item	67.3	69.9	2.7	3.9	1.5	6.6	\$ 45,840	Associate's degree	None	Moderate-term or	-the-job training
Geological and petroleum technicians	19-4041 Line item	15.0		2.5		_	1.9		Associate's degree		Moderate-term on	
20010giodi dila politicali toolililolalio				2.0	10.7		1.5	÷ 00,470				o joo training

Nuclear technicians	10 4054	Line item	6.0	6.0	0.0	0.6	2.0	0.0	70.140	Associate's degree	None	Madarata tarm an	the ich training
Nuclear technicians Social science research assistants	19-4051 19-4061	Line item Line item	6.9 34.0	6.9 35.4	0.0 1.4	0.6 4.1		0.8 \$ 4.1 \$	-, -	Bachelor's degree	None None	Moderate-term on None	-tne-job training
Miscellaneous life, physical, and social science technicians	19-4090	Summary	159.3	174.6	15.3	9.6		20.7				None	1
including health	19-4091	Line item	34.6	38.8	4.1	11.9		4.6		Associate's degree	None	None	•
Forensic science technicians	19-4091		15.4	18.0	2.6	16.8		2.2 \$		Bachelor's degree	None	Moderate-term on	I s-the-ioh training
Forest and conservation technicians	19-4093	Line item	33.2	34.5	1.3	3.8		4.0 \$			None	None	1
Life, physical, and social science technicians, all other		Line item	76.1	83.4	7.3	9.6		9.9 \$			None	None	1
Community and social service occupations	21-0000		2,570.7	2,917.9	347.2	13.5	2.6	327.0 \$	42,990	—	_	_	1
service specialists	21-1000		2,126.4	2,439.1	312.7	14.7	2.9	270.7 \$			_	_	1
Counselors	21-1010		744.5	853.5	109.1	14.7	5.7	92.5 \$		_	_	_	1
Substance abuse and behavioral disorder counselors	21-1011	Line item	102.4	122.8	20.4	19.9	7.8	13.5 \$		Bachelor's degree	None	None	1
Educational, guidance, school, and vocational counselors	21-1012	Line item	291.7	324.7	33.0	11.3	3.0	34.8 \$		Master's degree	None	None	1
Marriage and family therapists	21-1013	Line item	41.5	49.9	8.4	20.2	7.5	5.5 \$	49,170	Master's degree	None	Internship/residen	cv
Mental health counselors	21-1014	Line item	157.7	188.9	31.2	19.8	8.0	20.8 \$	42,840	Master's degree	None	Internship/residen	су
Rehabilitation counselors	21-1015	Line item	119.3	130.9	11.6	9.7	6.9	13.9 \$	34,670	Master's degree	None	None	
Counselors, all other	21-1019	Line item	31.8	36.3	4.5	14.3	5.5	3.9 \$	44,350	Master's degree	None	None	
Social workers	21-1020	Summary	682.1	784.2	102.1	15.0	2.4	83.2 \$		_	_	_	
Child, family, and school social workers	21-1021	Line item	317.6	359.7	42.1	13.3	2.0	37.9	43,250	Bachelor's degree	None	None	
Healthcare social workers	21-1022	Line item	176.5	209.3	32.7	18.5	3.3	22.5 \$	53,760	Master's degree	None	Internship/residen	cy
Mental health and substance abuse social workers	21-1023	Line item	123.9	146.1	22.2	17.9		15.7 \$		Master's degree	None	Internship/residen	cy
Social workers, all other	21-1029		64.0	69.0	5.0	7.9		7.1 \$		Bachelor's degree	None	None]
Miscellaneous community and social service specialists	21-1090		699.9	801.5	101.6	14.5	0.4	95.0 \$	36,970	_	_	-	1
Health educators	21-1091	Line item	61.0	69.9	8.8	14.5	_	8.7 \$		Bachelor's degree	None	None]
Probation officers and correctional treatment specialists	21-1092		91.3	96.5	5.2	5.7	_	8.3 \$		Bachelor's degree	None	Short-term on-the-	
Social and human service assistants	21-1093		389.8	453.7	63.9	16.4		55.4 \$		High school diploma		Short-term on-the	
Community health workers	21-1094		57.5	67.8	10.4	18.1	_	8.5 \$		High school diploma		Short-term on-the-	job training
Community and social service specialists, all other	21-1099		100.3	113.5	13.2	13.2	_	14.1 \$		Bachelor's degree	None	None	4
Religious workers	21-2000		444.2	478.7	34.5	7.8		56.3 \$	42,220		.]
Clergy	21-2011	Line item	243.9	263.6	19.6	8.0		29.2 \$		Bachelor's degree	None	Moderate-term on	-the-job training
Directors, religious activities and education	21-2021	Line item	147.1	157.8	10.8	7.3		19.4 \$		Bachelor's degree	Less than 5 years	None	4
Religious workers, all other	21-2099		53.2	57.3	4.1	7.7		7.7 \$		Bachelor's degree	None	None	4
Legal occupations		Summary	1,283.3	1,409.1	125.8	9.8 9.2		91.9 \$	-,		_		
Lawyers, judges, and related workers	23-1000		858.2	936.9	78.7	9.2		45.2 \$ 42.7 \$	-,	_	_	_	
Lawyers and judicial law clerks Lawyers	23-1010 23-1011	Summary Line item	806.5 792.5	882.2 867.4	75.6 74.8	9.4		42.7 \$ 41.9 \$		Doctoral or profession	- None	— None	
Judicial law clerks	23-1011	Line item	14.0	14.8	0.8	5.5		0.8 \$	51,760			None	1
Judges, magistrates, and other judicial workers	23-1012		51.7	54.7	3.1	6.0		2.5		Doctoral of profession	ivone	None	1
officers	23-1020		15.4	16.0	0.6	4.0		0.7		Doctoral or profession	E veers or more	Short-term on-the	ioh training
Arbitrators, mediators, and conciliators	23-1021		7.8	8.7	0.0	11.3		0.4 \$		Bachelor's degree	Less than 5 years	Moderate-term on	
Judges, magistrate judges, and magistrates	23-1023		28.4	30.0	1.6	5.6		1.4 \$				Short-term on-the	
Legal support workers		Summary	425.1	472.2	47.1	11.1	5.2	46.7 \$		—	_	—	1
Paralegals and legal assistants	23-2011	Line item	285.6	327.4	41.8	14.6		34.7 \$		Associate's degree	None	None	1
Miscellaneous legal support workers	23-2090		139.5	144.7	5.3	3.8		12.0 \$			—	_	1
Court reporters	23-2091	Line item	19.6	20.3	0.6	3.3		1.7 \$		Postsecondary nonc	None	Short-term on-the	iob training
Title examiners, abstractors, and searchers	23-2093	Line item	69.0	71.7	2.8	4.0		6.0 \$		High school diploma		Moderate-term on	
Legal support workers, all other		Line item	50.9	52.7	1.8	3.6		4.4 \$		Associate's degree		None]
Education, training, and library occupations	25-0000		9,426.5	10,303.4	876.8	9.3		916.7 \$		_	_	_	1
Postsecondary teachers	25-1000		1,871.4	2,107.9	236.6	12.6		172.4 \$		_	_	_	1
Business teachers, postsecondary	25-1011	Line item	104.2	123.0	18.9	18.1	0.3	10.4 \$	77,490	Doctoral or profession	None	None	1
Math and computer teachers, postsecondary	25-1020		100.6	109.4	8.8	8.8		8.7 \$		<u> </u>	<u> </u>	_	
Computer science teachers, postsecondary	25-1021	Line item	39.7	42.8	3.2	8.0	0.3	3.4 \$	77,570	Doctoral or profession	None	None]
Mathematical science teachers, postsecondary	25-1022	Line item	60.9	66.6	5.6	9.2	0.2	5.3 \$	69,520	Doctoral or profession	None	None	
Engineering and architecture teachers, postsecondary	25-1030		57.1	65.0	7.9	13.9		5.4 \$	94,720	_	_]
Architecture teachers, postsecondary	25-1031	Line item	9.5	10.5	1.0	10.6		0.8 \$		Doctoral or profession		None]
Engineering teachers, postsecondary		Line item	47.6	54.6	6.9	14.5	0.2	4.5 \$		Doctoral or profession	None	None]
Life sciences teachers, postsecondary		Summary	77.1	87.6	10.5	13.7					_	_	1
Agricultural sciences teachers, postsecondary	25-1041	Line item	12.6	13.6	0.9			1.1 \$	91,580	Doctoral or profession	None	None	
Biological science teachers, postsecondary		Line item	62.3	71.7	9.4	15.1		6.0 \$		Doctoral or profession		None	1
postsecondary		Line item	2.2	2.3	0.2	7.7		0.2 \$		Doctoral or profession	None	None	1
Physical sciences teachers, postsecondary		Summary	64.0	70.2	6.3	9.8		5.6 \$			_	<u> -</u>	1
teachers, postsecondary		Line item	13.1	14.4	1.3	9.5		1.2 \$		Doctoral or profession		None	1
Chemistry teachers, postsecondary		Line item	26.3	28.9	2.6	9.9		2.3 \$		Doctoral or profession		None	1
Environmental science teachers, postsecondary		Line item	6.9	7.6	0.7	9.6		0.6 \$		Doctoral or profession		None	1
Physics teachers, postsecondary		Line item	17.6	19.4	1.8	10.0		1.6 \$		Doctoral or profession	None	None	4
Social sciences teachers, postsecondary		Summary	141.3	158.0	16.7	11.8		12.9 \$			<u> </u>	<u></u>	1
Anthropology and archeology teachers, postsecondary	105 4004	Line item	7.1	7.8	0.7	10.0		0.6 \$		Doctoral or profession		None	1
			1		1 2	10.5	_	1.0 \$	73,020	Doctoral or profession	1None	None	
Area, ethnic, and cultural studies teachers, postsecondary	25-1062	Line item	11.5	12.7	1.2								₹
Economics teachers, postsecondary	25-1062 25-1063	Line item Line item	16.5	18.2	1.8	10.6	0.3	1.5 \$	95,770	Doctoral or profession	None	None	1
Economics teachers, postsecondary Geography teachers, postsecondary	25-1062 25-1063 25-1064	Line item Line item Line item	16.5 5.0	18.2 5.4	1.8 0.4	10.6 8.4	0.3 —	1.5 \$ 0.4 \$	95,770 76,810	Doctoral or profession	None None	None None]
Economics teachers, postsecondary Geography teachers, postsecondary Political science teachers, postsecondary	25-1062 25-1063 25-1064 25-1065	Line item Line item Line item Line item	16.5 5.0 21.2	18.2 5.4 23.4	1.8 0.4 2.2	10.6 8.4 10.5	0.3 — 0.3	1.5 \$ 0.4 \$ 1.9 \$	95,770 76,810 79,210	Doctoral or profession	None None None	None None None	
Economics teachers, postsecondary Geography teachers, postsecondary	25-1062 25-1063 25-1064 25-1065 25-1066	Line item Line item Line item	16.5 5.0	18.2 5.4	1.8 0.4	10.6 8.4	0.3 — 0.3 0.3	1.5 \$ 0.4 \$	95,770 76,810 79,210 73,140	Doctoral or profession	None None None None	None None	

Social ecianose teachers, poeteccondary, all other	05 4005	12	1	1		40.01		مام،	70 - 1-	D	Ixr	Tat	
		Line item	15.3	16.8	1.5	10.0	_	1.3 \$		Doctoral or profession	None	None	
		Summary	301.4	378.2	76.8	25.5	0.3	33.1 \$	87,900	_			
		Line item	233.5	294.0	60.5	25.9	0.3	25.8 \$		Doctoral or profession		None	
		Line item	67.9	84.2	16.3	24.0	0.3	7.3 \$,	Doctoral or profession	Less than 5 years	None	
		Summary	80.5	88.7	8.2	10.2	0.3	7.1 \$	63,040	<u> </u>		-	
		Line item	74.5	82.2	7.7	10.3	0.3	6.6 \$		Doctoral or profession		None	
		Line item	6.0	6.5	0.5	9.0	_	0.5 \$		Doctoral or profession	None	None	
		Summary	53.4	59.6	6.2	11.7	0.3	4.8 \$	71,490		_	_	
, ,		Line item	17.3	19.4	2.2	12.5		1.6 \$,	Doctoral or profession		None	
- 1		Line item	21.2	23.8	2.6	12.2	0.5	1.9 \$		Doctoral or profession		None	
		Line item	14.9	16.3	1.5	9.9		1.3 \$		Doctoral or profession	None	None	
postsecondary	25-1120	Summary	334.9	372.1	37.2	11.1	0.3	30.1 \$	66,630	_	_	_	
Art, drama, and music teachers, postsecondary	25-1121	Line item	122.5	137.2	14.7	12.0	0.4	11.2 \$	68,650	Master's degree	None	None	
Communications teachers, postsecondary 2	25-1122	Line item	34.1	37.5	3.4	10.0	0.3	3.0 \$	65,640	Doctoral or profession	None	None	
English language and literature teachers, postsecondary	25-1123	Line item	84.6	92.9	8.3	9.8	0.2	7.5 \$	63,730	Doctoral or profession	None	None	
Foreign language and literature teachers, postsecondary	25-1124	Line item	35.0	39.1	4.1	11.8	0.4	3.2 \$	63,500	Doctoral or profession	None	None	
History teachers, postsecondary	25-1125	Line item	26.9	29.7	2.8	10.3	0.3	2.4 \$	71,820	Doctoral or profession	None	None	
Philosophy and religion teachers, postsecondary 2	25-1126	Line item	31.8	35.7	3.9	12.3	0.5	2.9 \$	68,360	Doctoral or profession	None	None	
		Summary	557.0	596.0	39.0	7.0	0.2	47.0 \$	49,060	_	_	_	
		Line item	168.3	181.2	12.9	7.7	0.1	14.4 \$,	Bachelor's degree	None	None	
		Line item	3.5	3.8	0.3	7.8		0.3 \$		Master's degree	None	None	
		Line item	20.6	22.6	2.0	9.6		1.8 \$		Doctoral or profession		None	
		Line item	128.0	129.7	1.7	1.3	0.4	9.8 \$		Bachelor's degree	Less than 5 years	None	
,,		Line item	236.5	258.7	22.2	9.4	0.4	20.7 \$		Doctoral or profession		None	
		Summary	4,264.8	4,598.6	333.8	7.8	0.2			DUCIDIAI OI PIOIESSI	INUITE	INUILE	
								358.7 \$	54,720				
ÿ		Summary	633.0	695.3	62.3	9.8	0.8	70.3 \$	34,010	Associately 1	— None	- None	
		Line item	478.5	528.6	50.1	10.5	1.0	53.6 \$		Associate's degree		None	
			154.4	166.7	12.2	7.9	0.2	16.7 \$		Bachelor's degree	None	None	
		Summary	2,053.9	2,206.2	152.3	7.4		164.4 \$	56,100	_	_	_	
	25-2021	Line item	1,410.9	1,514.9	104.1	7.4	_	112.8 \$		Bachelor's degree	None	None	
		Line item	630.3	677.7	47.3	7.5	_	50.5 \$	56,720	Bachelor's degree	None	None	
Career/technical education teachers, middle school	25-2023	Line item	12.7	13.6	0.9	7.3	_	1.0 \$	57,560	Bachelor's degree	Less than 5 years	None	
Secondary school teachers	25-2030	Summary	1,097.4	1,179.2	81.8	7.5	_	85.5 \$	57,980	_	_	_	
career/technical education 2	25-2031	Line item	1,018.7	1,095.5	76.8	7.5	_	79.5 \$	58,030	Bachelor's degree	None	None	
Career/technical education teachers, secondary school	25-2032	Line item	78.7	83.7	5.0	6.4	_	6.0 \$	57,320	Bachelor's degree	Less than 5 years	None	
	25-2050		480.6	517.9	37.3	7.8	_	38.5 \$	57,630	_	_		
		Line item	29.2	32.5	3.3	11.2		2.5 \$		Bachelor's degree	None	None	
		Line item	188.9	202.8	13.9	7.4	_	15.0 \$		Bachelor's degree	None	None	
		Line item	89.3	95.7	6.3	7.1	_	7.1 \$		Bachelor's degree	None	None	
		Line item	131.9	141.6	9.7	7.4		10.5 \$		Bachelor's degree	None	None	
		Line item	41.3	45.4	4.1	9.8		3.4 \$		Bachelor's degree	None	None	
					141.4	10.0				bachelor's degree	None	None	
		Summary	1,416.2	1,557.6			11.0	174.3 \$	31,910	—	— Name	—	
		Line item	68.2	64.3	-3.8	-5.6	7.8	6.8 \$		Bachelor's degree	None	None	
		Line item	354.2	406.9	52.7	14.9	19.8	46.3 \$		High school diploma		None	
		Line item	993.9	1,086.4	92.5	9.3	8.1	121.3 \$		Bachelor's degree	None	None	
, ,		Summary	268.4	293.9	25.5	9.5	0.2	32.6 \$	46,610	_	_		
, , ,		Summary	31.0	35.1	4.2	13.4	1.4	3.7 \$	47,230		-	<u> </u>	
		Line item	6.8	7.8	1.0	14.3	1.3	0.8 \$		Master's degree	None	None	
		Line item	12.4	14.1	1.7	14.0	1.6	1.5 \$	53 360	Master's degree	None	Mono	
Museum technicians and conservators 2	05 4040	1						φ	00,00			None	
Mascarii teeriiilelaris aria coriservators	25-4013	Line item	11.8	13.3	1.5	12.4	1.4	1.4 \$		Bachelor's degree	None	None	
		Line item Line item	11.8 138.2	13.3 150.6	1.5 12.4	12.4 8.9	1.4		40,040		None None		
Librarians 2	25-4021							1.4 \$	40,040 57,680	Bachelor's degree	None	None	
Librarians 2 Library technicians 2	25-4021 25-4031	Line item	138.2	150.6	12.4	8.9	_	1.4 \$ 14.5 \$ 14.4 \$	40,040 57,680	Bachelor's degree Master's degree	None	None None	
Librarians 2 Library technicians 2 Other education, training, and library occupations 2	25-4021 25-4031 25-9000	Line item Line item Summary	138.2 99.2 1,605.7	150.6 108.2 1,745.3	12.4 9.0 139.6	8.9 9.1 8.7	 0.6	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$	40,040 57,680 32,890 27,500	Bachelor's degree Master's degree Postsecondary nonc —	None None —	None None None	
Librarians 2 Library technicians 2 Other education, training, and library occupations 2 Audio-visual and multimedia collections specialists 2	25-4021 25-4031 25-9000 25-9011	Line item Line item Summary Line item	138.2 99.2 1,605.7 11.3	150.6 108.2 1,745.3 12.3	12.4 9.0 139.6 1.0	8.9 9.1 8.7 8.7	 0.6 2.2	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$	40,040 57,680 32,890 27,500 47,840	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree	None None Less than 5 years	None None None None	
Librarians 2 Library technicians 2 Other education, training, and library occupations 2 Audio-visual and multimedia collections specialists Farm and home management advisors 2	25-4021 25-4031 25-9000 25-9011 25-9021	Line item Line item Summary Line item Line item	138.2 99.2 1,605.7 11.3 10.4	150.6 108.2 1,745.3 12.3 11.2	12.4 9.0 139.6 1.0 0.8	8.9 9.1 8.7 8.7 7.3	 0.6 2.2 1.4	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$	40,040 57,680 32,890 27,500 47,840 49,490	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree	None None Less than 5 years None	None None None None None None None	
Librarians 2 Library technicians 2 Other education, training, and library occupations 2 Audio-visual and multimedia collections specialists Farm and home management advisors 2 Instructional coordinators 2	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031	Line item Line item Summary Line item Line item Line item	138.2 99.2 1,605.7 11.3 10.4 163.2	150.6 108.2 1,745.3 12.3 11.2 179.7	12.4 9.0 139.6 1.0 0.8 16.5	8.9 9.1 8.7 8.7 7.3 10.1	 0.6 2.2 1.4 3.5	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree	None None Less than 5 years None 5 years or more	None None None None None None None None	
Librarians Library technicians 2 Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041	Line item Line item Summary Line item Line item Line item Line item Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6	12.4 9.0 139.6 1.0 0.8 16.5 109.5	8.9 9.1 8.7 8.7 7.3 10.1 8.4	 0.6 2.2 1.4 3.5 0.1	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de	None None Less than 5 years None 5 years or more None	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099	Line item Line item Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8	8.9 9.1 8.7 8.7 7.3 10.1 8.4 10.5	 0.6 2.2 1.4 3.5 0.1 2.8	1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree	None None Less than 5 years None 5 years or more	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099 27-0000	Line item Line item Summary Line item Line item Line item Line item Line item Line item Summary	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6	8.9 9.1 8.7 8.7 7.3 10.1 8.4 10.5 6.3		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree —	None None Less than 5 years None 5 years or more None	None None None None None None None None	
Librarians Library technicians 2 Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9099 27-0000 27-1000	Line item Line item Summary Line item Line item Line item Line item Line item Line item Summary Summary	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree —	None None Less than 5 years None 5 years or more None	None None None None None None None None	
Librarians Library technicians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9091 27-0000 27-1000 27-1010	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080	Bachelor's degree Master's degree Postsecondary nonc Bachelor's degree Master's degree Master's degree Master's degree Some college, no de Bachelor's degree	None None Less than 5 years None 5 years or more None None Less than 5 years	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099 27-0000 27-1010 27-1011	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Line item Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7	8.9 9.1 8.7 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree — — Bachelor's degree	None None Less than 5 years None 5 years or more None None — — 5 years or more	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors Craft artists	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099 27-0000 27-1000 27-1010 27-1011 27-1012	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item Line item Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree — — Bachelor's degree No formal education	None None Less than 5 years None 5 years or more None None — — 5 years or more	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9099 27-0000 27-1000 27-1011 27-1011 27-1013	Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440 50,790	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree — — — Bachelor's degree No formal education Bachelor's degree	None None Less than 5 years None 5 years or more None None — — 5 years or more	None None None None None None None None	
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9099 27-0000 27-1000 27-1011 27-1011 27-1013	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item Line item Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440 50,790	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree — — Bachelor's degree No formal education	None None Less than 5 years None 5 years or more None None — — 5 years or more	None None None None None None None None	
Librarians Library technicians Cher education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators Multimedia artists and library workers, and illustrators	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099 27-0000 27-1000 27-1010 27-1011 27-1012 27-1013 27-1014	Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0	150.6 108.2 1,745.3 12.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440 50,790 65,300	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Some college, no de Bachelor's degree — — — Bachelor's degree No formal education Bachelor's degree	None None Less than 5 years None 5 years or more None 5 years or more None None None None None None	None None None None None None None None	ob trainin
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators Multimedia artists and related workers, all other	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9099 27-0000 27-1010 27-1011 27-1011 27-1012 27-1014 27-1019	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0 73.7	150.6 108.2 1,745.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4 81.3	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 41.1 18.4 6.7 0.8 2.4 7.7	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6 10.4		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$ 6.8 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440 50,790 65,300	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Master's degree Some college, no de Bachelor's degree — — Bachelor's degree No formal education Bachelor's degree Bachelor's degree	None None Less than 5 years None 5 years or more None 5 years or more None None None None None None	None None None None None None None None	ob training
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Artists and related workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators Multimedia artists and related workers, all other Designers	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9099 27-0000 27-1010 27-1011 27-1012 27-1013 27-1019 27-1019 27-1019 27-1019	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item Summary	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0 73.7 12.8 616.3	150.6 108.2 1,745.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4 81.3 13.7 639.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4 7.7 0.9 22.7	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6 10.4 6.9 3.7		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$ 6.8 \$ 1.1 \$ 59.7 \$	40,040 57,680 32,890 47,840 49,490 62,460 47,190 44,410 70,080 89,820 33,440 50,790 65,300 61,360 40,800	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Master's degree Master's degree — — — Bachelor's degree — — Bachelor's degree No formal education Bachelor's degree Bachelor's degree No formal education — Hormal education —	None None Less than 5 years None 5 years or more None None — — 5 years or more None None None None None None None Non	None None None None None None None None	ob training
Librarians Library technicians Cibrary technic	25-4021 25-4031 25-9000 25-9011 25-9031 25-9041 25-9099 27-0000 27-1000 27-1011 27-1012 27-1013 27-1014 27-1019 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010 27-1010	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0 73.7 12.8 616.3 39.7	150.6 108.2 1,745.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4 81.3 13.7 639.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4 7.7 0.9 22.7	8.9 9.1 8.7 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6 10.4 6.9 3.7 5.0		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$ 6.8 \$ 1.1 \$ 59.7 \$ 3.9 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 42,600 47,190 44,410 70,080 89,820 33,440 50,790 65,300 61,360 40,800 67,790	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Master's degree Master's degree — — Bachelor's degree — — Bachelor's degree No formal education Bachelor's degree Bachelor's degree No formal education Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None Less than 5 years None 5 years or more None None	None None None None None None None None	ob training
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators Multimedia artists and animators Artists and related workers, all other Designers Commercial and industrial designers Fashion designers	25-4021 25-4031 25-9000 25-9011 25-9021 25-9031 25-9041 25-9099 27-0000 27-1010 27-1011 27-1012 27-1012 27-1019 27-1019 27-1020 27-1020 27-1020 27-1020	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0 73.7 12.8 616.3 39.7 23.8	150.6 108.2 1,745.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4 81.3 13.7 639.0 41.6 24.5	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4 7.7 0.9 22.7 2.0 0.7	8.9 9.1 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6 10.4 6.9 3.7		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$ 6.8 \$ 1.1 \$ 59.7 \$ 3.9 \$ 2.3 \$	40,040 57,680 32,890 27,500 47,840 49,490 62,460 25,410 70,080 89,820 50,790 65,300 61,360 40,800 67,790 65,170	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Master's degree Some college, no de Bachelor's degree — — — — Bachelor's degree No formal education Bachelor's degree No formal education Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None Less than 5 years None 5 years or more None — — 5 years or more None None None None None None None Non	None None None None None None None None	ob training
Librarians Library technicians Other education, training, and library occupations Audio-visual and multimedia collections specialists Farm and home management advisors Instructional coordinators Teacher assistants Education, training, and library workers, all other Arts, design, entertainment, sports, and media occupations Art and design workers Art directors Craft artists Fine artists, including painters, sculptors, and illustrators Multimedia artists and animators Artists and related workers, all other Designers Commercial and industrial designers Fashion designers Floral designers	25-4021 25-4031 25-9001 25-9011 25-9031 25-9031 25-9041 25-9099 27-1000 27-1010 27-1011 27-1012 27-1014 27-1019 27-1020 27-1020 27-1020 27-1021 27-1021	Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Summary Summary Line item	138.2 99.2 1,605.7 11.3 10.4 163.2 1,308.1 112.7 2,772.9 833.7 217.4 90.3 12.5 28.0 73.7 12.8 616.3 39.7	150.6 108.2 1,745.3 11.2 179.7 1,417.6 124.5 2,946.5 874.8 235.8 97.0 13.3 30.4 81.3 13.7 639.0	12.4 9.0 139.6 1.0 0.8 16.5 109.5 11.8 173.6 41.1 18.4 6.7 0.8 2.4 7.7 0.9 22.7	8.9 9.1 8.7 8.7 7.3 10.1 8.4 10.5 6.3 4.9 8.5 7.4 6.3 8.6 10.4 6.9 3.7 5.0		1.4 \$ 14.5 \$ 14.4 \$ 178.6 \$ 1.1 \$ 1.0 \$ 16.8 \$ 147.9 \$ 11.7 \$ 289.7 \$ 79.2 \$ 19.5 \$ 8.0 \$ 1.1 \$ 2.5 \$ 6.8 \$ 1.1 \$ 59.7 \$ 3.9 \$	40,040 57,680 32,890 47,840 49,490 62,460 47,190 44,410 70,080 89,820 33,440 50,790 61,360 40,800 67,790 65,170 25,850	Bachelor's degree Master's degree Postsecondary nonc — Bachelor's degree Master's degree Master's degree Master's degree Master's degree — — Bachelor's degree — — Bachelor's degree No formal education Bachelor's degree Bachelor's degree No formal education Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None Less than 5 years None 5 years or more None — — 5 years or more None None None None None None None Non	None None None None None None None None	ob training

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Merchandise displayers and window trimmers		Line item	141.4	146.8	5.3	3.8	19.4	13.7		High school diploma None	Short-term on-the-job train
Set and exhibit designers Designers, all other		Line item Line item	14.6 9.0	16.2 9.5	1.6 0.6	10.9 6.4	18.2 18.8	1.6 0.9		Bachelor's degree None Bachelor's degree None	None None
Entertainers and performers, sports and related workers		Summary	801.9	882.0	80.1	10.0	21.0	99.9	\$ 40,870	Bachelor's degree Inone	None
Actors, producers, and directors		Summary	198.5	222.1	23.6	11.9	19.2	21.4	7,		
Actors		Line item	63.8	71.3	7.5	11.7	25.8	7.4	Ψ 02,030	Some college, no de None	Long-term on-the-job train
Producers and directors		Line item	134.7	150.8	16.1	12.0	16.0	14.0		Bachelor's degree Less than 5 years	None
Athletes, coaches, umpires, and related workers		Summary	309.0	346.6	37.5	12.1	10.0	46.8			INOTIE
Athletes and sports competitors	_	Line item	11.8	12.7	0.8	7.2	14.8	1.7		No formal education None	Long-term on-the-job train
Coaches and scouts		Line item	276.1	311.2	35.1	12.7	10.0	42.0		Bachelor's degree None	None
Umpires, referees, and other sports officials		Line item	21.1	22.7	1.6	7.4	8.8	3.0		High school diploma None	Moderate-term on-the-job
Dancers and choreographers		Summary	20.4	21.3	0.9	4.4	26.7	2.8			
Dancers Dancers	_	Line item	13.5	14.1	0.7	5.0	26.8	1.9		No formal education None	Long-term on-the-job train
Choreographers		Line item	6.9	7.1	0.2	3.2	26.4	1.0		High school diploma 5 years or more	Long-term on-the-job train
Musicians, singers, and related workers		Summary	247.3	263.2	15.9	6.4	32.4	25.7	Ψ +0,2+0		
Music directors and composers		Line item	74.8	79.4	4.6	6.1	25.8	7.8	\$ 50.110	Bachelor's degree Less than 5 years	None
Musicians and singers	_	Line item	172.4	183.8	11.3	6.6	35.3	18.0		No formal education None	Long-term on-the-job train
other		Line item	26.7	28.9	2.1	8.0	50.2	3.2		No formal education None	Short-term on-the-job train
Media and communication workers		Summary	774.8	820.1	45.3	5.8	21.0	78.5			— Jesus term en trie Jes train
Announcers		Summary	52.7	48.5	-4.1	-7.8	29.8	4.4			_
Radio and television announcers	_	Line item	41.3	36.8	-4.5	-10.9	29.8	3.3		Bachelor's degree None	None
Public address system and other announcers		Line item	11.4	11.8	0.4	3.2	29.8	1.1		High school diploma None	Short-term on-the-job train
News analysts, reporters and correspondents	_	Summary	50.4	45.6	-4.8	-9.6	11.3	4.2			
Broadcast news analysts	_	Line item	5.7	5.6	-0.1	-1.0	11.1	0.5		Bachelor's degree None	None
Reporters and correspondents		Line item	44.7	40.0	-4.8	-10.7	11.3	3.6		Bachelor's degree None	None
Public relations specialists		Line item	259.6	283.0	23.3	9.0	2.5	28.3		Bachelor's degree None	None
Writers and editors		Summary	311.0	327.6	16.6	5.3	35.7	30.7			
Editors		Line item	127.4	127.3	-0.1	-0.1	20.0	12.3		Bachelor's degree Less than 5 years	None
Technical writers		Line item	52.4	58.1	5.7	10.9	3.1	5.7		Bachelor's degree Less than 5 years	Short-term on-the-job train
Writers and authors		Line item	131.2	142.2	11.0	8.3	63.9	12.7		Bachelor's degree None	Long-term on-the-job train
Miscellaneous media and communication workers	_	Summary	101.1	115.4	14.3	14.1	23.5	11.0			
Interpreters and translators		Line item	68.2	79.6	11.4	16.7	21.6	7.7		Bachelor's degree None	None
Media and communication workers, all other	27-3099	Line item	32.9	35.8	2.9	8.7	27.6	3.3		High school diploma None	Short-term on-the-job train
Media and communication equipment workers	27-4000	Summary	362.5	369.6	7.1	2.0	34.4	32.1	\$ 45,680		
operators		Summary	135.3	146.0	10.7	7.9	9.7	13.7			1_
Audio and video equipment technicians		Line item	83.3	94.0	10.7	12.9	9.4	9.0		Postsecondary nond None	Short-term on-the-job train
Broadcast technicians	27-4012	Line item	34.0	32.9	-1.1	-3.2	10.2	2.9	\$ 38,550	Associate's degree None	Short-term on-the-job train
Radio operators	27-4013	Line item	0.9	0.9	0.0	-1.0	_	0.1		High school diploma None	Short-term on-the-job train
Sound engineering technicians	27-4014	Line item	17.0	18.1	1.1	6.3	10.8	1.7		Postsecondary nond None	Short-term on-the-job train
Photographers	27-4021	Line item	147.3	134.9	-12.4	-8.4	68.2	9.7	\$ 34,070	High school diploma None	Long-term on-the-job train
editors	27-4030	Summary	59.3	66.5	7.2	12.1	15.9	6.5	\$ 59,040		
Camera operators, television, video, and motion picture	27-4031	Line item	25.1	26.7	1.6	6.4	15.3	2.6	\$ 55,080	Bachelor's degree None	None
Film and video editors	27-4032	Line item	34.2	39.8	5.6	16.3	16.3	4.0		Bachelor's degree None	None
Media and communication equipment workers, all other	27-4099	Line item	20.6	22.2	1.6	7.9	7.8	2.1	\$ 75,700	High school diploma None	Short-term on-the-job train
Healthcare practitioners and technical occupations	29-0000	Summary	8,751.5	10,082.4	1,330.9	15.2	2.7	624.3	\$ 63,420		
Health diagnosing and treating practitioners	29-1000	Summary	5,485.4	6,376.7	891.3	16.2	3.8	355.3	\$ 77,980		-
Chiropractors	29-1011	Line item	47.4	52.4	5.0	10.5	30.1	1.7	\$ 67,520	Doctoral or professio None	None
Dentists	29-1020	Summary	153.5	179.9	26.4	17.2	19.3	7.0	\$ 159,770		<u> </u>
Dentists, general	29-1021	Line item	132.8	156.0	23.2	17.5	19.6	6.1	\$ 153,900	Doctoral or professio None	None
Oral and maxillofacial surgeons	29-1022	Line item	6.8	7.9	1.2	17.2	19.8	0.3	>=\$208,000	Doctoral or professio None	Internship/residency
Orthodontists	29-1023	Line item	6.6	7.7	1.1	17.3	19.9	0.3		Doctoral or professid None	Internship/residency
Prosthodontists	29-1024	Line item	0.9	1.1	0.2	17.2	19.9	0.0	\$ 126,050	Doctoral or professio None	Internship/residency
Dentists, all other specialists	_	Line item	6.4	7.2	0.8	12.0	12.6	0.3		Doctoral or professio None	Internship/residency
Dietitians and nutritionists	_	Line item	68.0	77.6	9.6	14.1	6.4	5.3		Bachelor's degree None	Internship/residency
Optometrists	_	Line item	40.2	47.1	7.0	17.3	8.5	2.0		Doctoral or professid None	None
Pharmacists		Line item	312.5	330.1	17.6		1.0	15.3		Doctoral or professio None	None
Physicians and surgeons		Summary	713.8	820.3	106.5		6.7	30.4			
Anesthesiologists		Line item	33.0	38.9	5.9	17.8	7.7	1.5		Doctoral or professid None	Internship/residency
Family and general practitioners		Line item	134.8	157.1	22.2	16.5	7.0	6.0		Doctoral or professid None	Internship/residency
Internists, general		Line item	49.8	58.2	8.4	16.9	7.4	2.2		Doctoral or professid None	Internship/residency
		Line item	21.7	25.5	3.9	17.9	7.6	1.0		Doctoral or professid None	Internship/residency
Obstetricians and gynecologists				34.8	5.3	17.8	7.5	1.4		Doctoral or professid None	Internship/residency
Obstetricians and gynecologists Pediatricians, general		Line item	/4 h					1.1		Doctoral or professid None	Internship/residency
Pediatricians, general	29-1065	Line item	29.6 27.5		3.6	13.1	6.71			= colorar or proroconditions	y
Pediatricians, general Psychiatrists	29-1065 29-1066	Line item	27.5	31.2	3.6 7.6		6.1 7.6			Doctoral or professio None	Internship/residency
Pediatricians, general Psychiatrists Surgeons	29-1065 29-1066 29-1067	Line item Line item	27.5 45.0	31.2 52.6	7.6	16.8	7.6	2.0	>=\$208,000	Doctoral or professid None	Internship/residency
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other	29-1065 29-1066 29-1067 29-1069	Line item Line item Line item	27.5 45.0 372.4	31.2 52.6 422.0	7.6 49.6	16.8 13.3	7.6 6.2	2.0 15.2	>=\$208,000 \$ 206,920	Doctoral or profession None	Internship/residency
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other Physician assistants	29-1065 29-1066 29-1067 29-1069 29-1071	Line item Line item Line item Line item	27.5 45.0 372.4 106.2	31.2 52.6 422.0 145.9	7.6 49.6 39.7	16.8 13.3 37.4	7.6 6.2 0.1	2.0 15.2 10.6	>=\$208,000 \$ 206,920 \$ 101,480	Doctoral or professic None Master's degree None	Internship/residency None
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other Physician assistants Podiatrists	29-1065 29-1066 29-1067 29-1069 29-1071 29-1081	Line item Line item Line item Line item Line item Line item	27.5 45.0 372.4 106.2 11.0	31.2 52.6 422.0 145.9 12.1	7.6 49.6 39.7 1.1	16.8 13.3 37.4 9.7	7.6 6.2 0.1 7.4	2.0 15.2 10.6 0.7	>=\$208,000 \$ 206,920 \$ 101,480 \$ 124,830	Doctoral or profession None	Internship/residency
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other Physician assistants Podiatrists Therapists	29-1065 29-1066 29-1067 29-1069 29-1071 29-1081 29-1120	Line item Line item Line item Line item Line item Summary	27.5 45.0 372.4 106.2 11.0 723.0	31.2 52.6 422.0 145.9 12.1 876.7	7.6 49.6 39.7 1.1 153.7	16.8 13.3 37.4 9.7 21.3	7.6 6.2 0.1 7.4 7.5	2.0 15.2 10.6 0.7 51.9	>=\$208,000 \$ 206,920 \$ 101,480 \$ 124,830 \$ 75,020	Doctoral or professid None Master's degree None Doctoral or professid None	Internship/residency None Internship/residency —
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other Physician assistants Podiatrists Therapists Occupational therapists	29-1065 29-1066 29-1067 29-1069 29-1071 29-1081 29-1120 29-1122	Line item Line item Line item Line item Line item Line item Summary Line item	27.5 45.0 372.4 106.2 11.0 723.0 130.4	31.2 52.6 422.0 145.9 12.1 876.7 158.0	7.6 49.6 39.7 1.1 153.7 27.7	16.8 13.3 37.4 9.7 21.3 21.2	7.6 6.2 0.1 7.4 7.5 6.5	2.0 15.2 10.6 0.7 51.9 9.7	>=\$208,000 \$ 206,920 \$ 101,480 \$ 124,830 \$ 75,020 \$ 81,910	Doctoral or professic None Master's degree None Doctoral or professic None	Internship/residency None Internship/residency — None
Pediatricians, general Psychiatrists Surgeons Physicians and surgeons, all other Physician assistants Podiatrists Therapists	29-1065 29-1066 29-1067 29-1069 29-1071 29-1081 29-1120 29-1122 29-1123	Line item Line item Line item Line item Line item Summary	27.5 45.0 372.4 106.2 11.0 723.0	31.2 52.6 422.0 145.9 12.1 876.7	7.6 49.6 39.7 1.1 153.7	16.8 13.3 37.4 9.7 21.3	7.6 6.2 0.1 7.4 7.5	2.0 15.2 10.6 0.7 51.9	>=\$208,000 \$ 206,920 \$ 101,480 \$ 124,830 \$ 75,020 \$ 81,910 \$ 85,400	Doctoral or professid None Master's degree None Doctoral or professid None	Internship/residency None Internship/residency —

Respiratory therapists	29-1126 Line item	130.2	160.6	30.4	23.4	0.3	9.8	\$ 58.670	Associate's degree	None	None	1
Speech-language pathologists	29-1127 Line item	145.1	170.5	25.4	17.5	4.8			Master's degree	None	Internship/residen	J J
Exercise physiologists	29-1128 Line item	15.1	17.1	2.0	12.9	52.8	1.1	, , , , , , ,	Bachelor's degree	None	None	i)
Therapists, all other	29-1129 Line item	24.1	28.9	4.8	19.7	51.0			Bachelor's degree	None	None	1
Veterinarians	29-1131 Line item	79.6	94.0	14.4	18.1	13.2			Doctoral or professi	None	None	
Registered nurses	29-1141 Line item	2,955.2	3,392.2	437.0	14.8	0.5			Bachelor's degree	None	None	
Nurse anesthetists	29-1151 Line item	41.8	48.5	6.7	16.0	2.8	2.8		Master's degree	None	None	1
Nurse midwives	29-1161 Line item	6.5	7.8	1.3	20.6	1.0			Master's degree	None	None	1
Nurse practitioners	29-1171 Line item	155.5	211.5	56.0	36.0	1.0	14.4		Master's degree	None	None	1
Audiologists	29-1181 Line item	14.8	17.8	3.0	20.4	15.0	1.0		Doctoral or professi	None	None	1
Health diagnosing and treating practitioners, all other	29-1199 Line item	56.4	62.9	6.4	11.4	31.0			Master's degree	None	None	1
Health technologists and technicians	29-2000 Summary	3,093.5	3,513.1	419.6	13.6	0.5	257.9	\$ 42,750	_	_	_	1
Clinical laboratory technologists and technicians	29-2010 Summary	335.7	378.3	42.7	12.7	0.1		\$ 50,930	_	_	_	1
Medical and clinical laboratory technologists	29-2011 Line item	171.4	191.2	19.7	11.5	0.1			Bachelor's degree	None	None	1
Medical and clinical laboratory technicians	29-2012 Line item	164.2	187.2	22.9	14.0	0.1	12.9	\$ 38,950	Associate's degree	None	None	1
Dental hygienists	29-2021 Line item	207.9	248.8	40.9	19.6	0.4	17.5		Associate's degree	None	None	1
Diagnostic related technologists and technicians	29-2030 Summary	384.1	437.3	53.1	13.8	0.6	26.2	\$ 61,160	_	_	_	1
Cardiovascular technologists and technicians	29-2031 Line item	55.0	60.5	5.4	9.9	0.6	3.5	\$ 55,570	Associate's degree	None	None	1
Diagnostic medical sonographers	29-2032 Line item	67.3	82.9	15.6	23.2	0.6	5.4		Associate's degree	None	None	1
Nuclear medicine technologists	29-2033 Line item	20.1	22.0	2.0	9.8	0.6			Associate's degree	None	None	1
Radiologic technologists	29-2034 Line item	205.2	230.4	25.2	12.3	0.6	13.6		Associate's degree	None	None	1
Magnetic resonance imaging technologists	29-2035 Line item	36.6	41.5	5.0	13.6	0.6	2.5		Associate's degree	Less than 5 years	None	
Emergency medical technicians and paramedics	29-2041 Line item	248.0	285.4	37.4	15.1	0.1			Postsecondary none		None	
Health practitioner support technologists and technicians	29-2050 Summary	767.0	857.1	90.1	11.7	0.2		\$ 33,140	<u> </u>			
Dietetic technicians	29-2051 Line item	33.4	36.5	3.1	9.3	_			Associate's degree	None	None	
Pharmacy technicians	29-2052 Line item	402.5	450.1	47.6	11.8	0.2	37.5	\$ 30,920	High school diploma	None	Moderate-term on	n-the-job trainir
Psychiatric technicians	29-2053 Line item	66.1	70.0	3.9	5.9	0.1	5.6	\$ 30,970	Postsecondary none	Less than 5 years	Short-term on-the-	-job training
Respiratory therapy technicians	29-2054 Line item	10.8	4.7	-6.1	-56.3	_	0.0	\$ 49,780	Associate's degree	None	None	<u> </u>
Surgical technologists	29-2055 Line item	107.7	120.3	12.6	11.7	0.2	10.0	\$ 45,160	Postsecondary none	None	None	Ī
Veterinary technologists and technicians	29-2056 Line item	102.0	122.4	20.4	19.9	0.2	10.7	\$ 32,490	Associate's degree	None	None	
Ophthalmic medical technicians	29-2057 Line item	44.5	53.2	8.7	19.4	0.2	4.6	\$ 35,530	Postsecondary none	None	None	
Licensed practical and licensed vocational nurses	29-2061 Line item	724.5	813.1	88.6	12.2	0.5	62.7	\$ 44,090	Postsecondary none	None	None	
Medical records and health information technicians	29-2071 Line item	206.3	234.1	27.8	13.5	0.7	15.8	\$ 38,040	Postsecondary none	None	None	
Opticians, dispensing	29-2081 Line item	77.6	88.9	11.3	14.5	3.5	7.0	\$ 35,530	High school diploma	None	Long-term on-the-	job training
Miscellaneous health technologists and technicians	29-2090 Summary	142.4	170.2	27.8	19.5	2.0	12.3	\$ 42,500	_	_	_	1
Orthotists and prosthetists	29-2091 Line item	7.8	9.5	1.7	21.9	2.0	0.7	\$ 65,630	Master's degree	None	Internship/residen	ncy
Hearing aid specialists	29-2092 Line item	6.8	8.2	1.3	19.2	2.3	0.6	\$ 50,250	High school diploma	None	Moderate-term on	-the-job trainir
Health technologists and technicians, all other	29-2099 Line item	127.8	152.5	24.8	19.4	2.0	11.0	\$ 41,070	Postsecondary none	None	None	
Other healthcare practitioners and technical occupations	29-9000 Summary	172.6	192.6	20.0	11.6	6.0		\$ 59,260	_	_	_	
Occupational health and safety specialists and technicians	29-9010 Summary	101.8	109.9	8.1	7.9	6.0		\$ 66,820	_	_	_	
Occupational health and safety specialists	29-9011 Line item	83.7	90.1	6.4	7.6	5.8	4.9		Bachelor's degree	None	None	
Occupational health and safety technicians	29-9012 Line item	18.1	19.8	1.7	9.5	6.5			High school diploma	None	Moderate-term on	n-the-job trainir
Miscellaneous health practitioners and technical workers	29-9090 Summary	70.8	82.7	11.9	16.8	6.1		\$ 47,790	_	_	_	
Athletic trainers	29-9091 Line item	27.8	34.0	6.2	22.2	6.2			Bachelor's degree	None	None	
Genetic counselors	29-9092 Line item	3.1	3.9	0.9	28.3	7.6	0.3	\$ 74,120	Master's degree	None	None	
Healthcare practitioners and technical workers, all other	29-9099 Line item	40.0	44.8	4.8	12.1	6.0	2.6	\$ 48,820	Postsecondary none	None	None	
Healthcare support occupations	31-0000 Summary	4,315.6	5,315.5	999.9	23.2	2.8	635.4		_	_	_	
Nursing, psychiatric, and home health aides	31-1000 Summary	2,549.4	3,147.2	597.8	23.4	1.9		\$ 24,810		_	_	
Home health aides	31-1011 Line item	911.5	1,337.0	425.6	46.7	2.0	167.7		High school diploma	None	Short-term on-the-	job training
Psychiatric aides	31-1013 Line item	73.6	77.4	3.9	5.2	1.0			High school diploma	None	Short-term on-the	job training
Nursing assistants	31-1014 Line item	1,510.3	1,674.4	164.0	10.9	2.0			Postsecondary none	None	None	_
Orderlies	31-1015 Line item	54.0	58.4	4.4	8.1	_		\$ 26,690	High school diploma	None	Short-term on-the	-job training
aides	31-2000 Summary	187.1	242.6	55.5	29.7	0.5		\$ 48,970	<u> </u>	_	<u> </u>	1
Occupational therapy assistants and aides	31-2010 Summary	46.8	60.0	13.2	28.3	_	7.8			_	<u> -</u>	1
Occupational therapy assistants	31-2011 Line item	39.3	50.7	11.4	28.9	_			Associate's degree	None	None	_
Occupational therapy aides	31-2012 Line item	7.5	9.3	1.8	24.7	_	1.2		High school diploma	None	Short-term on-the	-job training
Physical therapist assistants and aides	31-2020 Summary	140.3	182.6	42.3	30.1	0.6					<u> -</u>	_
Physical therapist assistants	31-2021 Line item	88.3	115.5	27.2	30.8	0.6	14.7		Associate's degree		None	_
Physical therapist aides	31-2022 Line item	52.0	67.1	15.1	29.1	0.6			High school diploma	None	Short-term on-the-	-job training
Other healthcare support occupations	31-9000 Summary	1,579.1	1,925.7	346.6	21.9	4.5				_	<u> </u>	
Massage therapists	31-9011 Line item	160.3	198.1	37.7	23.5	39.4	21.9		Postsecondary none	None	None	_
Miscellaneous healthcare support occupations	31-9090 Summary	1,418.8	1,727.6	308.8	21.8	0.5	205.6	\$ 32,880	<u> </u>		_	
	24 0004 Line item	332.0	396.6	64.6	19.5	0.1	45.9		Postsecondary none		None	
Dental assistants	31-9091 Line item		819.0	184.6	29.1	0.4	95.0	\$ 31,540	Postsecondary none	None	None	
Dental assistants Medical assistants	31-9091 Line item	634.4	019.0						High pahaal dialama	Mana	1	athe-ioh traini
		634.4 54.2	60.1	5.9	10.9	1.2	7.6	\$ 34,400	High school diploma	inone	Moderate-term on	i ilic job ilalili
Medical assistants	31-9092 Line item					1.2 4.7			Postsecondary none		Moderate-term on None	
Medical assistants Medical equipment preparers	31-9092 Line item 31-9093 Line item	54.2	60.1	5.9	10.9			\$ 35,720		None] ′
Medical assistants Medical equipment preparers Medical transcriptionists	31-9092 Line item 31-9093 Line item 31-9094 Line item	54.2 57.4	60.1 55.4	5.9 -2.0	10.9 -3.5	4.7	6.4	\$ 35,720 \$ 25,240	Postsecondary none	None None	None	_ -job training
Medical assistants Medical equipment preparers Medical transcriptionists Pharmacy aides	31-9092 Line item 31-9093 Line item 31-9094 Line item 31-9095 Line item	54.2 57.4 36.9	60.1 55.4 35.2	5.9 -2.0 -1.8	10.9 -3.5 -4.8	4.7 —	6.4 4.7	\$ 35,720 \$ 25,240 \$ 25,250	Postsecondary none High school diploma	None None None	None Short-term on-the	_ -job training
Medical assistants Medical equipment preparers Medical transcriptionists Pharmacy aides Veterinary assistants and laboratory animal caretakers	31-9092 Line item 31-9093 Line item 31-9094 Line item 31-9095 Line item 31-9096 Line item	54.2 57.4 36.9 83.8	60.1 55.4 35.2 100.0	5.9 -2.0 -1.8 16.3	10.9 -3.5 -4.8 19.4	4.7 — —	6.4 4.7 15.5 16.9	\$ 35,720 \$ 25,240 \$ 25,250 \$ 32,710	Postsecondary none High school diploma High school diploma	None None None None None	None Short-term on-the- Short-term on-the-	_ i-job training
Medical assistants Medical equipment preparers Medical transcriptionists Pharmacy aides Veterinary assistants and laboratory animal caretakers Phlebotomists	31-9092 Line item 31-9093 Line item 31-9094 Line item 31-9095 Line item 31-9096 Line item 31-9097 Line item	54.2 57.4 36.9 83.8 122.7	60.1 55.4 35.2 100.0 152.6	5.9 -2.0 -1.8 16.3 30.0	10.9 -3.5 -4.8 19.4 24.4	4.7 — — 0.7	6.4 4.7 15.5 16.9 13.7	\$ 35,720 \$ 25,240 \$ 25,250 \$ 32,710 \$ 36,330	Postsecondary none High school diploma High school diploma Postsecondary none High school diploma	None None None None None	None Short-term on-the- Short-term on-the- None	_ -job training

First-line supervisors of law enforcement workers	33-1010	Summary	149.9	153.3	3.4	2.3	<u>—</u> I	9.5 \$	77,500	!	_		
First-line supervisors of correctional officers		Line item	45.2	41.7	-3.5	-7.8		2.5 \$		High school diploma	Less than 5 years	None	
		Line item	104.7	111.6	6.9	6.6	_	7.1 \$		High school diploma		Moderate-term on-ti	the-job trainir
First-line supervisors of fire fighting and prevention workers	33-1021	Line item	59.1	63.3	4.2	7.2	_	4.4 \$	74,540	Postsecondary nond	Less than 5 years	Moderate-term on-ti	the-job trainir
First-line supervisors of protective service workers, all other	33-1099	Line item	75.2	78.6	3.4	4.6	1.3	7.7 \$	47,820	High school diploma	Less than 5 years	None	
Fire fighting and prevention workers		Summary	341.4	366.4	25.0	7.3	0.2	25.9 \$		_	_	_	
Firefighters		Line item	327.3	351.0	23.6	7.2	0.2	24.3 \$		Postsecondary nond	None	Long-term on-the-jo	ob training
Fire inspectors		Summary	14.1	15.4	1.4	9.7		1.6 \$					
Fire inspectors and investigators		Line item	12.3	13.2	0.9	7.3		1.4 \$		Postsecondary nond		Moderate-term on-ti	,
Forest fire inspectors and prevention specialists		Line item	1.7	2.2	0.5	26.6		0.2 \$		High school diploma	Less than 5 years	Moderate-term on-ti	the-job trainii
Law enforcement workers		Summary	1,285.0	1,300.1	15.2	1.2		91.0 \$, -	_			
Bailiffs, correctional officers, and jailers Bailiffs		Summary Line item	468.6 18.6	433.7 18.2	-34.9 -0.4	-7.4 -2.1	_	32.7 \$ 1.4 \$,	— Ligh seheel diplome	— None	Moderate term on t	tha iah trainir
Correctional officers and jailers		Line item	450.0	415.5	-34.5	-2.1 -7.7	_	31.3 \$		High school diploma High school diploma		Moderate-term on-ti Moderate-term on-ti	
Detectives and criminal investigators		Line item	110.9	115.9	5.0	4.5		7.5		High school diploma	Less than 5 years	Moderate-term on-ti	
Fish and game wardens		Line item	7.0	7.3	0.3	4.3		0.7 \$			None	Moderate-term on-ti	
Parking enforcement workers		Line item	9.4	6.1	-3.3	-35.3	_	0.4 \$			None	Short-term on-the-jo	
Police officers		Summary	689.1	737.2	48.1	7.0	_	49.8 \$			_	— J	0.0 t. d.iig
Police and sheriff's patrol officers		Line item	684.2	731.9	47.8	7.0	_	49.5 \$		High school diploma	None	Moderate-term on-ti	the-iob traini
Transit and railroad police			4.9	5.3	0.3	6.3	_	0.4 \$		High school diploma	None	Moderate-term on-ti	
Other protective service workers		Summary	1,595.0	1,702.0	107.0	6.7	1.1	258.6 \$		_	_	_	,
Animal control workers		Line item	13.4	14.6	1.1	8.4	_	1.6 \$	-,	High school diploma	None	Moderate-term on-ti	the-job traini
Private detectives and investigators		Line item	41.4	45.7	4.3	10.5	30.8	4.5 \$		High school diploma	Less than 5 years	Moderate-term on-ti	
Security guards and gaming surveillance officers	33-9030	Summary	1,133.9	1,205.0	71.0	6.3	0.4	159.0 \$	25,840		_	_	-
Gaming surveillance officers and gaming investigators		Line item	10.7	11.1	0.4	3.5	_	1.4 \$			Less than 5 years	Moderate-term on-ti	the-job traini
Security guards	33-9032	Line item	1,123.3	1,193.9	70.7	6.3	0.4	157.5 \$	-, -	High school diploma	None	Short-term on-the-jo	ob training
Miscellaneous protective service workers		Summary	406.2	436.7	30.5	7.5		93.6 \$		_	_	_	
Crossing guards		Line item	74.3	80.6	6.3	8.5		14.5 \$	-,		None	Short-term on-the-jo	
service workers		Line item	152.1	163.7	11.7	7.7	_	39.7 \$		No formal education	None	Short-term on-the-jo	
Transportation security screeners		Line item	46.1	47.3	1.2	2.6	_	4.2 \$		High school diploma	None	Short-term on-the-jo	
Protective service workers, all other		Line item	133.8	145.1	11.3	8.4		35.2 \$	-, -	High school diploma	None	Short-term on-the-jo	ob training
Food preparation and serving related occupations		Summary	13,206.1	14,438.3	1,232.2	9.3	0.5	2,469.9 \$	- ,	_	_	_	
Supervisors of food preparation and serving workers		Summary	1,083.4	1,185.0	101.5	9.4	2.6	166.6 \$	- ,		_		
		Line item	146.5	160.5	14.1	9.6	6.7	20.3 \$		High school diploma		None	
workers Cooks and food preparation workers		Line item	936.9 3,274.1	1,024.4	87.5	9.3	1.9	146.2 \$	- ,	High school diploma	Less than 5 years	None	
Cooks and food preparation workers Cooks		Summary Summary	2,403.0	3,490.4	216.3 147.6	6.6 6.1	0.7 0.7	515.8 \$ 358.0 \$	22,460		_	_	
Cooks, fast food		Line item	517.6	2,550.6 490.5	-27.1	-5.2	- 0.7	67.2 \$		No formal education	None	Short-term on-the-jo	ob training
Cooks, rast rood Cooks, institution and cafeteria		Line item	424.8	457.4	32.6	7.7		64.4 \$,	No formal education		Short-term on-the-jo	
Cooks, private household		Line item	25.0	26.4	1.4	5.7	71.8	3.7 \$			Less than 5 years	None	ob training
Cooks, restaurant		Line item	1,231.9	1,377.2	145.3	11.8	-	195.3 \$		No formal education		Moderate-term on-ti	the-iob traini
Cooks, short order		Line item	185.9	179.7	-6.2	-3.3	_	24.7 \$	= -,	No formal education		Short-term on-the-jo	
Cooks, all other		Line item	17.8	19.4	1.6	9.0	_	2.7 \$		No formal education		Moderate-term on-ti	
Food preparation workers		Line item	871.1	939.8	68.7	7.9	0.6	157.7 \$		No formal education	None	Short-term on-the-jo	•
Food and beverage serving workers	35-3000	Summary	7,432.9	8,260.6	827.7	11.1	0.1	4 547 0 6	19,750	_	_		J
Bartenders	35-3011	Line item	044.0					1,517.3 \$				I— I	
Fast food and counter workers	35-3020		611.2	626.3	15.1	2.5	0.3	1,517.3 \$		No formal education	None	Short-term on-the-jo	ob training
including fast food		Summary	3,957.5	626.3 4,560.6	15.1 603.1				20,800	No formal education: —	None —	Short-term on-the-jo	ob training
andrading fact rood		Summary Line item				2.5	0.3	102.3 \$	20,800 19,500	No formal education No formal education	_	Short-term on-the-jo	ob training
coffee shop	35-3021	,	3,957.5 3,452.2 505.2	4,560.6 4,032.1 528.4	603.1 579.9 23.2	2.5 15.2 16.8 4.6	0.3 0.1 0.1 0.5	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$	20,800 19,500 19,440	_	— None	_	ob training
coffee shop Waiters and waitresses	35-3021 35-3022 35-3031	Line item Line item Line item	3,957.5 3,452.2 505.2 2,600.5	4,560.6 4,032.1 528.4 2,783.0	603.1 579.9 23.2 182.5	2.5 15.2 16.8 4.6 7.0	0.3 0.1 0.1	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$	20,800 19,500 19,440 19,970 19,990	No formal education No formal education No formal education	None None None	Short-term on-the-jo	ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant	35-3021 35-3022 35-3031 35-3041	Line item Line item Line item Line item	3,957.5 3,452.2 505.2 2,600.5 263.8	4,560.6 4,032.1 528.4 2,783.0 290.7	603.1 579.9 23.2 182.5 26.9	2.5 15.2 16.8 4.6 7.0 10.2	0.3 0.1 0.1 0.5 0.1 —	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$	20,800 19,500 19,440 19,970 19,990 21,240	No formal education No formal education	None None	Short-term on-the-jo	ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers	35-3021 35-3022 35-3031 35-3041 35-9000	Line item Line item Line item Line item Summary	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3	603.1 579.9 23.2 182.5 26.9 86.6	2.5 15.2 16.8 4.6 7.0 10.2 6.1	0.3 0.1 0.1 0.5 0.1 0.1	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310	No formal education No formal education No formal education No formal education -	None None None None	Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo	ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011	Line item Line item Line item Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7	603.1 579.9 23.2 182.5 26.9 86.6 30.5	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1	0.3 0.1 0.1 0.5 0.1 —	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200	— No formal education No formal education No formal education No formal education — No formal education	Mone None None None None None None	Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo	ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021	Line item Line item Line item Line item Summary Line item Line item Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3	0.3 0.1 0.1 0.5 0.1 0.1 0.2 	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800	No formal education	None None None None None None None	Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo	ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031	Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800 19,980	No formal education	None None None None None None None None	Short-term on-the-jc	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099	Line item Line item Line item Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800 19,980 21,090	No formal education	None None None None None None None None	Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo Short-term on-the-jo	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099 37-0000	Line item Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Summary	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 20,800 19,980 21,090 24,700	No formal education -	None None None None None None None None	Short-term on-the-jc	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099 37-0000 37-1000	Line item Line item Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Summary Summary	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800 19,980 21,090 24,700 40,880	No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education	Mone None None None None None Mone Mone None None None None None None	Short-term on-the-jc	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099 37-0000 37-1000 37-1011	Line item Line item Line item Line item Summary Line item Summary Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 8 83.0 \$ 97.9 \$ 11.3 \$ 78.2 \$ 49.3 \$ 30.3 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800 19,980 21,090 40,880 40,880 38,190	No formal education High school diploma	None None None None None None None None	Short-term on-the-jc None	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9099 37-0000 37-1010 37-1011	Line item Line item Line item Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$ 30.3 \$ 19.0 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 19,980 21,090 24,700 40,880 38,190 45,740	No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education No formal education	None None None None None None None None	Short-term on-the-jc	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099 37-0000 37-1010 37-1011 37-2000	Line item Line item Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Summary Summary Line item Line item Line item Line item Line item Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 113.2 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$ 30.3 \$ 19.0 \$ 558.3 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 19,980 21,090 24,700 40,880 40,880 40,880 40,880 45,740 45,740 23,560		None None None None None None None None	Short-term on-the-jc None	ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9099 37-0000 37-1001 37-1011 37-2000 37-2010	Line item Line item Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Line item Summary Summary Line item Summary Line item Summary Line item Summary Summary Summary	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 9.6	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 83.0 \$ 97.9 \$ 11.3 \$ 30.3 \$ 19.0 \$ 558.3 \$ 546.7 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 20,800 19,980 40,880 40,880 38,190 45,740 23,560 23,560 23,420	No formal education High school diploma High school diploma		Short-term on-the-jc None None	ob training ob training ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers Cleaners	35-3021 35-3022 35-3031 35-3041 35-9001 35-9011 35-9021 35-9099 37-0000 37-1001 37-1012 37-2000 37-2011	Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Summary Line item Summary Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 2,384.6	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 9.8	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 8 83.0 \$ 97.9 \$ 11.3 \$ 78.2 \$ 78.2 \$ 78.2 \$ 78.2 \$ 78.2 \$ 78.2 \$ 78.5 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 20,800 21,090 21,090 40,880 38,190 45,740 23,560 23,420 24,190	No formal education High school diploma High school diploma No formal education	None None None None None None None None	Short-term on-the-jc None None Short-term on-the-jc	ob training ob training ob training ob training ob training ob training ob training ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers Cleaners Maids and housekeeping cleaners	35-3021 35-3022 35-3031 35-3041 35-9001 35-9021 35-9031 35-9099 37-0000 37-1010 37-2010 37-2010 37-2011	Line item Line item Line item Line item Summary Line item Summary Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 8.2 9.8 5.6	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$ 30.3 \$ 558.3 \$ 546.7 \$ 343.5 \$ 200.8 \$ \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 19,980 21,090 24,700 24,700 40,880 38,190 45,740 23,560 24,190 24,190	No formal education High school diploma High school diploma No formal education No formal education	None None None None None None None None	Short-term on-the-jc None None Short-term on-the-jc None None Short-term on-the-jc	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers Cleaners Maids and housekeeping cleaners Building cleaning workers, all other	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 37-0000 37-1000 37-1011 37-2010 37-2010 37-2011 37-2011 37-2019	Line item Line item Line item Line item Summary Line item Line item Line item Line item Summary Line item Line item Line item Summary Summary Line item	3,957.5 3,452.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 16.2	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4 2.0	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 8.2 8.2 8.2	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$ 30.3 \$ 19.0 \$ 558.3 \$ 546.7 \$ 343.5 \$ 200.8 \$ 2.4 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 19,980 21,090 24,700 40,880 38,190 45,740 23,560 23,420 24,190 21,820	No formal education No formal education No formal education No formal education No formal education No formal education No formal education		Short-term on-the-jo	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers Cleaners Maids and housekeeping cleaners Building cleaning workers, all other Pest control workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 37-0000 37-1000 37-1012 37-2010 37-2010 37-2011 37-2012 37-2012 37-2012	Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Summary Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 16.2 78.9	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3 85.2	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4 2.0 6.3	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 9.8 8.2 9.8 5.6 12.6 8.0	0.3 0.1 0.1 0.5 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8 6.4	102.3 \$ 849.2 \$ 736.0 \$ 113.2 \$ 113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 49.3 \$ 30.3 \$ 19.0 \$ 558.3 \$ 546.7 \$ 343.5 \$ 200.8 \$ 2.4 \$ 11.6 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 19,980 21,090 24,700 40,880 40,880 23,490 24,700 45,740 23,560 24,190 24,190 24,190 24,190 24,190 33,040	No formal education High school diploma High school diploma No formal education No formal education		Short-term on-the-jc None None Short-term on-the-jc None None Short-term on-the-jc	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers cleaners Maids and housekeeping cleaners Building cleaning workers, all other Pest control workers Grounds maintenance workers	35-3021 35-3022 35-3041 35-3041 35-9001 35-9011 35-9021 35-9093 37-0000 37-1010 37-1012 37-2010 37-2010 37-2012 37-2012 37-2019 37-2019	Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Line item Summary Summary Line item Summary Line item Line item Line item Line item Summary Line item Summary	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 78.9 1,309.3	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3 85.2 1,442.7	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4 2.0 6.3 133.4	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 8.2 9.8 5.6 12.6 8.0	0.3 0.1 0.1 0.5 0.1 0.5 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8 6.4 21.7	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 8 83.0 \$ 97.9 \$ 11.3 \$ 78.2 \$ 78.5 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 19,980 21,090 40,880 38,190 45,740 23,420 24,4700 40,880 38,190 45,740 23,420 24,490 2	No formal education High school diploma High school diploma No formal education High school diploma	None None None None None None None None	Short-term on-the-jc None None Short-term on-the-jc Short-term on-the-jc Short-term on-the-jc	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers cleaners Maids and housekeeping cleaners Building cleaning workers, all other Pest control workers Grounds maintenance workers Landscaping and groundskeeping workers	35-3021 35-3022 35-3031 35-3031 35-9000 35-9011 35-9021 35-9099 37-0000 37-1001 37-2010 37-2010 37-2011 37-2012 37-2019 37-2019 37-3010	Line item Line item Line item Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 16.2 78.9 1,309.3 1,197.9	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3 85.2 1,442.7 1,321.2	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4 2.0 6.3 133.4 123.3	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 9.8 5.6 12.6 8.0	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8 6.4 21.7 21.9	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 8 83.0 \$ 97.9 \$ 11.3 \$ 78.2 \$ 11.6 \$ 19.0 \$ 558.3 \$ 200.8 \$ 2.4 \$ 11.6 \$ 175.9 \$ 161.1	20,800 19,500 19,400 19,970 19,990 21,240 20,310 20,800 19,980 21,090 24,700 40,880 38,190 45,740 23,560 23,420 24,190 21,820 24,190 21,820 29,700 21,820 26,830 26,830	No formal education High school diploma High school diploma No formal education High school diploma No formal education	None None None None None None None None	Short-term on-the-jc None None Short-term on-the-jc	ob training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers Building cleaning workers Cleaners Maids and housekeeping cleaners Building cleaning workers, all other Pest control workers Grounds maintenance workers Landscaping and groundskeeping workers Pesticide handlers, sprayers, and applicators, vegetation	35-3021 35-3022 35-3031 35-3031 35-3041 35-9001 35-9011 35-9021 35-9039 37-0000 37-1000 37-2010 37-2010 37-2011 37-2012 37-2019 37-2021 37-3001 37-3011	Line item Line item Line item Line item Summary Line item Line item Line item Line item Line item Line item Summary Summary Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 16.2 78.9 1,309.3 1,197.9 38.0	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3 85.2 1,442.7 40.7	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 6.3 133.4 123.3 2.7	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 8.2 9.8 5.6 12.6 8.0	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8 6.4 21.7 21.9	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 1113.2 \$ 1270.3 \$ 78.2 \$ 78.2 \$ 83.0 \$ 97.9 \$ 11.3 \$ 783.5 \$ 19.0 \$	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,800 19,980 21,090 24,700 24,700 45,740 23,560 23,420 24,190 26,190 26		None None None None None None None None	Short-term on-the-jc None None None Short-term on-the-jc	ob training the-job training
coffee shop Waiters and waitresses Food servers, nonrestaurant Other food preparation and serving related workers Dining room and cafeteria attendants and bartender helpers Dishwashers Hosts and hostesses, restaurant, lounge, and coffee shop Food preparation and serving related workers, all other Building and grounds cleaning and maintenance occupations workers First-line supervisors of housekeeping and janitorial workers groundskeeping workers Building cleaning and pest control workers Building cleaning workers cleaners Maids and housekeeping cleaners Building cleaning workers, all other Pest control workers Grounds maintenance workers Landscaping and groundskeeping workers	35-3021 35-3022 35-3031 35-3041 35-9000 35-9011 35-9021 35-9031 35-9031 37-0000 37-1000 37-1011 37-2011 37-2012 37-2012 37-2013 37-2013 37-2013 37-3013	Line item Line item Line item Line item Summary Line item	3,957.5 3,452.2 505.2 2,600.5 263.8 1,415.7 431.2 514.3 409.2 60.9 5,654.1 421.8 243.5 178.3 3,923.0 3,844.0 2,384.6 1,443.2 16.2 78.9 1,309.3 1,197.9	4,560.6 4,032.1 528.4 2,783.0 290.7 1,502.3 461.7 536.6 437.5 66.5 6,147.3 459.8 264.4 195.4 4,244.8 4,159.5 2,617.7 1,523.6 18.3 85.2 1,442.7 1,321.2	603.1 579.9 23.2 182.5 26.9 86.6 30.5 22.2 28.3 5.6 493.2 38.0 20.9 17.1 321.8 315.5 233.0 80.4 2.0 6.3 133.4 123.3	2.5 15.2 16.8 4.6 7.0 10.2 6.1 7.1 4.3 6.9 9.3 8.7 9.0 8.6 9.6 8.2 9.8 5.6 12.6 8.0	0.3 0.1 0.1 0.5 0.1 0.1 0.2 0.0 0.2 12.4 34.0 29.3 40.4 7.0 7.0 3.8 12.3 4.8 6.4 21.7 21.9	102.3 \$ 849.2 \$ 736.0 \$ 1113.2 \$ 522.7 \$ 43.1 \$ 270.3 \$ 8 83.0 \$ 97.9 \$ 11.3 \$ 78.2 \$ 11.6 \$ 19.0 \$ 558.3 \$ 200.8 \$ 2.4 \$ 11.6 \$ 175.9 \$ 161.1	20,800 19,500 19,440 19,970 19,990 21,240 20,310 20,200 19,980 21,090 24,700 40,880 23,420 23,420 24,190 21,820 21,820 21,820 21,820 21,820 21,820 21,820 33,040 26,830 33,740 35,030	No formal education High school diploma High school diploma No formal education High school diploma No formal education		Short-term on-the-jc None None Short-term on-the-jc	ob training the-job training the-job training

Supervisors of personal care and service workers	39-1000 Summary	326.7	364.4	37.7	11.5	28.4	39.0	\$ 37,69	10 —			ĺ
First-line supervisors of gaming workers	39-1010 Summary	50.6	52.4	1.8	3.7	40.2	8.1				+=	ĺ
Gaming supervisors	39-1011 Line item	38.5	39.9	1.3	3.5	41.7	6.2		20 High school diplom	na Less than 5 years	None	ĺ
Slot supervisors	39-1012 Line item	12.1	12.6	0.5	4.3	35.5	2.0	\$ 36,08	80 High school diplom	na Less than 5 years	None	i
First-line supervisors of personal service workers	39-1021 Line item	276.1	312.0	35.9	13.0	26.2	30.9	\$ 36,70	00 High school diplom	na Less than 5 years	None	i
Animal care and service workers	39-2000 Summary	296.4	355.1	58.7	19.8	23.6						i
Animal trainers	39-2011 Line item	54.9	60.7	5.9	10.7	46.8	7.0		High school diplom		Moderate-term on-	
Nonfarm animal caretakers	39-2021 Line item	241.5	294.4	52.8	21.9	18.3	45.2		90 High school diplom	na None	Short-term on-the-	job training
Entertainment attendants and related workers	39-3000 Summary	584.3	625.9	41.6	7.1	0.8		\$ 20,11				1
Gaming services workers	39-3010 Summary	121.0	122.6	1.6	1.4	1.3	18.1				<u> </u>	1
Gaming dealers	39-3011 Line item	96.9	98.0	1.1	1.1	1.2	14.5		High school diplom		Short-term on-the-	
Gaming and sports book writers and runners	39-3012 Line item	11.7	12.1	0.4	3.8	1.3			00 High school diplom		Short-term on-the-	
Gaming service workers, all other Motion picture projectionists	39-3019 Line item 39-3021 Line item	12.5 5.8	12.6 5.2	0.1 -0.6	0.7 -9.9	1.4 4.3	1.9 0.6		High school diplomNo formal education		Short-term on-the- Short-term on-the-	
Ushers, lobby attendants, and ticket takers	39-3021 Line item	117.7	126.4	8.8	7.5	4.3	30.5				Short-term on-the-	
Miscellaneous entertainment attendants and related workers		339.8	371.6	31.7	9.3	0.9	83.0			JIIINOHE	Short-term on-the-	I
Amusement and recreation attendants	39-3091 Line item	300.0	327.8	27.8	9.3	0.9	73.2		No formal education	on None	Short-term on-the-	i iob training
Costume attendants	39-3092 Line item	6.6	7.3	0.6	9.7	1.1	1.6		00 High school diplom		Short-term on-the-	., .
Locker room, coatroom, and dressing room attendants	39-3093 Line item	18.6	20.2	1.6	8.7	1.0	4.5		20 High school diplom		Short-term on-the-	
Entertainment attendants and related workers, all other	39-3099 Line item	14.6	16.2		11.4	1.0			70 High school diplom		Short-term on-the-	
Funeral service workers	39-4000 Summary	68.5	70.8	2.3	3.3	3.7	9.9	\$ 32,08				ĺ
Embalmers	39-4011 Line item	3.7	3.7	0.0	-0.8	_	0.6	\$ 40,15	O Associate's degree	e None	Long-term on-the-j	job training
Funeral attendants	39-4021 Line item	36.1	37.0		2.7	_			High school diplom		Short-term on-the-	job training
Morticians, undertakers, and funeral directors	39-4031 Line item	28.7	30.0		4.6	8.8	3.7		O Associate's degree	e None	Long-term on-the-	job training
Personal appearance workers	39-5000 Summary	887.3	983.8	96.5	10.9	41.1	115.9					1
Barbers, hairdressers, hairstylists and cosmetologists	39-5010 Summary	673.7	744.2	70.5	10.5	45.3	88.2					1
Barbers	39-5011 Line item	56.4	61.6	5.2	9.2	71.7			O Postsecondary noi		None	1
Hairdressers, hairstylists, and cosmetologists	39-5012 Line item	617.3	682.7	65.3	10.6	42.9	82.4		O Postsecondary noi	nd None	None	l
Miscellaneous personal appearance workers	39-5090 Summary	213.6	239.6	26.0	12.2	28.0	27.7			 	<u> </u>	ł
Makeup artists, theatrical and performance	39-5091 Line item	4.8	5.4	0.5	11.2	29.1	0.0		70 Postsecondary nor		None	ł
Manicurists and pedicurists	39-5092 Line item 39-5093 Line item	126.3 21.2	141.4 23.8	15.2 2.6	12.0 12.2	28.0 28.0	16.4 2.8		Postsecondary norNo formal education		None	iob training
Shampooers Skincare specialists	39-5093 Line item 39-5094 Line item	61.3	69.0		12.2	28.0	8.0		70 Postsecondary noi		Short-term on-the- None	job training
Baggage porters, bellhops, and concierges	39-6000 Summary	77.6	85.0		9.5	20.0				id Notice	None	ĺ
Baggage porters and bellhops	39-6011 Line item	45.1	48.8	3.7	8.2		6.7		60 High school diplom	na None	Short-term on-the-	ioh training
Concierges	39-6012 Line item	32.5	36.2	3.7	11.3		5.0		60 High school diplom		Moderate-term on-	
Tour and travel guides	39-7000 Summary	49.4	54.6		10.5	11.9		\$ 25,37		—		l lo job trail
Tour guides and escorts	39-7011 Line item	45.8	50.8		10.9	11.9	8.8		20 High school diplom	na None	Moderate-term on-	the-iob train
Travel guides	39-7012 Line item	3.6	3.8		5.5	12.5	0.7		00 High school diplom		Moderate-term on-	
Other personal care and service workers	39-9000 Summary	4,129.5	5,049.4	919.9	22.3	12.0	760.8	\$ 22,52	·· 0 —	1_	_	i '
Childcare workers	39-9011 Line item	1,216.6	1,298.7	82.1	6.7	28.8	188.8	\$ 21,17	70 High school diplom	na None	Short-term on-the-	-job training
Personal care aides	39-9021 Line item	2,016.1	2,770.1	754.0	37.4	3.6	410.3	\$ 21,92	20 High school diplom	na None	Short-term on-the-	job training
Recreation and fitness workers	39-9030 Summary	689.1	751.7	62.6	9.1	8.7	125.5	\$ 27,57	0 —		_	1
Fitness trainers and aerobics instructors	39-9031 Line item	299.2	328.4	29.3	9.8	10.9			60 High school diplom		Short-term on-the-	job training
Recreation workers	39-9032 Line item	390.0	423.3	33.3	8.5	7.0			70 High school diplom		Short-term on-the-	
Residential advisors	39-9041 Line item	118.8	134.1	15.3	12.9	_	22.4		70 High school diplom		Short-term on-the-	
Personal care and service workers, all other	39-9099 Line item	88.9	94.9	6.0	6.8	15.7	13.9		20 High school diplom	na None	Short-term on-the-	job training
Sales and related occupations	41-0000 Summary	15,747.8	16,255.2	507.4	3.2	7.8	2,208.7					İ
Supervisors of sales workers	41-1000 Summary	1,937.6	2,040.9	103.3	5.3	25.7	211.3					1
First-line supervisors of retail sales workers	41-1011 Line item	1,532.4	1,609.7	77.3	5.0	22.8	171.4		High school diplom		None	1
First-line supervisors of non-retail sales workers	41-1012 Line item	405.2	431.2	26.0	6.4	36.8	39.8		High school diplom	ia Less than 5 years	None	1
Retail sales workers Cashiers	41-2000 Summary	8,891.5	8,988.6	97.1	1.1	1.9	, -	\$ 21,57		+		1
Cashiers	41-2010 Summary 41-2011 Line item	3,578.9 3,555.5	3,550.1 3,526.0	-28.9 -29.5	-0.8 -0.8	0.6	658.4 653.9		00 — 30 No formal education	on None	Short-term on-the-	ı -ioh trainina
Gaming change persons and booth cashiers	41-2011 Line item	23.4	3,526.0	-29.5 0.6	2.7	0.6	4.5		No formal education		Short-term on-the-	
Counter and rental clerks and parts salespersons	41-2012 Line item 41-2020 Summary	710.1	748.0			0.3	94.7			ZIGLAOLIC		Job Halling
Counter and rental clerks and parts salespersons Counter and rental clerks	41-2020 Summary 41-2021 Line item	458.2	483.4			0.7	61.8		No formal education	on None	Short-term on-the-	ı -iob training
Parts salespersons	41-2021 Line item	251.9	264.6	12.8	5.1	0.9	32.9		No formal education		Moderate-term on-	
Retail salespersons	41-2031 Line item	4,602.5	4,690.6	88.1	1.9	3.2	671.7		No formal education		Short-term on-the-	
Sales representatives, services	41-3000 Summary	2,091.8	2,245.7	154.0	7.4	7.1	249.4					[
Advertising sales agents	41-3011 Line item	149.9	145.6	-4.4	-2.9	5.8	17.8		BO High school diplom	na None	Moderate-term on-	-the-job tra
Insurance sales agents	41-3021 Line item	501.4	550.0		9.7	18.4	54.5		90 High school diplom		Moderate-term on-	
Securities, commodities, and financial services sales agents		375.7	398.7	23.0	6.1	4.8	38.0		0 Bachelor's degree		Moderate-term on-	
Travel agents	41-3041 Line item	81.7	74.3	-7.5	-9.1	14.9	8.1		60 High school diplom		Moderate-term on-	
Sales representatives, services, all other	41-3099 Line item	983.0	1,077.2	94.2	9.6	1.8	130.9		High school diplom		Moderate-term on-	
Sales representatives, wholesale and manufacturing	41-4000 Summary	1,813.5	1,913.3	99.8	5.5	3.8	196.3	\$ 60,53	30 —	_		i
technical and scientific products	41-4011 Line item	343.6	362.4	18.7	5.5	3.8	37.2	\$ 78,98	Bachelor's degree	None	Moderate-term on-	-the-job tra
Sales representatives, wholesale and manufacturing, except												
technical and scientific products	41-4012 Line item	1,469.9	1,551.0	81.1	5.5	3.8	159.1		High school diplom	na None	Moderate-term on-	-the-job tra
Other sales and related workers	41-9000 Summary	1,013.4	1,066.6		5.2	33.9	126.9			<u> </u>		ı
										i e		
Models, demonstrators, and product promoters Demonstrators and product promoters	41-9010 Summary 41-9011 Line item	99.5 94.7	106.2 101.4	6.6 6.7		8.0 8.0	18.0 17.2		80 — 0 No formal education		Short-term on-the-	l .

Models	41-9012 Line item	4.8	4.8	0.0	-0.9	6.6	0.8	\$ 21,87	70 No formal education	None	None
Real estate brokers and sales agents	41-9020 Summary	444.1	471.0	26.9	6.0	56.0		\$ 46,4		_	
Real estate brokers	41-9021 Line item	95.3	100.5	5.1	5.4	56.5	9.3	\$ 56,79	High school diploma	Less than 5 years	None
Real estate sales agents	41-9022 Line item	348.8	370.5	21.7	6.2	55.8	34.6		High school diploma	None	Moderate-term on-the-job
Sales engineers	41-9031 Line item	74.9	80.1	5.2	6.9	0.1			00 Bachelor's degree	None	Moderate-term on-the-job
Telemarketers	41-9041 Line item	216.6	216.5	-0.1	0.0	0.3	33.3		00 No formal education	None	Short-term on-the-job train
Miscellaneous sales and related workers	41-9090 Summary	178.3	192.8	14.5	8.2	48.5	23.3			— N	<u> </u>
and related workers Sales and related workers, all other	41-9091 Line item	82.4 95.9	87.5 105.3	5.2 9.4	6.3 9.8	90.2	9.4	. ,	No formal education High school diploma		Short-term on-the-job train
	41-9099 Line item 43-0000 Summary	23,081.2	23,230.6	149.4	0.6	12.7	13.9 2,596.4			None	None
Office and administrative support occupations Supervisors of office and administrative support workers	43-1000 Summary	1,506.3	1,557.5	51.2	3.4	1.0 0.8		\$ 54,34			 -
workers workers	43-1011 Line item	1,506.3	1,557.5	51.2	3.4	0.8			IO High school diploma	Loop than Fugara	None
Communications equipment operators	43-2000 Summary	104.7	84.4	-20.3	-19.4	0.8	10.2			Less than 5 years	None
Switchboard operators, including answering service	43-2001 Summary	93.2	74.7	-20.3	-19.4	_	9.0		BO High school diploma	None	Short-term on-the-job train
Telephone operators	43-2021 Line item	93.2	74.7	-18.3	-22.6				00 High school diploma		Short-term on-the-job train
Communications equipment operators, all other	43-2099 Line item	2.4	2.6	0.2	10.4		0.3		High school diploma		Short-term on-the-job train
Financial clerks	43-3000 Summary	3,336.6	3,332.3	-4.3	-0.1	2.2	358.8			_	
Bill and account collectors	43-3011 Line item	305.7	296.6	-9.1	-3.0	0.7			60 High school diploma	None	Moderate-term on-the-job
Billing and posting clerks	43-3021 Line item	501.0	571.9	70.9	14.2	1.0	59.6	*,-	60 High school diploma		Moderate-term on-the-job
Bookkeeping, accounting, and auditing clerks	43-3031 Line item	1,730.5	1,706.9	-23.5	-1.4	3.8			O Some college, no de		Moderate-term on-the-job
Gaming cage workers	43-3041 Line item	19.0	19.3	0.3	1.4		3.0		High school diploma	None	Short-term on-the-job train
Payroll and timekeeping clerks	43-3051 Line item	166.3	164.7	-1.6	-0.9	0.3	16.1		High school diploma		Moderate-term on-the-job
Procurement clerks	43-3061 Line item	74.9	71.8	-3.2	-4.2	1.0			0 High school diploma		Moderate-term on-the-job
Tellers	43-3071 Line item	502.7	460.9	-41.7	-8.3	0.1	51.5		60 High school diploma	None	Short-term on-the-job train
Financial clerks, all other	43-3099 Line item	36.6	40.2	3.6	9.9	2.9	4.3		IO High school diploma		Short-term on-the-job train
Information and record clerks	43-4000 Summary	5,830.0	6,138.1	308.1	5.3	0.6		\$ 31,69		_	<u> </u>
Brokerage clerks	43-4011 Line item	60.4	63.4	3.0	5.0	_			00 High school diploma	None	Moderate-term on-the-job
Correspondence clerks	43-4021 Line item	7.2	7.4	0.2	2.1	1.1	0.8		70 High school diploma	None	Short-term on-the-job train
Court, municipal, and license clerks	43-4031 Line item	135.5	144.4	8.9	6.6	1.5	12.6	\$ 36,67	70 High school diploma	None	Moderate-term on-the-job
Credit authorizers, checkers, and clerks	43-4041 Line item	38.5	37.4	-1.1	-2.8	1.0	3.7		BO High school diploma	None	Moderate-term on-the-job
Customer service representatives	43-4051 Line item	2,784.5	2,920.5	136.0	4.9	0.5	373.4	\$ 32,30	00 High school diploma	None	Short-term on-the-job train
Eligibility interviewers, government programs	43-4061 Line item	143.1	151.6	8.5	6.0	_	13.6	\$ 43,35	60 High school diploma	None	Moderate-term on-the-job
File clerks	43-4071 Line item	135.0	121.1	-13.9	-10.3	0.7	14.2	\$ 29,09	High school diploma	None	Short-term on-the-job train
Hotel, motel, and resort desk clerks	43-4081 Line item	252.6	263.9	11.3	4.5	0.4	40.9	\$ 22,07	70 High school diploma	None	Short-term on-the-job train
Interviewers, except eligibility and loan	43-4111 Line item	194.7	205.7	11.0	5.7	0.0	24.3	\$ 32,15	60 High school diploma	None	Short-term on-the-job train
Library assistants, clerical	43-4121 Line item	104.3	114.1	9.8	9.4	_	16.3	\$ 25,22	20 High school diploma	None	Short-term on-the-job train
Loan interviewers and clerks	43-4131 Line item	229.8	258.2	28.4	12.4	0.8	25.7	\$ 38,63	High school diploma	None	Short-term on-the-job train
New accounts clerks	43-4141 Line item	42.0	39.4	-2.6	-6.2	_	4.0	\$ 34,99	High school diploma	None	Moderate-term on-the-job
Order clerks	43-4151 Line item	179.0	175.4	-3.6	-2.0	1.2	19.5		70 High school diploma	None	Short-term on-the-job train
timekeeping	43-4161 Line item	141.5	138.9	-2.6	-1.8	_	15.1	\$ 39,02	20 Associate's degree	None	None
Receptionists and information clerks	43-4171 Line item	1,053.7	1,149.4	95.7	9.1	1.0	151.2	\$ 27,92	20 High school diploma	None	Short-term on-the-job train
clerks	43-4181 Line item	150.1	155.7	5.6	3.7	0.5			30 High school diploma	None	Short-term on-the-job train
Information and record clerks, all other	43-4199 Line item	178.1	191.7	13.6	7.6	0.1	21.9	\$ 39,26	60 High school diploma	None	Short-term on-the-job train
workers	43-5000 Summary	4,117.5	4,196.8	79.3	1.9	0.7	454.1			_	_
Cargo and freight agents	43-5011 Line item	89.8	99.1	9.3	10.4	0.2	8.6	\$ 41,92	20 High school diploma	None	Short-term on-the-job train
Couriers and messengers	43-5021 Line item	95.0	103.0	8.0	8.4	20.1	9.7	\$ 28,17		None	Short-term on-the-job train
Dispatchers	43-5030 Summary	300.3	308.4	8.1	2.7	0.7	28.0			_	
Police, fire, and ambulance dispatchers	43-5031 Line item	98.6	106.7	8.2	8.3	_	10.0		70 High school diploma		Moderate-term on-the-job
Dispatchers, except police, fire, and ambulance	43-5032 Line item	201.7	201.7	0.0	0.0	1.0			High school diploma		Moderate-term on-the-job
Meter readers, utilities	43-5041 Line item	34.8	33.2	-1.5	-4.4		2.3		High school diploma	None	Short-term on-the-job train
Postal service workers	43-5050 Summary	502.4	437.1	-65.3	-13.0		26.1			_	<u> -</u>
Postal service clerks	43-5051 Line item	79.0	69.5	-9.5	-12.1		4.8		90 High school diploma	None	Short-term on-the-job train
Postal service mail carriers	43-5052 Line item	316.7	278.5	-38.2	-12.1		16.1		0 High school diploma	None	Short-term on-the-job train
machine operators	43-5053 Line item	106.7	89.1	-17.5	-16.5		5.2		20 High school diploma		Short-term on-the-job train
Production, planning, and expediting clerks	43-5061 Line item	329.4	347.3	17.9	5.4	0.6	35.5		60 High school diploma		Moderate-term on-the-job
Shipping, receiving, and traffic clerks	43-5071 Line item	681.4	681.4	0.1	0.0	0.1	67.2		80 High school diploma		Short-term on-the-job train
Stock clerks and order fillers	43-5081 Line item	2,008.6			5.0	0.2	269.3		High school diploma		Short-term on-the-job train
recordkeeping	43-5111 Line item	75.9	77.3	1.4	1.9	1.3	7.6		High school diploma	None	Short-term on-the-job train
Secretaries and administrative assistants	43-6000 Summary	3,990.4	3,798.5	-191.9	-4.8	0.9	394.7				
accietante	43-6011 Line item	685.3	566.2	-119.1	-17.4	0.9	54.6		High school diploma		None
assistants			157.5	-37.1	-19.1	1.1	15.0		High school diploma		Moderate-term on-the-job
Legal secretaries	43-6012 Line item	194.7	=					s 33.73	80 High school diploma	inone	Moderate-term on-the-job
Legal secretaries Medical secretaries	43-6012 Line item 43-6013 Line item	574.2	703.2	129.1	22.5	1.1	80.8				
Legal secretaries Medical secretaries medical, and executive	43-6012 Line item 43-6013 Line item 43-6014 Line item	574.2 2,536.2	2,371.4	-164.8	-6.5	0.9	244.3	\$ 34,82	20 High school diploma		Short-term on-the-job train
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary	574.2 2,536.2 4,195.7	2,371.4 4,123.0	-164.8 -72.7	-6.5 -1.7	0.9 1.0	244.3 465.5	\$ 34,82 \$ 31,59	20 High school diploma 90 —	None —	Short-term on-the-job train
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item	574.2 2,536.2 4,195.7 51.5	2,371.4 4,123.0 39.7	-164.8 -72.7 -11.8	-6.5 -1.7 -22.9	0.9 1.0 5.1	244.3 465.5 3.4	\$ 34,82 \$ 31,59 \$ 42,27	20 High school diploma 20 — 70 High school diploma	None —	
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators Data entry and information processing workers	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item 43-9020 Summary	574.2 2,536.2 4,195.7 51.5 278.7	2,371.4 4,123.0 39.7 210.6	-164.8 -72.7 -11.8 -68.1	-6.5 -1.7 -22.9 -24.4	0.9 1.0 5.1 3.1	244.3 465.5 3.4 21.3	\$ 34,82 \$ 31,59 \$ 42,27 \$ 31,98	20 High school diploma 20 — 70 High school diploma 30 —	None None None	Short-term on-the-job trair Moderate-term on-the-job —
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators Data entry and information processing workers Data entry keyers	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item 43-9020 Summary 43-9021 Line item	574.2 2,536.2 4,195.7 51.5 278.7 203.8	2,371.4 4,123.0 39.7 210.6 160.8	-164.8 -72.7 -11.8 -68.1 -43.1	-6.5 -1.7 -22.9 -24.4 -21.1	0.9 1.0 5.1 3.1 1.6	244.3 465.5 3.4 21.3 16.8	\$ 34,82 \$ 31,59 \$ 42,27 \$ 31,98 \$ 30,10	20 High school diploma 20 — 70 High school diploma 30 — 30 High school diploma	None None None None	Short-term on-the-job train Moderate-term on-the-job Short-term on-the-job train
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators Data entry and information processing workers Data entry keyers Word processors and typists	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item 43-9020 Summary 43-9021 Line item 43-9022 Line item	574.2 2,536.2 4,195.7 51.5 278.7 203.8 74.9	2,371.4 4,123.0 39.7 210.6 160.8 49.9	-164.8 -72.7 -11.8 -68.1 -43.1 -25.0	-6.5 -1.7 -22.9 -24.4 -21.1 -33.4	0.9 1.0 5.1 3.1 1.6 7.2	244.3 465.5 3.4 21.3 16.8 4.5	\$ 34,82 \$ 31,59 \$ 42,27 \$ 31,98 \$ 30,10 \$ 38,74	20 High school diploma 20 — 70 High school diploma 30 — 90 High school diploma 10 High school diploma	None None None None None None	Short-term on-the-job train Moderate-term on-the-job Short-term on-the-job train Short-term on-the-job train
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators Data entry and information processing workers Data entry keyers Word processors and typists Desktop publishers	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item 43-9020 Summary 43-9021 Line item 43-9021 Line item 43-9031 Line item 43-9031 Line item	574.2 2,536.2 4,195.7 51.5 278.7 203.8 74.9 14.6	2,371.4 4,123.0 39.7 210.6 160.8 49.9 12.6	-164.8 -72.7 -11.8 -68.1 -43.1 -25.0 -2.0	-6.5 -1.7 -22.9 -24.4 -21.1 -33.4 -13.9	0.9 1.0 5.1 3.1 1.6 7.2 7.0	244.3 465.5 3.4 21.3 16.8 4.5	\$ 34,82 \$ 31,59 \$ 42,27 \$ 31,98 \$ 30,10 \$ 38,74 \$ 41,09	20 High school diploma 100 — 101 High school diploma 103 — 100 High school diploma 101 High school diploma 102 Associate's degree	None None None None None None None None	Short-term on-the-job trair Moderate-term on-the-job Short-term on-the-job trair Short-term on-the-job trair Short-term on-the-job trair
Legal secretaries Medical secretaries medical, and executive Other office and administrative support workers Computer operators Data entry and information processing workers Data entry keyers Word processors and typists	43-6012 Line item 43-6013 Line item 43-6014 Line item 43-9000 Summary 43-9011 Line item 43-9020 Summary 43-9021 Line item 43-9022 Line item	574.2 2,536.2 4,195.7 51.5 278.7 203.8 74.9	2,371.4 4,123.0 39.7 210.6 160.8 49.9	-164.8 -72.7 -11.8 -68.1 -43.1 -25.0	-6.5 -1.7 -22.9 -24.4 -21.1 -33.4	0.9 1.0 5.1 3.1 1.6 7.2	244.3 465.5 3.4 21.3 16.8 4.5	\$ 34,82 \$ 31,56 \$ 42,27 \$ 31,98 \$ 30,10 \$ 38,74 \$ 41,00 \$ 38,43	20 High school diploma 20 — 70 High school diploma 30 — 90 High school diploma 10 High school diploma	None None None None None None None	Short-term on-the-job train Moderate-term on-the-job Short-term on-the-job train Short-term on-the-job train

Office machine operators, except computer	43-9071 Line item	59.9	50.5	-9.4	-15.6	_	5.1 \$	30,460	High school diploma	None	Short-term on-the-	job training
Proofreaders and copy markers	43-9081 Line item	14.2	14.5	0.3	2.2	12.3	2.2 \$		Bachelor's degree	None	None	,
Statistical assistants	43-9111 Line item	11.8	12.9	1.1	9.2	_	1.6 \$	46,850	Bachelor's degree	None	None	
Office and administrative support workers, all other	43-9199 Line item	243.2	265.5	22.3	9.2	4.0	29.5 \$	34,020	High school diploma	None	Short-term on-the-	job training
	45-0000 Summary	1,060.1	1,060.6	0.5	0.0	4.0	155.0 \$	23,510		_	_	
Supervisors of farming, fishing, and forestry workers	45-1000 Summary	48.7	51.0	2.2	4.6	12.3	6.7 \$	45,320				
workers	45-1011 Line item	48.7	51.0	2.2	4.6	12.3	6.7 \$	45,320		Less than 5 years	None	
Agricultural workers	45-2000 Summary	914.8	915.0	0.3	0.0	0.5	136.7 \$			<u> </u>	<u> </u>	
Agricultural inspectors	45-2011 Line item	15.6	16.3	0.7	4.6	_	2.2 \$			None	Moderate-term on-	
Animal breeders	45-2021 Line item	9.0	9.2	0.2	2.0	_	1.4 \$		High school diploma	None	Short-term on-the-	
Graders and sorters, agricultural products	45-2041 Line item	42.9	42.5	-0.4	-0.9	0.2	5.7 \$	22,520		None	Short-term on-the-	job training
Miscellaneous agricultural workers	45-2090 Summary 45-2091 Line item	847.3 63.9	847.0 67.5	-0.2 3.6	0.0 5.6	0.5 0.6	127.5 \$ 10.2 \$	22,520		Mono.	Madarata tarm an	the ich trainin
Agricultural equipment operators	+	503.7	509.5	5.8		0.6	76.8 \$			None	Moderate-term on- Short-term on-the-	
greenhouse		268.1	258.1	-10.1	1.1 -3.8	0.7	38.6 \$		No formal education No formal education	None None		
Farmworkers, farm, ranch, and aquacultural animals Agricultural workers, all other	45-2093 Line item 45-2099 Line item	11.6	12.1	0.5	4.5	0.2	1.8 \$		No formal education	None	Short-term on-the- Short-term on-the-	
Fishing and hunting workers	45-3000 Line item	27.0	29.0	2.0	7.2	60.6	2.9 \$		educational	None	on-the-job	Job training
Forest, conservation, and logging workers	45-4000 Summary	69.6	65.6	-4.0	-5.8	22.3	8.6 \$	36,510				
Forest and conservation workers	45-4011 Line item	14.3	14.1	-0.2	-1.3	13.6	2.2 \$			None	Moderate-term on-	the inh trainir
Logging workers	45-4020 Summary	55.3	51.5	-3.8	-7.0	24.6	6.4 \$	37,590		_		the job trainin
Fallers	45-4021 Line item	7.5	6.7	-0.8	-10.5	25.1	0.8 \$		High school diploma	None	Moderate-term on-	the ich trainir
Logging equipment operators	45-4022 Line item	39.1	36.3	-2.7	-7.0	24.6	4.5 \$		High school diploma	None	Moderate-term on-	
Log graders and scalers	45-4023 Line item	4.2	4.3	0.1	2.7	25.1	0.6 \$		High school diploma	None	Moderate-term on-	
Logging workers, all other	45-4029 Line item	4.5	4.1	-0.4	-9.5	23.3	0.5 \$		High school diploma	None	Moderate-term on-	
Construction and extraction occupations	47-0000 Summary	6,812.5	7,570.8	758.4	11.1	17.5	799.7 \$	43,610		_	_	,
Supervisors of construction and extraction workers	47-1000 Summary	602.5	678.8	76.3	12.7	10.2	68.5 \$	62,980	<u> </u>	_	_	
	47-1011 Line item	602.5	678.8	76.3	12.7	10.2	68.5 \$		High school diploma	5 years or more	None	
Construction trades workers	47-2000 Summary	5,347.0	5,918.4	571.4	10.7	20.6	612.0 \$	42,310		_	_	
Boilermakers	47-2011 Line item	17.2	18.6	1.4	8.4	3.2	1.9 \$		High school diploma	None	Apprenticeship	
Brickmasons, blockmasons, and stonemasons	47-2020 Summary	110.0	121.5	11.5	10.5	29.8	10.9 \$	47,590		_	_	
Brickmasons and blockmasons	47-2021 Line item	91.1	100.8	9.7	10.6	29.8	9.1 \$			None	Apprenticeship	
Stonemasons	47-2022 Line item	18.9	20.7	1.9	9.8	29.9	1.9 \$		High school diploma	None	Apprenticeship	
Carpenters	47-2031 Line item	1,025.6	1,112.6	87.0	8.5	33.2	104.9 \$	43,600	High school diploma	None	Apprenticeship	
Carpet, floor, and tile installers and finishers	47-2040 Summary	122.3	134.5	12.1	9.9	35.9	11.9 \$	39,150		_		
Carpet installers	47-2041 Line item	40.4	44.4	3.9	9.8	35.9	3.9 \$	38,280	No formal educations	None	Short-term on-the-	job training
Floor layers, except carpet, wood, and hard tiles	47-2042 Line item	16.3	18.0	1.6	10.0	35.8	1.6 \$	37,840	No formal education	None	Moderate-term on-	the-job trainir
Floor sanders and finishers	47-2043 Line item	7.3	8.0	0.7	9.8	35.9	0.7 \$	36,860	No formal educations	None	Moderate-term on-	the-job trainir
Tile and marble setters	47-2044 Line item	58.3	64.2	5.8	10.0	35.9	5.7 \$	40,460	No formal educations	None	Long-term on-the-	job training
Cement masons, concrete finishers, and terrazzo workers	47-2050 Summary	182.5	205.5	23.0	12.6	2.4	22.8 \$	39,210	_	_	_	
Cement masons and concrete finishers	47-2051 Line item	178.9	201.5	22.6	12.6	2.4	22.4 \$	39,180	No formal education	None	Moderate-term on-	the-job trainir
Terrazzo workers and finishers	47-2053 Line item	3.6	4.0	0.4	12.3	2.4	0.4 \$	40,930	High school diploma	None	Apprenticeship	
Construction laborers	47-2061 Line item	1,216.7	1,370.0	153.3	12.6	25.1	145.7 \$	33,430	No formal education	None	Short-term on-the-	job training
Construction equipment operators	47-2070 Summary	426.6	479.4	52.8	12.4	3.1	54.0 \$	45,040	_	_	_	
	47-2071 Line item	51.9	58.2	6.3	12.1	0.3	6.2 \$			None	Moderate-term on-	the-job trainir
	47-2072 Line item	3.7	4.2	0.5	14.7	4.1	0.5 \$		High school diploma	None	Moderate-term on-	the-job trainir
	47-2073 Line item	371.1	417.1	45.9	12.4	3.5	47.3 \$	45,890	High school diploma	None	Moderate-term on-	the-job trainir
Drywall installers, ceiling tile installers, and tapers	47-2080 Summary	143.2	144.7	1.5	1.1	22.3	12.6 \$		_	_	_	
	47-2081 Line item	119.5	120.9	1.4	1.2	22.3	10.5 \$		No formal education		Moderate-term on-	
	47-2082 Line item	23.7	23.8	0.1	0.6	22.3	2.1 \$			None	Moderate-term on-	the-job traini
Electricians	47-2111 Line item	666.9	727.0	60.1	9.0	8.1	82.1 \$		High school diploma	None	Apprenticeship	
Glaziers	47-2121 Line item	50.1	55.4	5.3	10.6	5.3	6.5 \$	41,920	High school diploma	None	Apprenticeship	
										_	1	
Insulation workers	47-2130 Summary	59.5	62.7	3.2	5.4	4.9	6.6 \$	39,280			01	
Insulation workers, floor, ceiling, and wall	47-2131 Line item	30.9	31.4	0.4	1.3	5.0	3.3 \$	35,660	No formal education	None	Short-term on-the-	job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical	47-2131 Line item 47-2132 Line item	30.9 28.6	31.4 31.4	0.4 2.8	1.3 9.7	5.0 4.9	3.3 \$ 3.4 \$	35,660 45,430	No formal education High school diploma	None None	Short-term on-the- Apprenticeship	job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers	47-2131 Line item 47-2132 Line item 47-2140 Summary	30.9 28.6 387.3	31.4 31.4 411.0	0.4 2.8 23.7	1.3 9.7 6.1	5.0 4.9 42.3	3.3 \$ 3.4 \$ 35.9 \$	35,660 45,430 37,520	No formal education High school diploma —	None —	Apprenticeship —	,
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item	30.9 28.6 387.3 381.5	31.4 31.4 411.0 405.0	0.4 2.8 23.7 23.4	1.3 9.7 6.1 6.1	5.0 4.9 42.3 42.3	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$	35,660 45,430 37,520 37,570	No formal education High school diploma — No formal education	None — None	Apprenticeship — Moderate-term on-	the-job traini
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item	30.9 28.6 387.3 381.5 5.7	31.4 31.4 411.0 405.0 6.0	0.4 2.8 23.7 23.4 0.3	1.3 9.7 6.1 6.1 5.0	5.0 4.9 42.3 42.3 43.9	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$	35,660 45,430 37,520 37,570 33,770	No formal education High school diploma — No formal education No formal education	None — None	Apprenticeship —	the-job trainir
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary	30.9 28.6 387.3 381.5 5.7 524.8	31.4 31.4 411.0 405.0 6.0 608.2	0.4 2.8 23.7 23.4 0.3 83.4	1.3 9.7 6.1 6.1 5.0	5.0 4.9 42.3 42.3 43.9 12.4	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$	35,660 45,430 37,520 37,570 33,770 50,300	No formal education High school diploma — No formal education No formal education —	None None None	Apprenticeship — Moderate-term on- Long-term on-the- —	-the-job traini job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1	31.4 31.4 411.0 405.0 6.0 608.2 51.7	0.4 2.8 23.7 23.4 0.3 83.4 7.6	1.3 9.7 6.1 6.1 5.0 15.9	5.0 4.9 42.3 42.3 43.9 12.4 10.7	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410	No formal education High school diploma No formal education No formal education Hormal education Hormal education	None None None None None	Apprenticeship Moderate-term on-the- Short-term on-the-	-the-job trainir
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item 47-2152 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450	No formal education High school diploma No formal education No formal education No formal education High school diploma	None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship	-the-job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item 47-2152 Line item 47-2151 Line item 47-2151 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 38,890	No formal education High school diploma — No formal education No formal education — No formal education High school diploma No formal education	None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the-	-the-job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2151 Summary 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 38,890 47,600	No formal education High school diploma No formal education No formal education No formal education High school diploma No formal education High school diploma	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship	the-job traini job training job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2141 Line item 47-2150 Summary 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item 47-2171 Line item 47-2181 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8 22.5	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 —	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 38,890 47,600 37,760	No formal education High school diploma No formal education No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma No formal education	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on-	the-job training job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item 47-2171 Line item 47-2181 Line item 47-2181 Line item 47-2211 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8 22.5 162.7	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 — 20.9 1.9	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 16.2 \$	35,660 45,430 37,520 37,570 50,300 38,410 51,450 38,890 37,760 46,940	No formal education High school diploma No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma High school diploma High school diploma	None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship	the-job traini job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item 47-2151 Line item 47-2161 Line item 47-2171 Line item 47-2171 Line item 47-2181 Line item 47-2181 Line item 47-2211 Line item 47-2221 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8 22.5 162.7 151.0 79.2	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 — 20.9 1.9 0.9	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 8.7 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 38,890 47,600 46,940 51,800	No formal education High school diploma — No formal education No formal education — No formal education High school diploma No formal education High school diploma No formal education High school diploma High school diploma High school diploma	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship Apprenticeship	the-job traini job training job training job training the-job traini
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers Solar photovoltaic installers	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2151 Line item 47-2151 Line item 47-2152 Line item 47-2151 Line item 47-2171 Line item 47-2171 Line item 47-2211 Line item 47-2211 Line item 47-22211 Line item 47-2231 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8 22.5 162.7 151.0 79.2	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0 9.0	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7 12.8 105.3	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 16.2 \$ 8.7 \$ 3.0 \$	35,660 45,430 37,520 37,570 50,300 38,410 51,450 37,760 46,940 51,800 39,240	No formal education High school diploma	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship	the-job training job training job training job training job training the-job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers Solar photovoltaic installers Helpers, construction trades	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2141 Line item 47-2151 Line item 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item 47-2171 Line item 47-2181 Line item 47-2211 Line item 47-2221 Line item 47-2221 Line item 47-2231 Line item 47-2300 Summary	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2 11.3	31.4 31.4 411.0 405.0 6.0 608.2 51.7 556.4 28.8 22.5 162.7 151.0 79.2 23.2 262.8	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0 9.0 11.9	1.3 9.7 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7 12.8 105.3 12.9	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 — 20.9 1.9 0.9 20.3 1.0	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 16.2 \$ 8.7 \$ 3.0 \$ 37.4 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 37,760 46,940 51,800 39,240 29,180	No formal education High school diploma No formal education No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma High school diploma High school diploma High school diploma High school diploma	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship Apprenticeship Moderate-term on-	the-job training job training job training job training job training the-job training.
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers Solar photovoltaic installers Helpers, construction trades and marble setters	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2141 Line item 47-2151 Line item 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item 47-2181 Line item 47-2181 Line item 47-2211 Line item 47-2221 Line item 47-2231 Line item 47-3000 Summary 47-3011 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2 11.3 232.7	31.4 31.4 411.0 405.0 608.2 51.7 556.4 22.5 162.7 151.0 79.2 23.2 262.8 27.0	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0 9.0 11.9 30.1 2.9	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7 12.8 105.3 12.9 12.1	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 — 20.9 1.9 0.9 20.3 1.0	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 16.2 \$ 8.7 \$ 3.0 \$ 37.4 \$ 3.8 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 51,450 47,660 37,760 46,940 51,800 39,240 29,180 30,570	No formal education High school diploma No formal education No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma	None None None None None None None None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship Apprenticeship Moderate-term on- Short-term on-the-	the-job trainir job training job training job training the-job trainir the-job trainir
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers Solar photovoltaic installers Helpers, construction trades and marble setters Helpers—carpenters	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2142 Line item 47-2150 Summary 47-2151 Line item 47-2151 Line item 47-2151 Line item 47-2161 Line item 47-2171 Line item 47-2171 Line item 47-2181 Line item 47-2211 Line item 47-2221 Line item 47-2231 Line item 47-3000 Summary 47-3011 Line item 47-3011 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2 11.3 232.7 24.1 36.7	31.4 31.4 411.0 405.0 608.2 51.7 556.4 28.8 22.5 162.7 151.0 79.2 23.2 262.8 27.0 41.4	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0 9.0 11.9 30.1 2.9 4.7	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7 12.8 105.3 12.9 12.1 12.8	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 ————————————————————————————————————	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 8.7 \$ 3.0 \$ 3.74 \$ 3.8 \$ 5.9 \$	35,660 45,430 37,520 37,570 33,770 50,300 38,410 47,600 37,760 51,800 39,240 29,180 30,570 28,810	No formal education High school diploma — No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma	None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship Apprenticeship Moderate-term on- Short-term on-the- Short-term on-the-	the-job training job training job training the-job training the-job training the-job training job training job training
Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers Plumbers, pipefitters, and steamfitters Plasterers and stucco masons Reinforcing iron and rebar workers Roofers Sheet metal workers Structural iron and steel workers Solar photovoltaic installers Helpers, construction trades and marble setters Helpers—carpenters Helpers—electricians	47-2131 Line item 47-2132 Line item 47-2140 Summary 47-2141 Line item 47-2141 Line item 47-2151 Line item 47-2151 Line item 47-2152 Line item 47-2161 Line item 47-2171 Line item 47-2181 Line item 47-2181 Line item 47-2211 Line item 47-2221 Line item 47-2231 Line item 47-3000 Summary 47-3011 Line item	30.9 28.6 387.3 381.5 5.7 524.8 44.1 480.6 27.7 20.1 146.2 138.9 70.2 11.3 232.7	31.4 31.4 411.0 405.0 608.2 51.7 556.4 22.5 162.7 151.0 79.2 23.2 262.8 27.0	0.4 2.8 23.7 23.4 0.3 83.4 7.6 75.8 1.1 2.4 16.5 12.0 9.0 11.9 30.1 2.9	1.3 9.7 6.1 6.1 5.0 15.9 17.3 15.8 4.0 12.1 11.3 8.7 12.8 105.3 12.9 12.1	5.0 4.9 42.3 42.3 43.9 12.4 10.7 12.6 18.0 — 20.9 1.9 0.9 20.3 1.0	3.3 \$ 3.4 \$ 35.9 \$ 35.4 \$ 0.5 \$ 66.8 \$ 5.7 \$ 61.1 \$ 2.7 \$ 2.4 \$ 16.6 \$ 16.2 \$ 8.7 \$ 3.0 \$ 37.4 \$ 3.8 \$	35,660 45,430 37,520 37,570 50,300 38,410 47,600 37,760 47,600 37,760 49,400 51,800 39,240 29,180 30,570 28,810	No formal education High school diploma No formal education No formal education No formal education High school diploma No formal education High school diploma No formal education High school diploma	None	Apprenticeship Moderate-term on- Long-term on-the- Short-term on-the- Apprenticeship Long-term on-the- Apprenticeship Moderate-term on- Apprenticeship Apprenticeship Moderate-term on- Short-term on-the-	the-job training job training job training the-job training the-job training job training job training job training

11.1	47.0040	Irea secon	40.0	44.5	4.0	40.4	4.0	4.0	07.070	IN. 6	la constant	Total de la constant
Helpersroofers		Line item	10.2	11.5	1.3	12.4	1.0	1.6 \$		No formal education		Short-term on-the-job training
Helpers, construction trades, all other		Line item	22.1	24.8	2.7	12.1	0.9	3.5 \$	29,270	No formal education	None	Short-term on-the-job training
Other construction and related workers	47-4000		435.8	480.5	44.6	10.2	5.6	53.2 \$	42,960		_	
Construction and building inspectors	47-4011	Line item	105.1	115.6	10.5	9.9	7.6	12.7 \$	58,480	High school diploma	_	Moderate-term on-the-job trainir
Elevator installers and repairers	47-4021	Line item	22.1	24.8	2.7	12.1	_	3.0 \$	78,890	High school diploma		Apprenticeship
Fence erectors	47-4031	Line item	25.1	28.0	2.8	11.2	15.1	3.2 \$		No formal education		Moderate-term on-the-job trainir
Hazardous materials removal workers	47-4041	Line item	46.2	54.1	7.9	17.1	4.0	6.7 \$	40,640	High school diploma		Moderate-term on-the-job trainir
Highway maintenance workers	47-4051	Line item	149.9	160.2	10.3	6.9	1.0	16.5 \$	38,130	High school diploma		Moderate-term on-the-job trainir
Rail-track laying and maintenance equipment operators	47-4061	Line item	14.0	15.2	1.2	8.6		1.5 \$		High school diploma		Moderate-term on-the-job trainir
Septic tank servicers and sewer pipe cleaners	47-4071	Line item	28.5	33.3	4.8	16.9	7.0	4.3 \$	36,430	High school diploma	None	Moderate-term on-the-job trainir
Miscellaneous construction and related workers	47-4090	Summary	44.8	49.3	4.5	10.0	16.7	5.3 \$	36,670	_	_	_
Segmental pavers	47-4091	Line item	2.1	2.4	0.3	12.4	20.7	0.3 \$	33,530	High school diploma	None	Moderate-term on-the-job trainir
Construction and related workers, all other	47-4099	Line item	42.7	46.9	4.2	9.9	16.5	5.1 \$	36,890	High school diploma	None	Moderate-term on-the-job trainir
Extraction workers	47-5000	Summary	194.4	230.4	36.0	18.5	1.9	28.6 \$	44,390	_	_	_
mining	47-5010	Summary	69.2	85.8	16.6	24.0	_	10.8 \$	49,720	_	_	_
Derrick operators, oil and gas	47-5011	Line item	11.1	13.9	2.8	25.7	_	1.8 \$	48,130	No formal education	None	Short-term on-the-job training
Rotary drill operators, oil and gas	47-5012	Line item	16.7	20.8	4.0	24.2	_	2.6 \$	54,430	No formal education	None	Moderate-term on-the-job trainir
Service unit operators, oil, gas, and mining	47-5013	Line item	41.4	51.1	9.7	23.4	_	6.4 \$	48,610	No formal education	None	Moderate-term on-the-job trainir
Earth drillers, except oil and gas	47-5021	Line item	19.6	23.5	3.9	19.7	8.3	2.6 \$	44,360	High school diploma	None	Moderate-term on-the-job trainir
Explosives workers, ordnance handling experts, and blaster		Line item	6.3	6.8	0.5	7.1		0.8 \$		High school diploma		Long-term on-the-job training
Mining machine operators	47-5040	Summary	20.6	19.9	-0.8	-3.7	5.5	2.3 \$	51,480	_	_	
Continuous mining machine operators	47-5041	Line item	12.3	11.8	-0.5	-3.9	5.5	1.4 \$	51,840	No formal education	None	Moderate-term on-the-job trainir
Mine cutting and channeling machine operators		Line item	6.1	5.8	-0.3	-4.7	5.5	0.7 \$		High school diploma		Moderate-term on-the-job training
Mining machine operators, all other	47-5042		2.2	2.2	0.0	0.1	5.5	0.7 \$		High school diploma		Moderate-term on-the-job training
Rock splitters, quarry	47-5043	Line item	3.7	3.5	-0.2	-6.3	5.5	0.4 \$	34,020	No formal education		Short-term on-the-job training
Roof bolters, mining	47-5061	Line item	3.7	3.5	-0.2	-5.2		0.4 \$		High school diploma		Moderate-term on-the-job training
Roustabouts, oil and gas	47-5061	Line item	50.0	62.3	12.2	24.5	1.8	8.0 \$	37,340	No formal education		Moderate-term on-the-job trainir
Helpersextraction workers	47-5081	Line item	17.0	20.3	3.3	19.7	_	2.6 \$		High school diploma		Moderate-term on-the-job trainir
Extraction workers, all other	47-5099	_	4.2	4.8	0.7	15.9		0.6 \$		High school diploma	Ivone	Moderate-term on-the-job trainir
Installation, maintenance, and repair occupations	49-0000		5,905.4	6,301.5	396.1	6.7	5.2	611.7 \$	43,440	_	_	
Supervisors of installation, maintenance, and repair workers	49-1000		462.2	495.0	32.8	7.1	0.1	43.4 \$	63,540	_	_	_
First-line supervisors of mechanics, installers, and repairers		Line item	462.2	495.0	32.8	7.1	0.1	43.4 \$	63,540	High school diploma	Less than 5 years	None
repairers	49-2000	,	628.1	623.0	-5.1	-0.8	5.4	61.1 \$	48,780	_	_	_
Computer, automated teller, and office machine repairers	49-2011	Line item	119.5	118.6	-0.8	-0.7	14.9	11.4 \$		Some college, no de	None	Short-term on-the-job training
repairers	49-2020	Summary	252.1	234.9	-17.1	-6.8	2.2	23.6 \$	53,540	_	_	_
Radio, cellular, and tower equipment installers and repair	s 49-2021	Line item	14.5	15.3	0.8	5.5	2.1	1.6 \$	52,480	Associate's degree	None	Moderate-term on-the-job trainir
except line installers	49-2022	Line item	237.6	219.6	-17.9	-7.6	2.3	21.9 \$	53,640	Postsecondary nond	None	Moderate-term on-the-job trainir
Miscellaneous electrical and electronic equipment												
mechanics, installers, and repairers	49-2090	Summary	256.5	269.4	12.9	5.0	4.1	26.1 \$	50,420	_	_	<u> </u>
Avionics technicians	49-2091	Line item	17.5	18.6	1.1	6.0	_	1.5 \$	60,760	Associate's degree	None	None
Electric motor, power tool, and related repairers	49-2092	Line item	17.3	18.6	1.2	7.0	1.7	1.8 \$	41,570	High school diploma	Less than 5 years	Moderate-term on-the-job trainir
transportation equipment	49-2093		13.9	14.3	0.4	2.9	_	1.3 \$		Postsecondary nond		Long-term on-the-job training
industrial equipment	49-2094	Line item	68.3	69.9	1.6	2.4	_	6.1 \$	56,250	Postsecondary nond		Long-term on-the-job training
substation, and relay	49-2095		23.4	24.3	0.9	3.7	_	2.1 \$	75,670	Postsecondary nond		Moderate-term on-the-job trainir
vehicles	49-2096		12.1	9.0	-3.0	-25.2	1.9	0.7 \$		High school diploma		Moderate-term on-the-job trainir
repairers	49-2097	Line item	31.7	32.1	0.4	1.2	19.8	3.3 \$	37,410	Postsecondary nond		Short-term on-the-job training
Security and fire alarm systems installers	49-2098	_	72.3	82.6	10.4	14.4	5.1	9.4 \$	44,330	High school diploma		Moderate-term on-the-job training
repairers		Summary	1,750.2	1,869.7	119.5	6.8	8.7	180.9 \$	40,930	r light school diploma	INOTIC	INIOGERALE-LEITH OH-LITE-JOD TRAITIII
	49-3000		1,730.2	138.4	6.4	4.9	0.7	10.8 \$		Postsecondary nond	— None	None
Aircraft mechanics and service technicians		_								Postsecondary nond	inone	None
Automotive technicians and repairers	49-3020		930.0	992.7	62.8	6.7	12.3	95.1 \$	38,860	High pobact distance	— None	Long torm on the left training
Automotive body and related repairers	49-3021	Line item	160.4	174.3	13.9	8.7	9.3	17.2 \$	41,540	High school diploma		Long-term on-the-job training
Automotive glass installers and repairers	49-3022	Line item	19.6	20.9	1.3	6.6	3.8	2.1 \$	34,340	High school diploma		Moderate-term on-the-job trainir
Automotive service technicians and mechanics	49-3023	Line item	749.9	797.5	47.6	6.3	13.1	75.9 \$		Postsecondary nond		Short-term on-the-job training
Bus and truck mechanics and diesel engine specialists	49-3031	Line item	278.8	305.3	26.5	9.5	6.9	28.3 \$	45,170	High school diploma	None	Long-term on-the-job training
and mechanics	49-3040		192.1	206.8	14.7	7.7	2.8	20.2 \$	47,690	<u> </u>	_	_
Farm equipment mechanics and service technicians		Line item	42.5	45.6	3.2	7.4		4.5 \$	37,820	High school diploma	None	Long-term on-the-job training
Mobile heavy equipment mechanics, except engines		Line item	127.4	137.8	10.4	8.2		13.5 \$		High school diploma		Long-term on-the-job training
Rail car repairers	49-3043	Line item	22.3	23.4	1.1	5.1	2.9	2.3 \$	55,000	High school diploma	None	Long-term on-the-job training
Small engine mechanics	49-3050	Summary	79.3	84.0	4.7	5.9	12.2	8.8 \$	35,280	<u> </u>		
Motorboat mechanics and service technicians		Line item	23.4	23.5	0.1	0.6		2.4 \$		High school diploma	None	Long-term on-the-job training
Motorcycle mechanics		Line item	18.3	18.6	0.3	1.4	12.4	1.9 \$		Postsecondary nond		Short-term on-the-job training
mechanics		Line item	37.6	41.9	4.3	11.4	12.0	4.5 \$		High school diploma		Moderate-term on-the-job trainir
installers, and repairers		Summary	138.0	142.4	4.4	3.2		17.7 \$	26,140	<u></u>	_	
Bicycle repairers		Line item	12.4	16.1	3.7	29.4	1.9	2.1 \$		High school diploma	None	Moderate-term on-the-job trainir
Recreational vehicle service technicians		Line item	13.8	13.7	-0.1	-1.1		1.7 \$		High school diploma		Long-term on-the-job training
		Line item	111.7	112.6	0.9	0.8	1.8	13.9 \$		High school diploma		Short-term on-the-job training
				3,313.8	248.9	8.1	4.0	326.3 \$	40,930	r iigii sonool uipiolila	110110	Chort term on the job trailing
Tire repairers and changers Other installation, maintenance, and repair occupations		Summany			∠40.5	0.1						
Other installation, maintenance, and repair occupations	49-9000	Summary	3,065.0		1 1	66	10	E & C	47 000			1
Other installation, maintenance, and repair occupations Control and valve installers and repairers	49-9000 49-9010	Summary	67.3	71.7	4.4	6.6		5.6 \$	47,980	— High cohool dints	— None	Moderate term on the ich topicie
Other installation, maintenance, and repair occupations Control and valve installers and repairers Mechanical door repairers	49-9000 49-9010 49-9011	Summary Line item	67.3 20.4	71.7 22.5	2.1	10.4	2.1	1.8 \$	38,480	High school diploma		Moderate-term on-the-job trainin
Other installation, maintenance, and repair occupations Control and valve installers and repairers Mechanical door repairers mechanical door	49-9000 49-9010 49-9011 49-9012	Summary Line item	67.3 20.4 46.9	71.7 22.5 49.2	2.1 2.3	10.4 5.0	2.1 1.7	1.8 \$ 3.8 \$	38,480 54,520	High school diploma	None	Moderate-term on-the-job trainir
Other installation, maintenance, and repair occupations Control and valve installers and repairers Mechanical door repairers	49-9000 49-9010 49-9011 49-9012 49-9021	Summary Line item	67.3 20.4	71.7 22.5	2.1	10.4	2.1 1.7 9.1	1.8 \$	38,480 54,520 45,910		None None	

workers	49-9040 Summary	477.7	510.0	32.3	6.8	1.7	46.9	\$ 49,08	n I			1
Industrial machinery mechanics	49-9040 Summary	346.9	370.4	23.5	6.8	2.2			0 High school diploma	None	Long-term on-the-	ioh training
Maintenance workers, machinery	49-9041 Line item	89.7	94.7	5.0	5.6	0.4			0 High school diploma	None	Long-term on-the-	_
Millwrights	49-9044 Line item	39.5	43.4	3.9	9.8	-			0 High school diploma	None	Apprenticeship	Job training
Refractory materials repairers, except brickmasons	49-9045 Line item	1.6	1.5	-0.1	-3.5		0.1		0 High school diploma	None	Moderate-term on	」 >-the-ioh trainin
Line installers and repairers	49-9050 Summary	227.0	245.5	18.5	8.1	3.1	22.4	*		INONE	Moderate-term on	1
Electrical power-line installers and repairers	49-9051 Line item	120.9	137.7	16.8	13.9	1.7	11.7		0 High school diploma	None	Long-term on-the-	ioh training
Telecommunications line installers and repairers	49-9052 Line item	106.1	107.8	1.7	1.6	4.7	10.7		0 High school diploma	None	Long-term on-the-	_
Precision instrument and equipment repairers	49-9060 Summary	73.8	76.5	2.7	3.7	7.2		\$ 47,22		INONE	Long-term on-the-	Job training
Camera and photographic equipment repairers	49-9061 Line item	4.0	4.2	0.1	3.3	7.2	0.7		0 High school diploma	None	Long-term on-the-	ioh training
Medical equipment repairers	49-9062 Line item	47.1	49.6	2.5	5.3	7.4	4.4		Associate's degree	None	Moderate-term on	
		8.3		0.2	2.3	7.9						1-111e-job trairiii 1
Musical instrument repairers and tuners Watch repairers	49-9063 Line item		8.5						O High school diploma		Apprenticeship]
•	49-9064 Line item	1.8	1.3	-0.5	-28.7	7.7	0.1		O High school diploma	None	Long-term on-the-	
Precision instrument and equipment repairers, all other	49-9069 Line item	12.6	12.9	0.4	2.9	5.8	1.1		0 High school diploma	None	Long-term on-the-	
Maintenance and repair workers, general	49-9071 Line item	1,432.6	1,545.3	112.7	7.9	1.0	154.7		0 High school diploma		Moderate-term on	
Wind turbine service technicians	49-9081 Line item	5.8	11.3	5.5	96.1	16.9	1.4		Postsecondary none	None	Long-term on-the-	Job training
Miscellaneous installation, maintenance, and repair workers	49-9090 Summary	401.4	425.5	24.1	6.0	10.8		\$ 34,17]
repairers	49-9091 Line item	36.6	32.1	-4.6	-12.4	7.0	3.3		0 High school diploma	None	Short-term on-the	
Commercial divers	49-9092 Line item	4.1	4.5	0.4	10.6	17.4	0.4		0 Postsecondary none		Moderate-term on	-
Fabric menders, except garment	49-9093 Line item	0.7	0.6	-0.1	-7.6	17.5	0.1		0 High school diploma	None	Long-term on-the-	
Locksmiths and safe repairers	49-9094 Line item	28.7	27.8	-0.9	-3.2	33.0	2.5		0 High school diploma	None	Long-term on-the-	
Manufactured building and mobile home installers	49-9095 Line item	4.3	4.0	-0.4	-8.8	26.1	0.3		0 High school diploma	None	Short-term on-the-	
Riggers	49-9096 Line item	20.9	22.9	2.1	9.8		2.3		0 High school diploma		Moderate-term on	
Signal and track switch repairers	49-9097 Line item	10.0	10.1	0.1	1.1	14.6	1.0		0 High school diploma	None	Moderate-term on	
Helpersinstallation, maintenance, and repair workers	49-9098 Line item	120.2	133.5	13.3	11.1	0.3	17.0	\$ 27,51	0 High school diploma	None	Short-term on-the-	-job training
Installation, maintenance, and repair workers, all other	49-9099 Line item	175.8	189.9	14.1	8.0	15.6		\$ 38,48	0 High school diploma	None	Moderate-term on	-the-job trainir
Production occupations	51-0000 Summary	9,356.9	8,971.6	-385.3	-4.1	2.6	993.8	\$ 33,13	0 —	_	_	
Supervisors of production workers	51-1000 Summary	621.4	620.9	-0.5	-0.1	1.5	59.5	\$ 57,78	0 —	_	_	
First-line supervisors of production and operating workers	51-1011 Line item	621.4	620.9	-0.5	-0.1	1.5	59.5	\$ 57,78	0 High school diploma	Less than 5 years	None	
Assemblers and fabricators	51-2000 Summary	1,819.3	1,560.2	-259.1	-14.2	1.2	167.3	\$ 30,93	0 —	_	 _	
assemblers	51-2011 Line item	41.8	34.5	-7.3	-17.4	_			0 High school diploma	None	Moderate-term on	- n-the-iob traini
Electrical, electronics, and electromechanical assemblers	51-2020 Summary	278.7	220.7	-58.0	-20.8	0.4	23.2			_		1
Coil winders, tapers, and finishers	51-2021 Line item	14.1	11.2	-2.9	-20.6	0.4	1.2		0 High school diploma	None	Moderate-term on	-the-iob traini
Electrical and electronic equipment assemblers	51-2022 Line item	218.9	173.6	-45.3	-20.7	0.4	18.2		0 High school diploma		Moderate-term on	
Electromechanical equipment assemblers	51-2022 Line item	45.7	36.0	-9.7	-21.3	0.4	3.8		0 High school diploma	None	Moderate-term on	
Engine and other machine assemblers	51-2023 Line item	38.0	31.5	-6.5	-17.2	-	2.8		0 High school diploma	None	Moderate-term on	-
Structural metal fabricators and fitters	51-2031 Line item	77.0	65.2	-11.8	-17.2	0.2	6.5					
									O High school diploma	None	Moderate-term on	1-1/16-job trairiii T
Miscellaneous assemblers and fabricators	51-2090 Summary	1,383.8	1,208.2	-175.6	-12.7	1.4	131.7			Na	Madazata tarza an	
Fiberglass laminators and fabricators	51-2091 Line item	19.7	19.4	-0.3	-1.3	1.4			0 High school diploma		Moderate-term on	
Team assemblers	51-2092 Line item	1,130.9	987.9	-143.0	-12.6	1.4	107.7		0 High school diploma	None	Moderate-term on	
Timing device assemblers and adjusters	51-2093 Line item	0.8	0.6	-0.2	-19.9		0.1		0 High school diploma	None	Moderate-term on	
Assemblers and fabricators, all other	51-2099 Line item	232.4	200.3	-32.2	-13.8	1.4	21.7		High school diploma	None	Moderate-term on	i-the-job traini
Food processing workers	51-3000 Summary	823.0	849.9	26.9	3.3	2.1	110.1			_	_	
Bakers	51-3011 Line item	191.0	203.1	12.1	6.3	4.9	28.7			None	Long-term on-the-	job training
workers	51-3020 Summary	374.6	384.0	9.4	2.5	0.7		\$ 26,41		_	_	
Butchers and meat cutters	51-3021 Line item	135.7	143.4	7.7	5.7	0.7	17.7	\$ 29,87	No formal education	None	Long-term on-the-	job training
Meat, poultry, and fish cutters and trimmers	51-3022 Line item	156.4	157.7	1.2	0.8	0.7	19.1	\$ 24,49	No formal education	None	Short-term on-the-	job training
Slaughterers and meat packers	51-3023 Line item	82.5	82.9	0.4	0.5	0.7	10.1	\$ 26,59	No formal education	None	Short-term on-the-	-job training
Miscellaneous food processing workers	51-3090 Summary	257.4	262.8	5.4	2.1	2.1	34.6	\$ 27,11	0 —	_	_	
operators and tenders	51-3091 Line item	20.1	20.0	-0.1	-0.6	1.2	2.3	\$ 28,57	No formal education	None	Moderate-term on	n-the-job trainii
Food batchmakers	51-3092 Line item	153.7	155.8	2.1	1.3	1.3	21.6		0 High school diploma		Moderate-term on	
Food cooking machine operators and tenders	51-3093 Line item	37.2	38.1	1.0	2.6	0.4	5.2		0 High school diploma	None	Moderate-term on	_ ′
Food processing workers, all other	51-3099 Line item	46.4	48.9	2.5	5.4	6.2	5.5		No formal education	None	Moderate-term on	
Metal workers and plastic workers	51-4000 Summary	1,954.7	1,886.5	-68.2	-3.5	1.8	192.1			_	_]
Computer control programmers and operators	51-4010 Summary	170.7	176.4	5.7	3.3	- 1.0	17.5			<u></u>		1
plastic	51-4011 Line item	145.7	147.3	1.6	1.1				0 High school diploma	None	Moderate-term on	J n-the-inh traini
	51-4011 Line item	25.1	29.2		16.3		3.1		0 Postsecondary none			
programmers, metal and plastic		120.5	102.1	-18.4	-15.3	_	9.3			I VOLIC	Moderate-term on	1e-job ((alf)
plastic	51-4020 Summary				-15.3				0 High school diploma	None	Moderate to	J
tenders, metal and plastic	51-4021 Line item	72.3	61.3	-11.0			5.6				Moderate-term on	
and plastic	51-4022 Line item	19.2	15.5	-3.7	-19.2		1.4		O High school diploma		Moderate-term on	
and plastic	51-4023 Line item	29.0	25.3	-3.7	-12.9		2.3		0 High school diploma	inone	Moderate-term on	ı-tne-job traini T
and plastic	51-4030 Summary	332.4	299.3	-33.0	-9.9	0.7	30.9	\$ 33,62	U —			J
Cutting, punching, and press machine setters, operators,	L							_	_ [I		
and tenders, metal and plastic	51-4031 Line item	192.7	175.9	-16.8	-8.7	0.0	18.9		0 High school diploma		Moderate-term on	
	51-4032 Line item	12.3	9.9	-2.4	-19.4	0.6	0.9	\$ 36,41	0 High school diploma	None	Moderate-term on	-the-job traini
tenders, metal and plastic		1										
Grinding, lapping, polishing, and buffing machine tool				-7.6	-10.0	2.6	6.8	\$ 32,89	0 High school diploma	None	Moderate-term on	-the-job traini
	51-4033 Line item	76.2	68.5									
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic tenders, metal and plastic	51-4033 Line item 51-4034 Line item	33.7	30.8	-2.8	-8.4	_	2.9		0 High school diploma		Moderate-term on	<u>ı</u> -the-job traini
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic						0.6			High school diplomaHigh school diploma		Moderate-term on Moderate-term on	
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic tenders, metal and plastic	51-4034 Line item	33.7	30.8	-2.8	-8.4	_	2.9	\$ 39,84		None		-the-job trainir
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic tenders, metal and plastic tenders, metal and plastic	51-4034 Line item 51-4035 Line item	33.7 17.6	30.8 14.2	-2.8 -3.4	-8.4 -19.3	— 0.6	2.9 1.3	\$ 39,84 \$ 41,70	O High school diploma O High school diploma	None	Moderate-term on	-the-job trainir

Pourers and casters, metal and plastic 51-4062 Line item 8.4 6.5 -2.0 -2.34 0.5 \$ 3,8180 High school diploma None Model makers, metal and plastic 51-4061 Line item 6.3 5.5 -0.8 12.2 0.6 \$ 48,550 High school diploma None 1-0.5 15.5 0.8 12.2 0.6 \$ 48,550 High school diploma None 1-0.5 15.5 0.8 12.2 0.6 \$ 48,550 High school diploma None 1-0.5 15.5 0.8 15.7 1.3 1.3 \$ 30,820 1.3 \$ 30,820 1.3 \$ 30,8	Moderate-term on-the-job training —
Model makers, metal and plastic	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Pattermakers. metal and plastic S1-4062 Line item 3.4 2.9 -0.5 -15.5 0.3 \$ 44.210 High school diploma None tenders, metal and plastic S1-4071 Line item 12.5 9.5 -3.0 -24.0 0.9 \$ 34.790 High school diploma None Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic S1-4071 Line item 12.5 9.5 -3.0 -24.0 0.9 \$ 34.790 High school diploma None Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic S1-4071 Line item 14.5 12.6 -2.18 -15.0 12.9 \$ 30.480 High school diploma None Molding, college and plastic S1-4071 Line item 17.8 114.7 -3.1 -2.6 0.6 12.0 \$ 34.340 High school diploma None Molding, soldering, and brazing workers S1-4121 Line item 72.5 67.2 5.3 -7.3 0.4 6.0 \$ 51,000 Postsecondary nond None Welding, soldering, and brazing workers S1-4122 Line item 44.70 22.2 5.5 5.4 45.8 \$ 33,930 High school diploma None Molding, soldering, and tenders S1-4122 Line item 49.2 44.2 5.1 -10.3 5.6 4.4 \$ 36,980 High school diploma None Miscellaneous metal workers and plastic workers S1-4193 Line item 49.2 44.2 5.1 -10.3 5.6 4.4 \$ 36,980 High school diploma None Miscellaneous metal workers and plastic S1-4193 Line item 9.2 8.5 -0.6 6.8 -0.9 \$ 45,820 High school diploma None Layout workers, metal and plastic S1-4193 Line item 9.2 8.5 -0.6 6.8 -0.9 \$ 45,820 High school diploma None Line item 19.8 17.0 -2.8 -14.1 0.6 1.7 \$ 37,180 High school diploma None Line item 19.8 17.0 -2.8 -14.1 0.6 1.7 \$ 37,180 High school diploma None Line item 19.8 17.0 -2.8 -14.1 0.6 -1.7 \$ 37,180 High school diploma None Line item 19.8 -1.4 -1.5 -0.6 -0.9 -0.8 -0.8 -0.9 -0.8 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.8 -0	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Lenders, metal and plastic	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Long-term on-the-job training — Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training — Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training — Moderate-term on-the-job training — Moderate-term on-the-job training
Foundry mold and coremakers	Moderate-term on-the-job training Long-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line item 145.4 123.6 -21.8 -15.0 - 12.9 \$ 30.480 High school diploma None 145.4 123.6 -21.8 -15.0 - 12.9 \$ 30.480 High school diploma None 145.4 123.6 -21.8 -15.0 - 12.9 \$ 30.480 High school diploma None 145.4 123.6 -21.8 -15.0 - - - - - - - - -	Moderate-term on-the-job training Long-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Operators, and tenders, metal and plastic 51-4072 Line item 114.54 123.6 -21.8 -15.0 - 12.9 \$ 30.480 High school diplomal None 114.77 -31.5 -2.6 0.6 12.0 \$ 33.49 High school diplomal None 114.78 -31.5 -2.6 0.6 -3.5	Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
A mode Incident	Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Tool and die makers	Long-term on-the-job training — Moderate-term on-the-job training Moderate-term on-the-job training — Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 5.5 50.2 \$ 39,110 — —	Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Welders, cutters, solderers, and brazers	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Operators, and tenders	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Miscellaneous metal workers and plastic workers 51-4190 Summary 96.7 86.6 -10.2 -10.5 0.3 8.6 \$ 34,740 -	Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training — Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training — Moderate-term on-the-job training
metal and plastic 51-4191 Line item 19.8 17.0 2.8 -14.1 0.6 1.7 \$ 37,180 High school diploma None Layout workers, metal and plastic 51-4192 Line item 35.3 30.4 -4.9 -13.8 -2.8 \$ 31,280 High school diploma None 19.8 17.0 19.8 19.2 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.8 19.2 19.3 19.2 19.3 19.2 19.3 19.2 19.3 19.	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training — Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training
Layout workers, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 -0.9 \$ 45,820 High school diploma None tenders, metal and plastic 51-4193 Line item 9.5 9.2 -0.3 30.4 -4.9 -13.8 -0.8 \$ 31,280 High school diploma None Tool grinders, filers, and sharpeners 51-4194 Line item 9.5 9.2 -0.3 -3.5 -0.6 -1.1 \$ 36,665 High school diploma None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training — Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training
tenders, metal and plastic 51-4193 Line item 35.3 30.4 -4.9 -13.8 -2.8 \$ 31,280 High school diploma None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training — None Moderate-term on-the-job training Moderate-term on-the-job training — Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training — Moderate-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training — Moderate-term on-the-job training — Short-term on-the-job training
Tool grinders, filers, and sharpeners 51-4194 Line item 9.5 9.2 -0.3 -3.5 1.1 \$ 36,650 High school diploma None Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 0.6 2.2 \$ 33,280 High school diploma None Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.5 25.1 \$ 35,120 Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 3.8 3.0 \$ 38,930 Postsecondary nond None Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Printing press operators 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Printing press operators 51-5113 Line item 54.0 47.9 -6.5 10.9 72.3 \$ 23,750 Laundry and dry-cleaning workers 51-6001 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 Shoe and leather workers and repairers 51-6042 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and sewers 51-6050 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and tenders 51-6060 Line item 13.5 12.9 -0.5 -1.4 -0.1 -0.3 51.9 5.5 28,240 No formal education None Textile machine setters, operators, a	Moderate-term on-the-job training Moderate-term on-the-job training None Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 0.6 2.2 \$ 33,280 High school diploma None Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.5 25.1 \$ 35,120 — — Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 3.8 3.0 \$ 38,930 Posecondary nond None Printing press operators 51-5111 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — — Laundry and dry-cleaning workers 51-6001 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, agrment, and related materials 51-6011 Line item 45.0 42.0 <	Moderate-term on-the-job training None Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.5 25.1 \$ 35,120 — — Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 3.8 3.0 \$ 38,930 Postsecondary nond None Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Print binding and finishing workers 51-5112 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — — Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 — 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6021 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 — — Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Textile machine setters, operators and tenders 51-6065 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6061 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6061 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 27,270 High school diploma None Textile machine setters, operators, and tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	None Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 3.8 3.0 \$ 38,930 Postsecondary nond None Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 22,1 10 None Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6041 Line item <td>Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training</td>	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 3.8 3.0 \$ 38,930 Postsecondary nond None Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Pressers, and turnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — — Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 — 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 23,670 No formal education None Shoe and leather workers and repairers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 23,670 No formal education None Shoe machine operators and tenders 51-6042 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -10.9 2.5 7.4 \$ 27,270 High school diploma None Textile machine setters, operators, and tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None Textile machine setters, operators, and tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None Textile	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 5.1 16.0 \$ 35,530 High school diploma None Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — — — Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 — 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 — — Shoe and leather workers and repairers 51-6040 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Textile machine operators, and tenders 51-6060 Summary 57.3 65.9 -13.4 -10.9 2.5 7.4 \$ 27,260 — — Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -10.9 2.5 7.4 4.4 1.0 \$ 27,270 High school diploma None Textile machine setters, operators, and tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None Textile machine setters, operators, and tenders 51-6060 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None Textile machine setters, operators,	Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 3.1 6.1 \$ 31,410 High school diploma None Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — — Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6012 Line item 45.0 42.0 -3.0 -6.7 — 5.2 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 — Shoe and leather workers and repairers 51-6041 Line item 11.0	Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Textile, apparel, and furnishings workers 51-6000 Summary 654.3 612.0 -42.3 -6.5 10.9 72.3 \$ 23,750 — Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 — 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 23,670 No formal education None Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors,	Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training — Moderate-term on-the-job training Short-term on-the-job training — Short-term on-the-job training —
Laundry and dry-cleaning workers 51-6011 Line item 220.1 219.3 -0.7 -0.3 4.6 29.4 \$ 21,510 No formal education None Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 - 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 - 5.0 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 23,940 High school diploma None Shoe machine operators and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 Lenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training —
Pressers, textile, garment, and related materials 51-6021 Line item 45.0 42.0 -3.0 -6.7 — 5.2 \$ 21,300 No formal education None Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 14.4 \$ 24,600 — — Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6050 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training —
Sewing machine operators 51-6031 Line item 153.9 132.0 -21.9 -14.2 9.9 12.8 \$ 23,670 No formal education. None Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 — — Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 24,600 — — Shoe machine operators and tenders 51-6041 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1	Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training —
Shoe and leather workers 51-6040 Summary 14.6 14.1 -0.6 -4.0 23.5 1.4 \$ 24,600 — — Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6050 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line i	Moderate-term on-the-job training Short-term on-the-job training —
Shoe and leather workers and repairers 51-6041 Line item 11.0 10.7 -0.3 -2.5 29.8 1.0 \$ 23,940 High school diploma None Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Short-term on-the-job training —
Shoe machine operators and tenders 51-6042 Line item 3.6 3.3 -0.3 -8.5 4.4 0.4 \$ 26,150 High school diploma None Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Short-term on-the-job training —
Tailors, dressmakers, and sewers 51-6050 Summary 57.7 57.1 -0.7 -1.2 51.8 7.1 \$ 27,080 — — — Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	_
Sewers, hand 51-6051 Line item 13.5 12.9 -0.5 -4.0 51.7 1.6 \$ 24,520 No formal education None Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Moderate term on the job training
Tailors, dressmakers, and custom sewers 51-6052 Line item 44.3 44.1 -0.1 -0.3 51.9 5.5 \$ 28,240 No formal education None Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	
Textile machine setters, operators, and tenders 51-6060 Summary 79.3 65.9 -13.4 -16.9 2.5 7.4 \$ 27,260 — — tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	
tenders 51-6061 Line item 11.3 9.4 -1.9 -17.0 4.4 1.0 \$ 27,270 High school diploma None	Moderate-term on-the-job training
	Short-term on-the-job training
	Moderate-term on-the-job training
and tenders 51-6063 Line item 22.2 18.1 -4.1 -18.3 3.5 2.1 \$ 27,470 High school diploma None	Short-term on-the-job training
setters, operators, and tenders 51-6064 Line item 30.8 25.8 -5.0 -16.3 2.2 2.6 \$ 27,500 High school diplomal None	Moderate-term on-the-job training
Miscellaneous textile, apparel, and furnishings workers 51-6090 Summary 83.7 81.7 -2.0 -2.4 12.9 8.9 \$ 32,400 — —	_
Extruding and forming machine setters, operators, and	
tenders, synthetic and glass fibers 51-6091 Line item 20.2 18.5 -1.7 -8.5 4.4 2.1 \$ 34,240 High school diplomal None	Moderate-term on-the-job training
Fabric and apparel patternmakers 51-6092 Line item 5.5 4.7 -0.8 -15.0 4.4 0.5 \$ 39,650 High school diploma None	Moderate-term on-the-job training
Upholsterers 51-6093 Line item 41.6 42.7 1.0 2.5 21.6 4.4 \$ 33,050 High school diploma None	Moderate-term on-the-job training
Textile, apparel, and furnishings workers, all other 51-6099 Line item 16.3 15.8 -0.5 -3.0 4.2 1.9 \$ 25,890 High school diploma None	Short-term on-the-job training
Woodworkers 51-7000 Summary 279.3 285.1 5.9 2.1 9.7 30.4 \$ 30,210 — —	
Cabinetmakers and bench carpenters 51-7011 Line item 10.3 11.0 3.4 10.3 11.7 \$ 33,050 High school diploma None	Moderate-term on-the-job training
Furniture finishers 51-7021 Line item 22.4 22.9 0.6 2.5 22.2 2.1 \$ 30,550 High school diploma None	Short-term on-the-job training
Model makers and patternmakers, wood 51-7030 Summary 3.7 3.8 0.1 3.8 45.0 0.4 \$ 44,320 —	_
Model makers, wood 51-7031 Line item 1.9 2.0 0.1 3.6 44.8 0.2 \$ 40,890 High school diploma None	Moderate-term on-the-job training
Patternmakers, wood 51-7032 Line item 1.8 1.8 0.1 3.9 45.2 0.2 \$ 46,510 High school diploma None	Moderate-term on-the-job training
Woodworking machine setters, operators, and tenders 51-7040 Summary 131.9 132.8 1.0 0.7 3.0 14.7 \$ 28,460 —	<u> </u>
Sawing machine setters, operators, and tenders, wood 51-7041 Line item 54.8 55.2 0.4 0.8 6.2 6.3 \$ 28,380 High school diploma None	Moderate-term on-the-job training
except sawing 51-7042 Line item 77.1 77.6 0.6 0.7 0.7 8.4 \$ 28,510 High school diploma None	Moderate-term on-the-job training
Woodworkers, all other 51-7099 Line item 12.1 12.6 0.5 4.1 43.5 1.4 \$ 28,500 High school diploma None	Moderate-term on-the-job training
Plant and system operators 51-8000 Summary 314.0 309.7 -4.3 -1.4 0.1 27.8 \$ 58,100 — —	
Power plant operators, distributors, and dispatchers 51-8010 Summary 54.7 54.2 -0.6 -1.0 -1.0 -1.6 \$ 78,370 -1.0	<u> </u>
Nuclear power reactor operators 51-8011 Line item 7.0 6.3 -0.7 -10.2 — 0.5 \$ 91,170 High school diploma None	Long-term on-the-job training
Power distributors and dispatchers 51-801 Line item 11.6 11.3 -0.3 -2.5 1.0 \$ 81,900 High school diploma None	Long-term on-the-job training
Power plant operators 51-8012 Line item 36.1 36.5 0.5 1.3	Long-term on-the-job training
Stationary engineers and boiler operators 51-8021 Line item 35.7 37.4 1.7 4.8 0.7 3.9 \$ 59,400 High school diploma None	Long-term on-the-job training
Water and wastewater treatment plant and system operators 51-8031 Line item 119.2 115.4 -3.8 -3.2 — 9.2 \$ 45,760 High school diploma None	Long-term on-the-job training
Water and wastewater treatment plant and system operators 51-8090 Summary 104.4 102.7 -1.7 -1.6 — 10.0 \$ 63,430 —	Long-term on-the-job training
	Moderate-term on-the-job training
	Long-term on-the-job training
and gaugers 51-8093 Line item 41.8 43.0 1.2 2.8 — 4.3 \$ 67,400 High school diploma None	Moderate-term on-the-job training
Plant and system operators, all other 51-8099 Line item 12.1 12.4 0.2 1.9 — 1.2 \$ 54,930 High school diploma None	Moderate-term on-the-job training
Other production occupations 51-9000 Summary 2,623.7 2,693.5 -14.2 -0.5 1.7 309.2 \$ 31,520 - -	-
tenders 51-9010 Summary 121.3 117.7 -3.5 -2.9 0.6 12.3 \$ 43,600	
Chemical equipment operators and tenders 51-9011 Line item 74.1 70.4 -3.6 -4.9 0.6 7.3 \$ 47,780 High school diploma None	Moderate-term on-the-job training
Separating, filtering, clarifying, precipitating, and still	
machine setters, operators, and tenders 51-9012 Line item 47.2 47.3 0.1 0.2 0.6 5.0 \$ 38,360 High school diploma None	Moderate-term on-the-job training
Crushing, grinding, polishing, mixing, and blending workers 51-9020 Summary 187.7 176.2 -11.5 -6.1 0.3 19.0 \$ 34,440 — —	<u> </u>

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operators, and tenders	51-9021 Line item	30.2	28.2	-2.0	-6.7	0.3	3.0				Moderate-term on-t	
Grinding and polishing workers, hand	51-9022 Line item	26.6	21.1	-5.4	-20.5	0.3	2.1		No formal education		Moderate-term on-t	
tenders	51-9023 Line item	131.0	126.9	-4.1	-3.1	0.3	13.9			None	Moderate-term on-t	the-job training
Cutting workers	51-9030 Summary	78.3	74.3	-4.0	-5.1	2.2	8.2			_	_	
Cutters and trimmers, hand	51-9031 Line item	14.7	13.2	-1.5	-10.0	2.2			No formal education		Short-term on-the-j	
tenders	51-9032 Line item	63.6	61.1	-2.5	-3.9	2.2	6.8	\$ 32,870	High school diploma	None	Moderate-term on-t	the-job training
Extruding, forming, pressing, and compacting machine												
setters, operators, and tenders	51-9041 Line item	71.4	67.5	-3.8	-5.4	_	7.9	\$ 32,510	High school diploma	None	Moderate-term on-t	the-job training
Furnace, kiln, oven, drier, and kettle operators and tenders	51-9051 Line item	21.9	20.8	-1.1	-5.0	10.7	2.0	\$ 36,040	High school diploma	None	Moderate-term on-t	the-job training
Inspectors, testers, sorters, samplers, and weighers	51-9061 Line item	520.7	465.2	-55.5	-10.7	0.5	52.7	\$ 36,780	High school diploma	None	Moderate-term on-t	the-job training
Jewelers and precious stone and metal workers	51-9071 Line item	37.7	36.5	-1.2	-3.1	30.2	3.7			None	Long-term on-the-jo	
Medical, dental, and ophthalmic laboratory technicians	51-9080 Summary	82.2	93.2	11.0	13.4	2.0	10.7			_	_	3
Dental laboratory technicians	51-9081 Line item	38.1	43.7	5.5	14.5	1.9	5.0			None	Moderate-term on-t	the-iob training
Medical appliance technicians	51-9082 Line item	15.0	17.0	2.0	13.7	2.0	2.0		High school diploma	None	Moderate-term on-t	
Ophthalmic laboratory technicians	51-9083 Line item	29.1	32.5	3.5	11.9	2.0	3.7		3	None	Moderate-term on-t	
Packaging and filling machine operators and tenders	51-9111 Line item	383.0	389.7	6.7	1.7	0.3	44.6			None	Moderate-term on-t	
Painting workers	51-9120 Summary	164.2	168.6		2.6	5.0	17.6			None	Wioderate-term on-t	ille-job traillill
· ·				4.3						Mana	Madausta tausa au t	
operators, and tenders	51-9121 Line item	89.9	90.1	0.2	0.2	5.0			High school diploma		Moderate-term on-t	
Painters, transportation equipment	51-9122 Line item	58.1	62.0	4.0	6.9	5.0	6.6			None	Moderate-term on-t	
Painting, coating, and decorating workers	51-9123 Line item	16.3	16.5	0.2	1.1	4.9	1.7			None	Moderate-term on-t	
Semiconductor processors	51-9141 Line item	25.5	24.2	-1.3	-5.1	3.1	2.7		High school diploma		Moderate-term on-t	
operators	51-9151 Line item	26.9	21.9	-4.9	-18.4	3.3	3.3	\$ 26,470	High school diploma	None	Short-term on-the-j	ob training
Miscellaneous production workers	51-9190 Summary	902.8	953.4	50.6	5.6	1.5	124.5	\$ 27,620)			
Adhesive bonding machine operators and tenders	51-9191 Line item	17.0	16.6	-0.5	-2.7	_	1.8	\$ 32,290	High school diploma	None	Moderate-term on-t	the-job trainin
operators and tenders	51-9192 Line item	17.2	17.3	0.1	0.4	_	2.2			None	Moderate-term on-t	
Cooling and freezing equipment operators and tenders	51-9193 Line item	8.7	8.8	0.2	1.9	3.0	1.0			None	Moderate-term on-t	
Etchers and engravers	51-9194 Line item	10.6	10.7	0.1	1.0	10.1	1.3		High school diploma	None	Moderate-term on-t	
Molders, shapers, and casters, except metal and plastic	51-9195 Line item	43.0	42.5	-0.4	-1.0	8.3	4.2			None	Long-term on-the-jo	,
Paper goods machine setters, operators, and tenders	51-9196 Line item	94.6	86.1	-8.5	-9.0	-	8.3			None	Moderate-term on-t	
Tire builders			19.6		-12.1							•
		22.3		-2.7		_	2.1		High school diploma	None	Moderate-term on-t	
Helpersproduction workers	51-9198 Line item	426.0	475.5	49.5	11.6	0.1	72.0			None	Short-term on-the-j	
Production workers, all other	51-9199 Line item	263.5	276.3	12.8	4.9	3.0			High school diploma	None	Moderate-term on-t	the-job trainin
Transportation and material moving occupations	53-0000 Summary	10,274.2	10,918.1	643.9	6.3	4.4	1,334.8					
Supervisors of transportation and material moving workers	53-1000 Summary	396.2	425.9	29.7	7.5	0.2	44.4	\$ 52,250)	_	_	
Aircraft cargo handling supervisors	53-1011 Line item	7.6	8.1	0.5	5.9	_	0.8	\$ 47,360	High school diploma	Less than 5 years	None	
movers, hand	53-1021 Line item	184.4	200.1	15.7	8.5	0.2	21.0	\$ 47,230	High school diploma	Less than 5 years	None	
First-line supervisors of transportation and material-moving												
machine and vehicle operators	53-1031 Line item	204.2	217.7	13.6	6.6	0.2	22.6	\$ 57,270	High school diploma	Less than 5 years	None	
Air transportation workers	53-2000 Summary	275.3	293.2	18.0	6.5	0.5		\$ 71,510			_	
Aircraft pilots and flight engineers	53-2010 Summary	124.8	129.2	4.4	3.5	1.1	12.1			_		
Airline pilots, copilots, and flight engineers	53-2011 Line item	84.0	86.9	2.9	3.4	_	8.1) Bachelor's degree	Less than 5 years	Moderate-term on-t	the-inh trainin
Commercial pilots	53-2017 Line item	40.8	42.3	1.5	3.8	3.3		\$ 77,200		None	Moderate-term on-t	
	53-2012 Line item	33.8	35.5	1.6	4.9	5.5	3.3			INOTIC	Woderate-term on-t	ilie-job trailili
Air traffic controllers and airfield operations specialists						_				Mana		-1- 41-1
Air traffic controllers	53-2021 Line item	24.9	25.8	0.9	3.5		2.4			None	Long-term on-the-jo	_
Airfield operations specialists	53-2022 Line item	8.9	9.7	0.8	8.8		0.9		High school diploma	None	Long-term on-the-jo	
Flight attendants	53-2031 Line item	116.6	128.5	11.9	10.2	_			High school diploma	Less than 5 years	Moderate-term on-t	the-job trainin
Motor vehicle operators	53-3000 Summary	4,358.9	4,598.8	239.9	5.5	8.7	508.1			_	_	
medical technicians	53-3011 Line item	17.3	21.1	3.8	21.9	_	3.1	\$ 23,850	High school diploma	None	Moderate-term on-t	the-job trainin
Bus drivers	53-3020 Summary	687.2	729.6	42.5	6.2	0.9	88.7	\$ 31,920)	_	_	
Bus drivers, transit and intercity	53-3021 Line item	179.3	195.1	15.9	8.8	0.9	23.9	\$ 39,790	High school diploma	None	Moderate-term on-t	the-job trainin
Bus drivers, school or special client	53-3022 Line item	507.9	534.5	26.6	5.2	0.9	64.8			None	Short-term on-the-j	
Driver/sales workers and truck drivers	53-3030 Summary	3,293.1	3,466.2	173.1	5.3	7.9	372.9	\$ 36,670		_	T- 1	
Driver/sales workers	53-3031 Line item	467.9	462.4	-5.5	-1.2	8.1	48.4			None	Short-term on-the-j	ob training
Heavy and tractor-trailer truck drivers	53-3031 Line item	1,871.7	1,985.5	113.8	6.1	7.9	214.3		Postsecondary nond		Short-term on-the-j	
Light truck or delivery services drivers	53-3032 Line item	953.5	1,018.3	64.8	6.8	7.9	110.2		High school diploma		Short-term on-the-j	
Taxi drivers and chauffeurs	53-3041 Line item	305.1	319.9	14.7	4.8	36.3	32.7		No formal education		Short-term on-the-j	
Motor vehicle operators, all other	53-3099 Line item	56.2	62.0			2.8	10.7		No formal education	inone	Short-term on-the-j	υν τιαιning
Rail transportation workers	53-4000 Summary	122.9	120.6	-2.3	-1.9	0.1	10.4			_		
Locomotive engineers and operators	53-4010 Summary	44.4	42.5	-1.8	-4.1		3.3				<u> </u>	
Locomotive engineers	53-4011 Line item	38.8	37.7	-1.1	-2.8	_	3.0		High school diploma		Moderate-term on-t	
Locomotive firers	53-4012 Line item	1.2	0.3	-0.9	-78.6		0.0		High school diploma		Moderate-term on-t	,
			4.6		3.7		0.4		High school diploma		Moderate-term on-t	
Rail yard engineers, dinkey operators, and hostlers	53-4013 Line item	4.4						\$ 56.570	High school diploma	None	Moderate-term on-t	the-job trainin
		4.4 19.3	19.0	-0.3	-1.6	_	1.7	ψ 50,570	, in ingrit donicon dipromita	INOTIC	Woderate-term on-t	
Rail yard engineers, dinkey operators, and hostlers	53-4013 Line item			-0.3 -0.9	-1.6 -2.1	_	3.7		High school diploma		Moderate-term on-t	
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters	53-4013 Line item 53-4021 Line item 53-4031 Line item	19.3 41.8	19.0 41.0	-0.9	-2.1		3.7	\$ 57,480	High school diploma	None	Moderate-term on-t	the-job trainir
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item	19.3 41.8 12.8	19.0 41.0 13.4	-0.9 0.5	-2.1 4.1	_	3.7 1.3	\$ 57,480 \$ 64,680	High school diploma High school diploma	None None	Moderate-term on-t Moderate-term on-t	the-job trainii the-job trainii
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4099 Line item	19.3 41.8 12.8 4.6	19.0 41.0 13.4 4.8	-0.9 0.5 0.1	-2.1 4.1 3.2		3.7 1.3 0.4	\$ 57,480 \$ 64,680 \$ 60,420	High school diploma High school diploma High school diploma	None None	Moderate-term on-t	the-job trainii the-job trainii
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4099 Line item 53-5000 Summary	19.3 41.8 12.8 4.6 86.3	19.0 41.0 13.4 4.8 93.2	-0.9 0.5 0.1 6.9	-2.1 4.1 3.2 8.0	 3.2 1.6	3.7 1.3 0.4 10.5	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870	O High school diploma O High school diploma O High school diploma O High school diploma O —	None None None	Moderate-term on-t Moderate-term on-t Moderate-term on-t —	the-job trainir the-job trainir the-job trainir
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers Sailors and marine oilers	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4099 Line item 53-5000 Summary 53-5011 Line item	19.3 41.8 12.8 4.6 86.3 33.8	19.0 41.0 13.4 4.8 93.2 36.4	-0.9 0.5 0.1 6.9 2.6	-2.1 4.1 3.2 8.0 7.6	3.2 1.6	3.7 1.3 0.4 10.5 4.4	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870 \$ 42,060	High school diploma High school diploma High school diploma High school diploma High school diploma No formal education	None None None	Moderate-term on-t Moderate-term on-t	the-job trainir the-job trainir the-job trainir
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers Sailors and marine oilers Ship and boat captains and operators	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4049 Line item 53-5000 Summary 53-5011 Line item 53-5020 Summary	19.3 41.8 12.8 4.6 86.3 33.8 42.4	19.0 41.0 13.4 4.8 93.2 36.4 46.1	-0.9 0.5 0.1 6.9 2.6 3.7	-2.1 4.1 3.2 8.0 7.6 8.7	 3.2 1.6 3.3	3.7 1.3 0.4 10.5 4.4 4.8	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870 \$ 42,060 \$ 69,650	High school diploma High school diploma High school diploma High school diploma No long Hospital High school diploma High school diploma High school diploma High school diploma	None None None None	Moderate-term on-t Moderate-term on-t Moderate-term on-t — Moderate-term on-t — Moderate-term on-t	the-job trainir the-job trainir the-job trainir
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers Sailors and marine oilers Ship and boat captains and operators Captains, mates, and pilots of water vessels	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4099 Line item 53-5000 Summary 53-5011 Line item 53-5020 Summary 53-5021 Line item	19.3 41.8 12.8 4.6 86.3 33.8 42.4 38.8	19.0 41.0 13.4 4.8 93.2 36.4 46.1 42.2	-0.9 0.5 0.1 6.9 2.6 3.7 3.4	-2.1 4.1 3.2 8.0 7.6 8.7 8.8	 3.2 1.6 3.3 3.3	3.7 1.3 0.4 10.5 4.4 4.8 4.4	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870 \$ 42,060 \$ 69,650 \$ 72,680	D High school diploma D High school diploma High school diploma High school diploma D No formal education D Postsecondary nond	None None None None None Less than 5 years	Moderate-term on-t Moderate-term on-t — Moderate-term on-t — Moderate-term on-t — None	the-job trainin the-job trainin the-job trainin
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers Sailors and marine oilers Ship and boat captains and operators Captains, mates, and pilots of water vessels Motorboat operators	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-5000 Summary 53-5011 Line item 53-5020 Summary 53-5021 Line item 53-5022 Line item	19.3 41.8 12.8 4.6 86.3 33.8 42.4 38.8 3.6	19.0 41.0 13.4 4.8 93.2 36.4 46.1 42.2 3.9	-0.9 0.5 0.1 6.9 2.6 3.7 3.4 0.3	-2.1 4.1 3.2 8.0 7.6 8.7 8.8 7.6		3.7 1.3 0.4 10.5 4.4 4.8 4.4 0.4	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870 \$ 42,060 \$ 69,650 \$ 72,680 \$ 40,210	High school diploma High school diploma High school diploma High school diploma No formal education Postsecondary nond Postsecondary nond	None None None None Less than 5 years Less than 5 years	Moderate-term on-t Moderate-term on-t Moderate-term on-t — Moderate-term on-t — None None	the-job trainir the-job trainir the-job trainir
Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Water transportation workers Sailors and marine oilers Ship and boat captains and operators Captains, mates, and pilots of water vessels	53-4013 Line item 53-4021 Line item 53-4031 Line item 53-4041 Line item 53-4099 Line item 53-5000 Summary 53-5011 Line item 53-5020 Summary 53-5021 Line item	19.3 41.8 12.8 4.6 86.3 33.8 42.4 38.8	19.0 41.0 13.4 4.8 93.2 36.4 46.1 42.2	-0.9 0.5 0.1 6.9 2.6 3.7 3.4 0.3	-2.1 4.1 3.2 8.0 7.6 8.7 8.8	 3.2 1.6 3.3 3.3	3.7 1.3 0.4 10.5 4.4 4.8 4.4	\$ 57,480 \$ 64,680 \$ 60,420 \$ 54,870 \$ 42,060 \$ 69,650 \$ 72,680 \$ 40,210	D High school diploma D High school diploma High school diploma High school diploma D No formal education D Postsecondary nond	None None None None Less than 5 years Less than 5 years	Moderate-term on-t Moderate-term on-t — Moderate-term on-t — Moderate-term on-t — None	the-job trair the-job trair the-job trair

Other transportation workers	53-6000	Summary	356.5	384.4	27.9	7.8	0.6	55.4	\$ 23,560	 	_	_	
Bridge and lock tenders	53-6011	Line item	3.7	3.8	0.2	4.9	_	0.4	\$ 49,090	High school diploma	None	Short-term on-the	job training
Parking lot attendants	53-6021	Line item	151.6	160.6	9.0	6.0	1.3	23.8	\$ 21,730	No formal education	None	Short-term on-the-	
Automotive and watercraft service attendants	53-6031	Line item	110.0	121.7	11.7	10.6	0.2	20.0	\$ 22,420	No formal education	None	Short-term on-the-	job training
Traffic technicians	53-6041	Line item	6.6	7.2	0.6	9.1	_	0.8	\$ 45,150	High school diploma	None	Moderate-term on	
Transportation inspectors	53-6051	Line item	28.2	29.8	1.7	5.9	_	2.9	\$ 72,220	High school diploma	None	Moderate-term on	the-job training
Transportation attendants, except flight attendants	53-6061	Line item	18.5	20.0	1.6	8.4	_	2.7	\$ 26,060	High school diploma	None	Short-term on-the	job training
Transportation workers, all other	53-6099	Line item	38.0	41.2	3.1	8.3	_	4.8	\$ 35,660	High school diploma	None	Short-term on-the	job training
Material moving workers	53-7000	Summary	4,678.0	5,001.9	323.9	6.9	1.5	676.3	\$ 26,240	_	_	_	
Conveyor operators and tenders	53-7011	Line item	28.1	27.7	-0.3	-1.2	_	3.7	\$ 31,410	No formal education	None	Short-term on-the-	job training
Crane and tower operators	53-7021	Line item	46.0	50.0	4.0	8.6	2.9	5.3	\$ 52,170	High school diploma	Less than 5 years	Moderate-term on	the-job training
Dredge, excavating, and loading machine operators	53-7030	Summary	55.1	59.3	4.3	7.8	5.9	6.6	\$ 41,600	_	_	_	
Dredge operators	53-7031	Line item	1.8	1.9	0.1	5.3	5.7	0.2	\$ 42,420	High school diploma	None	Moderate-term on	the-job training
Excavating and loading machine and dragline operators	53-7032	Line item	50.6	54.9	4.3	8.4	5.9	6.1	\$ 41,030	High school diploma	Less than 5 years	Moderate-term on	the-job trainin
Loading machine operators, underground mining	53-7033	Line item	2.6	2.5	-0.1	-3.2	6.2	0.3	\$ 53,420	No formal education	None	Short-term on-the-	job training
Hoist and winch operators	53-7041	Line item	2.9	2.9	0.0	-0.7	_	0.4	\$ 42,530	No formal education	None	Short-term on-the-	job training
Industrial truck and tractor operators	53-7051	Line item	549.9	586.1	36.2	6.6	0.2	65.9		No formal education	None	Short-term on-the-	job training
Laborers and material movers, hand	53-7060	Summary	3,796.0	4,051.3	255.3	6.7	1.2		\$ 24,720	_	_	_	
Cleaners of vehicles and equipment	53-7061	Line item	369.2	409.1	39.9	10.8	4.2	57.8	\$ 22,220	No formal education	None	Short-term on-the-	job training
Laborers and freight, stock, and material movers, hand	53-7062	Line item	2,628.4	2,829.2	200.8	7.6	1.0	388.6	\$ 25,980	No formal education	None	Short-term on-the-	job training
Machine feeders and offbearers	53-7063	Line item	87.7	89.3	1.6	1.8	_	12.0	\$ 28,410	No formal education	None	Short-term on-the-	job training
Packers and packagers, hand	53-7064	Line item	710.8	723.8	13.0	1.8	0.4	108.4	\$ 22,130	No formal education	None	Short-term on-the-	job training
Pumping station operators	53-7070	Summary	27.3	31.6	4.3	15.6	0.5	3.9	\$ 48,840	_	_	_	
Gas compressor and gas pumping station operators	53-7071	Line item	3.9	4.0	0.1	3.3	_	0.5	\$ 60,470	High school diploma	None	Moderate-term on	the-job trainin
Pump operators, except wellhead pumpers	53-7072	Line item	11.9	13.5	1.6	13.8	0.5	1.7	\$ 42,470	High school diploma	None	Moderate-term on	the-job trainin
Wellhead pumpers	53-7073	Line item	11.5	14.0	2.5	21.7	0.5	1.8	\$ 49,610	High school diploma	Less than 5 years	Moderate-term on	the-job trainin
Refuse and recyclable material collectors	53-7081	Line item	136.0	153.6	17.7	13.0	14.1	18.9	\$ 35,270	No formal education	None	Short-term on-the-	job training
Mine shuttle car operators	53-7111	Line item	1.5	1.2	-0.3	-21.9	_	0.1	\$ 56,450	No formal education	None	Short-term on-the-	job training
Tank car, truck, and ship loaders	53-7121	Line item	10.8	11.4	0.6	5.2	_	1.4	\$ 35,770	No formal education	None	Short-term on-the-	job training
Material moving workers, all other	53-7199	Line item	24.4	26.7	2.3	9.3	_	3.2	\$ 28,370	No formal education	None	Short-term on-the	job training

Source: Employment Projections program, U.S. Bureau of Labor Statistics

⁽¹⁾ Data are from the Occupational Employment Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or househol Note: Data is unavailable for values denoted with a "—".

Table 1.10 Occupational separations and openings, projected 2016-2026 (Numbers in thousands)

			Emplo	yment	Employ change,		2016-26	al separations annual averag		an	al separations, inual average	2016-26	Occupational openings, 2016
2016 National Employment Matrix title and code		Occupation	2016	2026	Number	Paraont	Labor force exits	Occupational transfers	Total		Occupational transfers	Total	26 annual
Total all accumations	00 0000	type			Number	Percent							average
Total, all occupations Management occupations	00-0000 11-0000	Summary Summary	156,063.8 9,533.1	167,582.3 10,411.5	11,518.6 878.3	7.4 9.2	4.7 2.8	6.2 4.8	10.9 7.7		10,040.0 479.6	17,588.5 763.4	
Top executives	11-1000	Summary	2,627.5	2,826.6		7.6		5.7	7.7		156.0	215.4	
Chief executives	11-1000	Line item	308.9	2,828.2		-3.5	2.2	4.1	7.9		12.5	21.2	
	11-1011	Line item	2,263.1	2,469.0		9.1	2.9	6.0	8		141.1	190.2	210.
General and operations managers	11-1021	Line item	55.5	59.4		7.1	2.7	4.2					
Legislators	11-1031	Summary	708.6	768.2		8.4	2.7	6.1	8.4	16.8	45.0	61.8	
managers			31.3	33.1		5.8		7.5		0.8	45.0		
Advertising and promotions managers	11-2011	Line item	603.8	654.0		8.3	2.0	6.1	10.1		38.2	52.5	
Marketing and sales managers	11-2020	Summary	218.3	240.1	21.8	10.0	2.3	6.1	8.3		13.9	19.1	21.3
Marketing managers	11-2021	Line item				7.4	2.3		8.3				
Sales managers	11-2022	Line item	385.5 73.5	413.9 81.1		10.4	2.3	6.1 5.7	8.3 7.9		24.3	33.3 6.1	
Public relations and fundraising managers	11-2031	Line item									4.4		
Operations specialties managers	11-3000	Summary	1,776.1	1,984.8		11.7	2.3	5.1	7.4		95.4	139.5	
Administrative services managers	11-3011	Line item	281.7	310.1		10.1	3.0	4.9	7.9		14.5	23.3	
Computer and information systems managers	11-3021	Line item	367.6	411.4		11.9	1.8	5.5	7.2		21.2		
Financial managers	11-3031	Line item	580.4	688.8		18.7	2.3	4.9	7.2		31.4		
Industrial production managers	11-3051	Line item	170.6	170.3		-0.2	2.3		6.9				
Purchasing managers	11-3061	Line item	73.9	78.0		5.6		4.9	7.8		3.7		
Transportation, storage, and distribution managers	11-3071	Line item	115.5	123.3			2.3	5.2	7.5		6.2		
Compensation and benefits managers	11-3111	Line item	15.8	16.6		5.0		4.7	7		0.8		
Human resources managers	11-3121	Line item	136.1	148.3		8.9		5.4	7.8		7.6		
Training and development managers	11-3131	Line item	34.5	38.1	3.6	10.3	2.8	5.9	8.7		2.1	3.2	
Other management occupations	11-9000	Summary	4,421.0	4,832.0		9.3	3.5	4.0	7.5		183.2	346.7	387.
Farmers, ranchers, and other agricultural managers	11-9013	Line item	1,028.7	1,097.4		6.7	5.8	1.5	7.3		15.8	77.9	
Construction managers	11-9021	Line item	403.8	449.9		11.4	2.3	4.4	6.7		19.0	28.8	
Education administrators	11-9030	Summary	531.6	579.9		9.1	2.8	4.6	7.4	15.6	25.3	40.9	
center/program	11-9031	Line item	61.8	68.3		10.6	2.8	4.6	7.4	1.8			
school	11-9032	Line item	251.3	271.0		7.8		4.6	7.4	7.3	11.9		
Education administrators, postsecondary	11-9033	Line item	180.1	198.1		10.0	2.8	4.6	7.4		8.6		
Education administrators, all other	11-9039	Line item	38.4	42.4		10.4	2.8	4.6	7.4	1.1	1.8		
Architectural and engineering managers	11-9041	Line item	180.1	190.0		5.5		4.8	6.8		8.9		
Food service managers	11-9051	Line item	308.7	336.0		8.8		7.4	10.5		23.8	34.0	
Funeral service managers	11-9061	Line item	25.7	27.4			2.7	4.2	6.9		1.1		
Gaming managers	11-9071	Line item	4.5	4.6		2.5		8.1	10.8		0.4	0.5	
Lodging managers	11-9081	Line item	47.8	50.6		5.9		6.5	9.9		3.2	4.9	
Medical and health services managers	11-9111	Line item	352.2	422.0		19.8	2.7	4.9	7.6		18.9	29.4	
Natural sciences managers	11-9121	Line item	56.7	62.3		9.9	2.2	5.6	7.9		3.3		
Postmasters and mail superintendents	11-9131	Line item	14.2	11.2		-20.9	2.7	4.2	6.9		0.5		
Property, real estate, and community association managers	11-9141	Line item	317.3	351.3		10.7	4.1	3.3	7.5		11.2		
Social and community service managers	11-9151	Line item	147.3	170.4	23.1	15.7	3.3	5.2	8.5		8.3	13.5	
Emergency management directors	11-9161	Line item	10.1	10.9		7.7	3.8	3.6	7.5		0.4		
Managers, all other	11-9199	Line item	992.1	1,068.0		7.6	2.7	4.2	6.9		43.2	71.1	
Business and financial operations occupations	13-0000	Summary	8,066.8	8,817.3		9.3	2.9	5.8	8.8		491.9		
Business operations specialists	13-1000	Summary	5,080.8	5,534.7	453.9	8.9		6.0	9		320.3	479.6	
athletes	13-1011	Line item	19.1	20.0		4.9		7.2	11.3		1.4		
Buyers and purchasing agents	13-1020	Summary	446.5	426.0	-20.5		3.3	6.0	9.3	14.4	26.4		38.
Buyers and purchasing agents, farm products	13-1021	Line item	13.7	12.9				6.8					
Wholesale and retail buyers, except farm products	13-1022	Line item	123.3	121.0		-1.9				4.8	8.8		
products	13-1023	Line item	309.4	292.1		-5.6							
Claims adjusters, appraisers, examiners, and investigators	13-1030	Summary	328.7	325.1			2.5			8.2	18.2	26.4	26.
Claims adjusters, examiners, and investigators	13-1031	Line item	311.1	306.6						7.7	17.2	24.9	24.
Insurance appraisers, auto damage	13-1032	Line item	17.6	18.5	0.9	4.9		5.6		0.5	1.0	1.5	1.5
Compliance officers	13-1041	Line item	288.3	312.0	23.7	8.2	2.8			8.4	15.1	23.5	
Cost estimators	13-1051	Line item	217.9	240.9	23.0	10.6		6.5	9.6	7.2	14.9	22.1	24.
Human resources workers	13-1070	Summary	631.8	664.5	32.6	5.2	2.9	6.6	9.5	18.8	42.6	61.4	64.
Human resources specialists	13-1071	Line item	547.8	586.4			2.9				37.3		
Farm labor contractors	13-1074	Line item	3.0	3.2							0.2		
Labor relations specialists	13-1075	Line item	81.1	74.8									

Legerican company 1.1 1.0 1.0 1.							1	,					
Meding, convension, and event patroness 19-1121 Line hem 16.7 126.5 11.8 10.2 2.8 7.5 11.3 4.6 9.2 13.8 15.5	Logisticians	13-1081 Line item	148.7	159.0	10.3	6.9	2.5	7.0	9.5	3.8	10.8	14.6	
Purstainers	Management analysts	13-1111 Line item	806.4	902.8	96.5	12.0		5.2	8.4	27.5		71.6	
Compression, benefits, and pis enaisives specialists 31-141 Line item 34.2 37.3 7.2 4.6 0.5 0.5 0.0 2.6 0.5 0.0	Meeting, convention, and event planners	13-1121 Line item	116.7	128.5	11.8	10.2	3.8	7.5	11.3	4.6	9.2	13.8	15.0
Minister insertations specialistics 13-1151 Line Intern 202.08 315.3 32.0 11.5 3.1 6.4 6.5 6.2 13.2 24.3 37.5	Fundraisers	13-1131 Line item	90.4	103.6	13.2	14.6	3.1	6.6	9.7	3.0	6.4	9.4	10.7
Minister insertations specialistics 13-1151 Line Intern 202.08 315.3 32.0 11.5 3.1 6.4 6.5 6.2 13.2 24.3 37.5	Compensation, benefits, and job analysis specialists	13-1141 Line item	84.2	91.3	7.2	8.5	2.5	5.4	8	2.2	4.8	7.0	7.7
Melesta fesaparia annivaria an in antanting specialists 11-1181 Line Item 1073-13 11-141 100 22.8 2.7 5.9 9.5 17.6 45.8 3.3 7.5 104.2	Training and development specialists	13-1151 Line item	282.8	315.3	32.5	11.5	3.1	6.4	9.5	9.2	19.2	28.4	31.7
Description of the control of the		13-1161 Line item	595.4	731.4	136.0	22.8	2.7	6.9	9.5	17.6	45.5	63.1	
Francial specialists 13-2000 Summary 29-60 3-28-60 9-2-8-6 5-5-6-5-8-8-8-1 171-6-29-7 Accorninar and adoletrs 13-2011 Line frem 13-2017 15-88-8 14-00 Accorninar and accessors of rail details 13-2018 Line frem 13-2017 15-88-8 14-00 13-2018 15-8													
Accountment and quotinon													
Appendixm and assessment of each estate 13/2012 Une from 80.8 92.4 11.8 14.4 3.5 2.9 6.4 3.0 2.6 6.5				,									
Suggest analysis				,									
Control analysis and advisions													
Financial analysis and advances 13-2060 June Irem 13-2061 Line Irem 13-2062 Line Irem 13-2063 Line Irem 13-2063 Line Irem 13-2063 Line Irem 13-2064 Line Irem 13-2064 Line Irem 13-2065 Line Irem 13-2066 Line Ire													
Personal francial advisors 13-2005 Line Irem 2001 338 2 32.1 10.0 2.0 3.8 8.0 6.2 10.6 20.0													
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Computer systems analysts 15-1121 Line item 600.5 653.5 3.8 8.8 1.8 4.5 6.3 11.5 28.0 39.5 44.8 Information security analysts 15-1121 Line item 100.0 128.5 28.4 28.4 1.8 4.9 6.6 2.0 5.6 7.6 10.4 10.5	Computer occupations	15-1100 Summary	4,238.4	4,784.5	546.1	12.9	1.7	4.8	6.5	75.7	217.2	292.9	347.5
Computer systems analysts 15-1122 Line item 600.5 653.5 53.0 8.8 1.8 4.5 6.3 11.5 28.0 39.5 44.8 Information security analysts 15-1122 Line item 100.0 128.5 28.4 28.4 1.8 4.9 6.6 2.0 5.6 7.6 10.0 Software developers and programmers 15-1130 Summary 1,714.0 2,012.3 298.2 17.4 1.5 4.9 6.3 27.4 99.5 117.9 147.7 Computer programmers 15-1131 Line item 294.9 272.3 298.2 17.4 1.5 4.9 6.3 27.4 99.5 117.9 147.7 Software developers, applications 15-1132 Line item 831.3 1,084.6 253.4 30.5 1.4 4.9 6.3 13.1 47.0 60.1 85.5 Software developers, systems software 15-1133 Line item 425.0 471.0 46.1 10.8 1.4 4.9 6.3 6.1 1.2 2.0 28.1 33.7 Web developers 15-1134 Line item 462.5 471.0 46.1 10.8 1.4 4.9 6.3 6.1 22.0 28.1 33.7 Web developers 15-1134 Line item 462.9 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.4 2.9 Database administrators 15-1140 Summary 673.4 721.4 48.0 7.1 1.5 4.7 6.2 10.7 32.5 43.1 47.9 Database administrators 15-1141 Line item 119.5 133.2 13.7 11.5 2.1 4.2 6.3 2.7 5.2 7.9 9.3 1.9 Network and computer systems administrators 15-1143 Line item 162.7 173.1 10.4 6.4 1.4 4.9 6.3 2.7 5.2 7.9 9.3 1.9 Network architects 15-1143 Line item 162.7 173.1 10.4 6.4 1.4 4.9 6.3 2.7 5.2 7.9 9.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	Computer and information research scientists	15-1111 Line item	27.9	33.2	5.4	19.2	1.4	5.2	6.6	0.4	1.6	2.0	2.5
Information security analysis 15-1122 Line Item 100.0 128.5 28.4 28.4 1.8 4.9 6.6 2.0 5.6 7.6 1.04	Computer and information analysts	15-1120 Summary	700.5	782.0	81.5	11.6	1.8	4.5	6.3	13.5	33.5		
Software developers and programmers 15-1130 Summary 1,714.0 2,012.3 298.2 17.4 1.5 4.9 6.3 27.4 90.5 117.9 147.7	Computer systems analysts	15-1121 Line item	600.5	653.5	53.0	8.8	1.8	4.5	6.3	11.5	28.0	39.5	
Computer programmers 15-1131 Line Item 29-49 272-3 -22-6 -7.6 1.7 4.5 6.2 5.0 12.7 17.6 15.4 Software developers, applications 15-1132 Line Item 425.0 4.0 4.0 10.8 1.4 4.9 6.3 6.1 22.0 28.1 32.7 Web developers 15-1133 Line Item 425.0 142.2 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 architects 15-1134 Line Item 16.2.9 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 architects 15-1140 Summary 673.4 72.1 4.8 0.7 7.1 1.6 47 6.2 10.7 32.5 43.1 47.9 Database administrators 15-1141 Line Item 119.5 133.2 13.7 11.5 2.1 4.2 6.3 2.7 5.2 7.9 9.9 Network and computer systems administrators 15-1142 Line Item 391.3 415.2 23.9 6.1 1.4 4.7 6.1 5.7 19.0 24.6 27.0 Computer network architects 15-1145 Line Item 391.3 415.2 23.9 6.1 1.4 4.7 6.1 5.7 19.0 24.6 27.0 Computer support specialists 15-1150 Summary 835.3 32.2 8.71 10.4 6.4 1.4 4.9 6.3 2.4 8.3 10.6 12.7 Computer user support specialists 15-1150 Summary 835.3 32.2 8.71 10.4 2.0 5.1 7.2 17.9 45.2 6.3 1.7 Computer retwork support specialists 15-1150 Line Item 190.8 21.4 8.1 1.5 1.0 2.0 5.1 7.2 13.7 34.6 48.3 10.6 10.5 Computer retwork support specialists 15-1152 Line Item 190.8 21.4 8.1 1.5	Information security analysts	15-1122 Line item	100.0	128.5	28.4	28.4	1.8	4.9	6.6	2.0	5.6	7.6	10.4
Computer programmers 15-1131 Line item 29-49 272-3 -22-6 -7-6 1.7 4.5 6.2 5.0 12.7 17-6 15-6 Software developers, applications 15-1132 Line item 425.0 471.0 46.1 10.8 1.4 4.9 6.3 6.1 22.0 28.1 32.7 32.2 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2 32.7 32.2	Software developers and programmers	15-1130 Summary	1,714.0	2,012.3	298.2	17.4	1.5	4.9	6.3	27.4	90.5	117.9	147.7
Software developers, applications 15-1132 Line Item 831.3 1,084.6 253.4 30.5 1.4 4.9 6.3 13.1 47.0 60.1 85.5 Software developers, systems software 15-1134 Line Item 162.0 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 Web developers 15-1143 Line Item 162.0 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 Software developers, systems software 15-1144 Line Item 162.0 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 Database administrators 15-1141 Line Item 195.5 133.2 13.7 11.5 2.1 4.2 6.3 2.7 5.2 7.9 2.9 Network and computer systems administrators 15-1142 Line Item 391.3 415.2 23.9 6.1 1.4 4.7 6.1 5.7 19.0 24.6 27.0 Computer network architects 15-1143 Line Item 162.7 17.5 10.4 6.4 1.4 4.9 6.3 2.4 8.3 10.6 11.7 Computer support specialists 15-1163 Summary 355.3 32.2 8.7 10.4 2.0 5.1 7.2 17.9 45.2 63.1 17.8 Computer user support specialists 15-1163 Line Item 198.8 21.8 16.1 8.1 2.0 5.1 7.2 13.7 34.6 48.3 57.8 Computer network support specialists 15-1162 Line Item 198.8 21.8 16.1 8.1 2.0 5.1 7.2 4.2 10.6 14.8 3.5 Computer occupations 15-193 Line Item 198.8 21.8 16.1 8.1 2.0 5.1 7.2 4.2 10.6 14.8 15.5 Mathematical science occupations 15-2000 Summary 180.7 23.9 50.2 27.8 2.0 4.2 6.2 4.0 8.7 12.7 17.8 Mathematical science occupations 15-201 Line Item 32.6 28.9 5.3 22.5 1.3 4.7 6 6.0 3.3 1.2 1.6 2.1 Mathematical science occupations 15-201 Line Item 37.2 49.6 1.4 33.4 2.1 5.2 7.3 0.1 0.2 0.3 0.3 Mathematical science occupations 15-201 Line Item 37.2 49.6 1.4 49.6 3.3 5.8 4.5 4.5 7.3 0.9 2.2 3.2 4.4 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	Computer programmers	15-1131 Line item	294.9	272.3	-22.6	-7.6	1.7		6.2	5.0	12.7	17.6	15.4
Software developers, systems software		15-1132 Line item	831.3	1,084.6	253.4	30.5	1.4		6.3	13.1	47.0	60.1	85.5
Web developers 15-1134 Line Item 162,9 184.2 21.3 13.1 1.9 5.1 6.9 3.2 8.8 12.0 14.2 21.3 21.1 21.4 21.3 21.4 21.4 21.3 21.4 2	1 11	15-1133 Line item	425.0	471.0	46.1	10.8	1.4		6.3	6.1	22.0	28.1	
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Network and computer systems administrators													
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Engineers 17-200 Summary 1,681.0 1,819.7 138.7 8.3 2.2 4.2 6.4 38.5 74.1 112.7 126.6 Aerospace engineers 17-2011 Line item 69.6 73.8 4.2 6.1 2.3 3.6 5.8 1.6 2.6 4.2 4.6 Agricultural engineers 17-2021 Line item 2.7 2.9 0.2 8.1 2.3 4.0 6.3 0.1 0.1 0.2 0.2									7				1.2
Aerospace engineers 17-2011 Line item 69.6 73.8 4.2 6.1 2.3 3.6 5.8 1.6 2.6 4.2 4.6 Agricultural engineers 17-2021 Line item 2.7 2.9 0.2 8.1 2.3 4.0 6.3 0.1 0.1 0.2 0.2									7				
Agricultural engineers 17-2021 Line item 2.7 2.9 0.2 8.1 2.3 4.0 6.3 0.1 0.1 0.2 0.2	<u> </u>												
Biomedical engineers 17-2031 Line item 21.3 22.8 1.5 7.2 2.2 4.3 6.5 0.5 1.0 1.4 1.6	Agricultural engineers												
	Biomedical engineers	17-2031 Line item	21.3	22.8	1.5	7.2	2.2	4.3	6.5	0.5	1.0	1.4	1.6

Conception Individual registers 17201 Internal 2635 300 301 101 22 4.9 71 4.0 1.0 27 7.0 7			T					1						T .
Comparison expenses	Chemical engineers	17-2041	Line item	32.7	35.2	2.5	7.6		4.1	6.3	0.7	1.4		2.4
Exercise and electronice argingment			_											25.9
Execution engineers 17-2072 Use inem 196.0 204.5 16.2 6.0 6.2 4.4 7.6 12.3 13.5	·		_											5.1
Electronice argineres, secured computer 17:2072 Line Islam 198-3 141.9 5.1 3.7 2.2 4.0 6.3 3.1 5.6 6.7 9.9 F. Findermunical electronic electron	V													
Experimental engineers 17-208 Line Ielen 53-8 59-8 4-4 5.8 2.2 4.1 6.4 1.3 2.2 3.8 2.7 4.1 6.4 6.8 1.2 1.4 6.8 1.2														
Industrial engineeries, including health and safetys 17-2110 Sourmey 283.8 311.2 27.3 9.6 2.3 4.1 6.4 0.8 1.1 1.7 7.1			_											9.2
engineers and inspections 77-2111 Line Bern 25-9 28.3 25 2.2 4.1 6.4 6.5 1.1 1.7 1.7 1.5 Marries suprisons and read architects 77-212 Line Bern 25-9 28.3 28.1 2.7 2.3 4.1 6.4 6.2 1.10 17.2 19. Marries suprisons and read architects 77-212 Line Bern 25-9 27.5 1.0 1.1 2.3 3.3 3.0 0.	Environmental engineers	17-2081	Line item				8.3		4.1		1.3			
Industrial engineers 17-211 Une florm 257 9 253 251 97 2.5 4.1 6.4 6.2 11.0 17.2 19.0	Industrial engineers, including health and safety	17-2110	Summary								6.8	12.1	18.9	
Materials engineers and nearlal architects	engineers and inspectors	17-2111	Line item	25.9	28.1	2.2	8.6	2.3	4.1	6.4	0.6	1.1	1.7	1.9
Mechanical engineers	Industrial engineers	17-2112	Line item	257.9	283.0	25.1	9.7	2.3	4.1	6.4	6.2	11.0	17.2	19.7
Mechanical engineers	Marine engineers and naval architects	17-2121	Line item	8.2	9.2	1.0	11.5	2.3	3.7	6	0.2	0.3	0.5	0.6
Engineers	Materials engineers	17-2131	Line item	27.0	27.5	0.4	1.6	3.1	3.8	7	0.9	1.0	1.9	1.9
Notice regiments	Mechanical engineers	17-2141	Line item	288.8	314.1	25.3	8.8	2.0	4.2	6.2	6.1	12.5	18.7	21.2
Perfolation displayers	engineers	17-2151	Line item	7.3	7.9	0.5	7.2	1.7	5.4	7.2	0.1	0.4	0.5	0.6
Petrolum anglisposes 17,2171 Line Item 337 336 4.9 14.5 1.8 4.6 6.4 0.7 1.7 2.3 2.5 2.5 2.5 2.5 4.0 6.5 3.1 5.5 6.7 9.5 1.5	Nuclear engineers	17-2161	Line item	17.7	18.4	0.7	3.8	2.7	4.6	7.3	0.5	0.8	1.3	1.4
Engineers, all other Drafters, engineering sechnicians, and mapping technicians. 17-3000 Surmanay. 7002 7-4968. 80.2 6.2 2.3 4.0 6.3 3.1 5.5 8.7 0.0 Drafters engineering sechnicians. 17-3010 Surmanay. 2077 22-22 4.6 5.7 0.3 1.5 5.6 8.6 2.29 3.9 9.6 2.7 88.0 Drafters engineering sechnicians. 17-3010 Surmanay. 2077 22-22 4.6 7.0 3.0 5.4 8.4 6.3 11.6 18.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	Petroleum engineers	17-2171	Line item	33.7	38.6	4.9	14.5	1.8	4.6	6.4	0.7	1.7	2.3	2.8
Drafters	Engineers, all other	17-2199	Line item	132.5	140.8	8.2	6.2	2.3	4.0	6.3	3.1	5.5	8.7	
Architectural and out offerings of T-2011 Une term 99.6 107.7 8.0 8.1 3.0 5.4 8.4 3.1 5.6 8.7 9.5 Electroal and electronics offering the T-2012 Une term 27.4 29.2 1.8 6.7 3.0 5.4 8.4 0.8 1.5 2.4 2.2 Mechanical drafters 17.7013 Une term 17.7014 Une term 17.7013 Une term 17.7014 Une term 17.7014 Une term 17.7014 Une term 17.7014 Une term 17.7015	Drafters, engineering technicians, and mapping technicians	17-3000	Summary	709.2	749.6	40.4	5.7	3.1	5.5	8.6	22.9	39.9	62.7	66.8
Architectural and viol drafters 17,3011 Une helm 99.6 107.7 8.0 8.1 3.0 5.4 8.4 3.1 5.6 8.7 9.5 Electrical and electronics drafters 17,3013 Une helm 27.4 29.2 1.8 6.7 3.0 5.4 8.4 0.8 1.5 2.4 2.2 Mechanical drafters 17,3013 Une helm 64.8 68.1 3.3 5.1 3.0 5.4 8.4 2.0 3.6 5.5 5.5 Drafters, and other 17,3013 Une helm 64.8 68.1 3.3 5.1 3.0 5.4 8.4 2.0 3.6 5.5 5.5 Drafters, and other 17,3013 Une helm 18,3013 Une helm 18,3013 Une helm 17,3013 Une helm 18,3013 Une helm	Drafters	17-3010	Summary	207.7	222.2	14.5	7.0	3.0	5.4	8.4	6.3	11.6	18.0	19.4
Electrical and electronics ordiners	Architectural and civil drafters	17-3011	Line item	99.6	107.7		8.1	3.0	5.4	8.4	3.1	5.6	8.7	9.5
Mechanical drafters 17-3013 Une letrn 44-8 68.1 3.3 5.1 3.0 5.4 8.4 2.0 3.6 5.5 5.5 Drafters, all other 17-3019 Une letrn 45.9 17.2 1.3 7.9 3.0 5.4 8.4 0.5 0.9 1.4 1.1 Enjineeling technicians, except drafters 17-3020 Summary 441,3 460.9 18.6 4.4 3.2 5.3 8.5 1.4 23.8 38.2 40 Acrospace engineering nethnicians 17-3021 Une letrn 12.1 1.2 0.8 6.6 3.2 5.3 8.5 0.4 0.7 1.1 1.1 Civil engineering technicians 17-3022 Une letrn 14.5 81.1 6.8 8.8 3.2 5.3 8.5 2.5 4.1 6.6 7.1 Electrical endendering interventions 17-3022 Une letrn 14.5 81.1 6.8 8.8 3.2 5.3 8.5 4.4 7.3 11.7 12.2 Electricance-trained electricans engineering technicians 17-3022 Une letrn 17.0 1.1														2.5
Drafters, all other 17-3019 Une liter 15-9 17-2 13 7-9 3.0 5.4 8.4 0.5 0.9 1.4 1.5														5.9
Engineering technicians, except drafters 17-3020 Summary 441,3 460.0 19.6 4.4 3.2 5.3 8.5 14.4 23.8 38.2 4.4 Aerospace engineering and operations technicians 17-3022 Line telm 12.1 12.9 0.8 6.6 3.2 5.3 8.5 0.4 0.7 1.1			_											1.5
Aerospace argineering and operations technicians 17-3021 Line item 12:1 12:9 0.8 6.6 3.2 5.3 8.5 0.4 0.7 1.1 1 1.1 CM in the C	,													40.1
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Materials scientists 19-2032 Line item 7.9 8.5 0.6 7.1 2.5 6.3 8.8 0.2 0.5 0.7 0 Environmental scientists and geoscientists 19-2040 Summary 128.2 143.2 15.0 11.7 2.2 6.9 9 2.9 9.3 12.2 13 Environmental scientists and specialists, including health 19-2041 Line item 89.5 99.3 9.9 11.1 2.2 6.9 9 2.0 6.5 8.5 9 Geoscientists, except hydrologists and geographers 19-2042 Line item 32.0 36.5 4.5 13.9 2.2 6.9 9 0.7 2.4 3.1 3 Hydrologists 19-2043 Line item 6.7 7.4 0.7 9.9 2.2 6.9 9 0.2 0.5 0.6 0														
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Environmental scientists and specialists, including health 19-2041 Line item 89.5 99.3 9.9 11.1 2.2 6.9 9 2.0 6.5 8.5 9 Geoscientists, except hydrologists and geographers 19-2042 Line item 32.0 36.5 4.5 13.9 2.2 6.9 9 0.7 2.4 3.1 3 Hydrologists 19-2043 Line item 6.7 7.4 0.7 9.9 2.2 6.9 9 0.2 0.5 0.6 0			_											
Geoscientists, except hydrologists and geographers 19-2042 Line item 32.0 36.5 4.5 13.9 2.2 6.9 9 0.7 2.4 3.1 3 Hydrologists 19-2043 Line item 6.7 7.4 0.7 9.9 2.2 6.9 9 0.2 0.5 0.6 0														13.8
Hydrologists 19-2043 Line item 6.7 7.4 0.7 9.9 2.2 6.9 9 0.2 0.5 0.6 0														
Physical scientists, all other 19-2099 Line item 23.5 25.0 1.5 6.4 1.8 5.9 7.6 0.4 1.4 1.8 2	, ,													
	Physical scientists, all other	19-2099	Line item	23.5	25.0	1.5	6.4	1.8	5.9	7.6	0.4	1.4	1.8	2.0

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Social scientists and related workers	19-3000	Summary	303.8	335.6	31.8	10.5	2.5			7.9	15.3	23.2	26.4
Economists	19-3011	Line item	21.3	22.5	1.3	6.0	1.4	5.5	6.9	0.3	1.2	1.5	1.6
Survey researchers	19-3022	Line item	14.6	14.7	0.1	0.9	2.9	6.1	9	0.4	0.9	1.3	1.3
Psychologists	19-3030	Summary	166.6	189.2	22.6	13.6	2.5	3.8	6.3	4.5	6.8	11.3	13.5
Clinical, counseling, and school psychologists	19-3031	Line item	147.5	168.4	20.9		2.5			4.0	6.0	10.0	12.1
Industrial-organizational psychologists	19-3032	Line item	1.7	1.8	0.1		2.5			0.0	0.1	0.1	0.1
Psychologists, all other	19-3039	Line item	17.4	19.0	1.6		2.5			0.5	0.7	1.2	1.3
, ,													
Sociologists	19-3041	Line item	3.5	3.5	0.0		2.9				0.2	0.3	0.3
Urban and regional planners	19-3051	Line item	36.0	40.6	4.6		2.0				2.3	3.1	3.5
Miscellaneous social scientists and related workers	19-3090	Summary	61.9	65.0	3.2		2.9			1.8	3.9	5.7	6.0
Anthropologists and archeologists	19-3091	Line item	7.6	7.9			2.9			0.2	0.5	0.7	0.7
Geographers	19-3092	Line item	1.5	1.6	0.1	6.2	2.9	6.1	9	0.0	0.1	0.1	0.2
Historians	19-3093	Line item	3.3	3.5	0.2	5.4	2.9	6.1	9	0.1	0.2	0.3	0.3
Political scientists	19-3094	Line item	7.3	7.4	0.2		2.9		9	0.2	0.5	0.7	0.7
Social scientists and related workers, all other	19-3099	Line item	42.1	44.6	2.5		2.9				2.7	3.9	4.1
Life, physical, and social science technicians	19-4000	Summary	392.1	424.0	31.9		3.4			14.1	28.6	42.7	45.9
• • • • • • • • • • • • • • • • • • • •			27.5	29.2			2.8			0.8		2.8	
Agricultural and food science technicians	19-4011	Line item			1.7						2.0		3.0
Biological technicians	19-4021	Line item	82.1	90.4	8.4		2.6			2.2	5.9	8.1	8.9
Chemical technicians	19-4031	Line item	67.3	69.9	2.7		3.3			2.3	4.0	6.3	6.6
Geological and petroleum technicians	19-4041	Line item	15.0	17.4	2.5		2.8			0.4	1.2	1.6	1.9
Nuclear technicians	19-4051	Line item	6.9	6.9	0.0	0.6	4.0		11.5	0.3	0.5	0.8	8.0
Social science research assistants	19-4061	Line item	34.0	35.4	1.4	4.1	4.0	7.5	11.5	1.4	2.6	4.0	4.1
Miscellaneous life, physical, and social science technicians	19-4090	Summary	159.3	174.6	15.3	9.6	4.0		11.5	6.7	12.4	19.1	20.7
including health	19-4091	Line item	34.6	38.8	4.1		4.0			1.5	2.7	4.2	4.6
Forensic science technicians	19-4092	Line item	15.4	18.0	2.6		4.0			0.7	1.2	1.9	2.2
Forest and conservation technicians	19-4093	Line item	33.2	34.5	1.3		4.0			1.4	2.5	3.9	4.0
Life, physical, and social science technicians, all other	19-4099	Line item	76.1	83.4	7.3		4.0			3.2	5.9	9.1	9.9
Community and social service occupations	21-0000	Summary	2,570.7	2,917.9	347.2		4.0			110.0	182.3	292.3	327.0
service specialists	21-1000	Summary	2,126.4	2,439.1	312.7	14.7	3.9			88.0	151.4	239.4	270.7
Counselors	21-1010	Summary	744.5	853.5	109.1	14.7	3.7	6.5	10.2	29.4	52.3	81.6	92.5
Substance abuse and behavioral disorder counselors	21-1011	Line item	102.4	122.8	20.4	19.9	3.7	6.5	10.2	4.1	7.4	11.5	13.5
Educational, guidance, school, and vocational counselors	21-1012	Line item	291.7	324.7	33.0	11.3	3.7	6.5	10.2	11.3	20.2	31.5	34.8
Marriage and family therapists	21-1013	Line item	41.5	49.9	8.4		3.7			1.7	3.0	4.7	5.5
Mental health counselors	21-1014	Line item	157.7	188.9	31.2		3.7			6.4	11.3	17.7	20.8
Rehabilitation counselors	21-1015	Line item	119.3	130.9	11.6		3.7			4.6	8.2	12.8	13.9
Counselors, all other	21-1019	Line item	31.8	36.3	4.5		3.7			1.3	2.2	3.5	3.9
Social workers	21-1020	Summary	682.1	784.2	102.1	15.0	3.6			26.4	46.6	73.0	83.2
Child, family, and school social workers	21-1021	Line item	317.6	359.7	42.1	13.3	3.6				21.5	33.7	37.9
Healthcare social workers	21-1022	Line item	176.5	209.3	32.7	18.5	3.6	6.4	10	6.9	12.3	19.2	22.5
Mental health and substance abuse social workers	21-1023	Line item	123.9	146.1	22.2	17.9	3.6	6.4	10	4.9	8.6	13.4	15.7
Social workers, all other	21-1029	Line item	64.0	69.0	5.0	7.9	3.6	6.4	10	2.4	4.2	6.6	7.1
Miscellaneous community and social service specialists	21-1090	Summary	699.9	801.5	101.6		4.3		11.3	32.3	52.6	84.9	95.0
Health educators	21-1091	Line item	61.0	69.9	8.8		4.5			3.0	4.9	7.8	8.7
Probation officers and correctional treatment specialists	21-1092	Line item	91.3	96.5	5.2		3.0			2.8	5.0	7.8	8.3
	21-1092		389.8	453.7	63.9		4.5			18.8	30.2	49.0	
Social and human service assistants	_	Line item											55.4
Community health workers	21-1094	Line item	57.5	67.8	10.4		4.5			2.8	4.6	7.5	8.5
Community and social service specialists, all other	21-1099	Line item	100.3	113.5	13.2		4.5			4.8	7.9	12.8	14.1
Religious workers	21-2000	Summary	444.2	478.7	34.5		4.8			22.0	30.9	52.9	56.3
Clergy	21-2011	Line item	243.9	263.6	19.6		4.6	6.1	10.7	11.6	15.6	27.2	29.2
Directors, religious activities and education	21-2021	Line item	147.1	157.8	10.8	7.3	4.4	7.6	12	6.8	11.6	18.3	19.4
Religious workers, all other	21-2099	Line item	53.2	57.3	4.1		6.5	6.8	13.3	3.6	3.7	7.3	7.7
Legal occupations	23-0000	Summary	1,283.3	1,409.1	125.8		2.4				46.5	79.4	91.9
Lawyers, judges, and related workers	23-1000	Summary	858.2	936.9	78.7		2.0			17.7	19.6	37.3	45.2
	_		806.5	882.2	75.6		2.0			16.7	18.4	35.1	42.7
Lawyers and judicial law clerks	23-1010	Summary											
Lawyers	23-1011	Line item	792.5	867.4	74.8		2.0			16.5	18.0	34.4	41.9
Judicial law clerks	23-1012	Line item	14.0	14.8	0.8		1.4			0.2	0.5	0.7	0.8
Judges, magistrates, and other judicial workers	23-1020	Summary	51.7	54.7	3.1		2.0			1.1	1.2	2.2	2.5
		II to a that as	15.4	16.0	0.6	4.0	2.0			0.3	0.3	0.7	0.7
officers	23-1021	Line item											
officers Arbitrators, mediators, and conciliators	23-1021 23-1022	Line item	7.8	8.7	0.9	11.3	2.0	2.2	4.1	0.2	0.2	0.3	0.4
Arbitrators, mediators, and conciliators	23-1022	Line item		8.7 30.0					4.1	0.2 0.6	0.2 0.6	0.3 1.2	
Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates	23-1022 23-1023	Line item Line item	7.8 28.4	30.0	1.6	5.6	2.0	2.2	4.1	0.6	0.6	1.2	1.4
Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates Legal support workers	23-1022 23-1023 23-2000	Line item Line item Summary	7.8 28.4 425.1	30.0 472.2	1.6 47.1	5.6 11.1	2.0 3.4	2.2 6.0	4.1 9.4	0.6 15.1	0.6 26.9	1.2 42.0	1.4 46.7
Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates Legal support workers Paralegals and legal assistants	23-1022 23-1023 23-2000 23-2011	Line item Line item Summary Line item	7.8 28.4 425.1 285.6	30.0 472.2 327.4	1.6 47.1 41.8	5.6 11.1 14.6	2.0 3.4 3.3	2.2 6.0 6.7	4.1 9.4 10	0.6 15.1 10.1	0.6 26.9 20.4	1.2 42.0 30.5	1.4 46.7 34.7
Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates Legal support workers	23-1022 23-1023 23-2000	Line item Line item Summary	7.8 28.4 425.1	30.0 472.2 327.4 144.7	1.6 47.1	5.6 11.1 14.6 3.8	2.0 3.4	2.2 6.0 6.7 4.6	4.1 9.4 10 8.1	0.6 15.1	0.6 26.9	1.2 42.0	1.4 46.7

Title examiners, shotreeters, and secrebers	23-2093	Line item	69.0	71.7	2.8	4.0	3.5	4.6	8.1	2.5	3.2	5.7	6.
Title examiners, abstractors, and searchers		Line item	50.9	52.7						1.8	2.4		
Legal support workers, all other	23-2099		9,426.5	10,303.4	1.8 876.8		3.5			420.9		4.2 829.0	916.
Education, training, and library occupations	25-0000	Summary					4.3				408.0		
Postsecondary teachers	25-1000	Summary	1,871.4	2,107.9	236.6		3.7			72.9	75.9	148.7	172.
Business teachers, postsecondary	25-1011	Line item	104.2	123.0	18.9		3.7			4.2	4.3	8.5	10.
Math and computer teachers, postsecondary	25-1020	Summary	100.6	109.4	8.8		3.7			3.8	4.0	7.8	8.
Computer science teachers, postsecondary	25-1021	Line item	39.7	42.8	3.2		3.7			1.5	1.6	3.1	3.
Mathematical science teachers, postsecondary	25-1022	Line item	60.9	66.6	5.6		3.7			2.3	2.4	4.8	5.
Engineering and architecture teachers, postsecondary	25-1030	Summary	57.1	65.0	7.9		3.7			2.2	2.3	4.6	5.
Architecture teachers, postsecondary	25-1031	Line item	9.5	10.5	1.0		3.7			0.4	0.4	0.7	0.
Engineering teachers, postsecondary	25-1032	Line item	47.6	54.6	6.9		3.7			1.9	1.9	3.8	4.
Life sciences teachers, postsecondary	25-1040	Summary	77.1	87.6	10.5		3.7			3.0	3.1	6.2	7.
Agricultural sciences teachers, postsecondary	25-1041	Line item	12.6	13.6	0.9	7.5	3.7			0.5	0.5	1.0	1.
Biological science teachers, postsecondary	25-1042	Line item	62.3	71.7	9.4	15.1	3.7	3.8	7.5	2.5	2.6	5.0	6.
postsecondary	25-1043	Line item	2.2	2.3	0.2	7.7	3.7	3.8	7.5	0.1	0.1	0.2	0.
Physical sciences teachers, postsecondary	25-1050	Summary	64.0	70.2	6.3	9.8	3.7	3.8	7.5	2.5	2.6	5.0	5.
teachers, postsecondary	25-1051	Line item	13.1	14.4	1.3	9.5	3.7	3.8	7.5	0.5	0.5	1.0	1.
Chemistry teachers, postsecondary	25-1052	Line item	26.3	28.9	2.6		3.7			1.0	1.1	2.1	2.
Environmental science teachers, postsecondary	25-1053	Line item	6.9	7.6			3.7			0.3	0.3	0.5	0.
Physics teachers, postsecondary	25-1054	Line item	17.6	19.4	1.8		3.7			0.7	0.7	1.4	1.
Social sciences teachers, postsecondary	25-1060	Summary	141.3	158.0	16.7		3.7			5.5	5.7	11.2	12.
Anthropology and archeology teachers, postsecondary	25-1061	Line item	7.1	7.8	0.7		3.7			0.3	0.3	0.6	0.
Area, ethnic, and cultural studies teachers, postsecondary		Line item	11.5	12.7	1.2		3.7			0.4	0.5	0.9	1.
	25-1063	Line item	16.5	18.2	1.8		3.7			0.6	0.7	1.3	1.
Economics teachers, postsecondary Geography teachers, postsecondary	25-1063	Line item	5.0	5.4	0.4		3.7			0.6	0.7	0.4	0.
	_		21.2	23.4	2.2		3.7			0.8	0.2	1.7	
Political science teachers, postsecondary	25-1065	Line item											1.
Psychology teachers, postsecondary	25-1066	Line item	46.9	54.0	7.1		3.7			1.8	1.9	3.8	4.
Sociology teachers, postsecondary	25-1067	Line item	17.9	19.6	1.7		3.7			0.7	0.7	1.4	1.
Social sciences teachers, postsecondary, all other	25-1069	Line item	15.3	16.8	1.5		3.7			0.6	0.6	1.2	1.
Health teachers, postsecondary	25-1070	Summary	301.4	378.2	76.8		3.7			12.4	13.0	25.4	33.
Health specialties teachers, postsecondary	25-1071	Line item	233.5	294.0	60.5		3.7			9.7	10.1	19.7	25.
Nursing instructors and teachers, postsecondary	25-1072	Line item	67.9	84.2	16.3		3.7			2.8	2.9	5.7	7.
Education and library science teachers, postsecondary	25-1080	Summary	80.5	88.7	8.2		3.7			3.1	3.2	6.3	7.
Education teachers, postsecondary	25-1081	Line item	74.5	82.2	7.7		3.7			2.9	3.0	5.9	6.
Library science teachers, postsecondary	25-1082	Line item	6.0	6.5	0.5		3.7			0.2	0.2	0.5	0.
postsecondary	25-1110	Summary	53.4	59.6	6.2		3.7			2.1	2.2	4.2	4.
postsecondary	25-1111	Line item	17.3	19.4	2.2		3.7			0.7	0.7	1.4	1.
Law teachers, postsecondary	25-1112	Line item	21.2	23.8	2.6	12.2	3.7	3.8	7.5	0.8	0.9	1.7	1.
Social work teachers, postsecondary	25-1113	Line item	14.9	16.3	1.5	9.9	3.7	3.8	7.5	0.6	0.6	1.2	1.
postsecondary	25-1120	Summary	334.9	372.1	37.2	11.1	3.7	3.8	7.5	12.9	13.5	26.4	30.
Art, drama, and music teachers, postsecondary	25-1121	Line item	122.5	137.2	14.7		3.7			4.8	5.0	9.7	11.
Communications teachers, postsecondary	25-1122	Line item	34.1	37.5	3.4		3.7			1.3	1.4	2.7	3.
English language and literature teachers, postsecondary	25-1123	Line item	84.6	92.9	8.3		3.7			3.3	3.4	6.6	7.
Foreign language and literature teachers, postsecondary	25-1124	Line item	35.0	39.1	4.1		3.7			1.4	1.4	2.8	3.
History teachers, postsecondary	25-1125	Line item	26.9	29.7	2.8		3.7			1.0	1.1	2.1	2.
Philosophy and religion teachers, postsecondary	25-1126	Line item	31.8	35.7	3.9		3.7			1.2	1.3	2.5	2.
Miscellaneous postsecondary teachers	25-1120	Summary	557.0	596.0	39.0		3.7			21.1	22.0	43.1	47.
Graduate teaching assistants	25-1190	Line item	168.3	181.2	12.9		3.7			6.4	6.7	13.1	14.
Home economics teachers, postsecondary	25-1191	Line item	3.5	3.8	0.3		3.7			0.1	0.1	0.3	0.
Recreation and fitness studies teachers, postsecondary	25-1192	Line item	20.6	22.6						0.1	0.1	1.6	
71 7													
Vocational education teachers, postsecondary	25-1194	Line item	128.0	129.7	1.7					4.7	4.9	9.6	9.
Postsecondary teachers, all other	25-1199	Line item	236.5	258.7	22.2		3.7			9.1	9.4	18.5	20.
teachers	25-2000	Summary	4,264.8	4,598.6	333.8		3.4			150.4	175.0	325.4	358.
Preschool and kindergarten teachers	25-2010	Summary	633.0	695.3	62.3		4.3			28.6	35.5	64.1	70.
Preschool teachers, except special education	25-2011	Line item	478.5	528.6			4.3			21.7	26.9	48.6	53.
Kindergarten teachers, except special education	25-2012	Line item	154.4	166.7	12.2		4.3			6.9	8.6	15.5	16.
Elementary and middle school teachers	25-2020	Summary	2,053.9	2,206.2	152.3		3.3			70.3	78.9	149.1	164.
Elementary school teachers, except special education	25-2021	Line item	1,410.9	1,514.9			3.3			48.3	54.2	102.4	112.
career/technical education		Line item	630.3	677.7	47.3					21.6	24.2	45.8	50.
	25-2022												
Career/technical education teachers, middle school	25-2023	Line item	12.7	13.6	0.9		3.3			0.4	0.5	0.9	1.
	25-2023 25-2030		12.7 1,097.4	1,179.2	81.8	7.5	3.1	3.7	6.8	0.4 34.9	0.5 42.5	77.3	85.
Career/technical education teachers, middle school	25-2023	Line item				7.5		3.7	6.8				
Career/technical education teachers, middle school Secondary school teachers	25-2023 25-2030	Line item Summary	1,097.4	1,179.2	81.8	7.5 7.5	3.1	3.7 3.7	6.8	34.9	42.5	77.3	85.

Special discontine standards represented 27-2019 Pile from 1923 32-3 33 112 33 34 7 10 11 27		105 0054	In the second		00.5									
Special desication issertions, middle school. 25-2038. Line item. 19-3 16-7 1-3 3 3-6 7 3-3 3-6 6-6														
Special decident in Sachemy, and other 25-2054 Line Item 131-9 161-8 97 7-4 3.3 3.0 7 4.5 5.6 5.5														
Special education teachers, at other	,													
Content Cont														
Annie Contract C	,													
Self-enrichment education teachers														
Teachers and instructions, and ordering and instructions, and ordering and instructions, and archives (24-00) Summary 264-293.9 (25, 9.5, 0.2, 4.6, 10.7) (7.4, 12.0, 30.0) Archives, curatives, and museum technicians (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.4, 11.0, 33.0 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 10.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 134-4, 42, 68, 69, 71.0, 71.2 (24-01) Summary 310, 38-1, 42, 42, 42, 42, 42, 42, 42, 42, 42, 42														
Library exclusions, and museum technicians 23-6000 Summary 268.8 283.9 25.5 95 6.2 4.6 10.7 17.4 12.6 3.0 Archvista Archvista 25-6011 Line Item 8.8 7.8 10.1 13.4 4.2 5.8 9.8 1.4 19.1 3.3 Archvista 25-6012 Line Item 8.8 7.8 10.1 12.4 4.2 5.8 9.9 1.4 19.1 3.3 Archvista 25-6013 Line Item 8.8 7.8 10.1 12.4 4.2 5.8 9.9 1.0 4.0 7.1 Cuations 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6021 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 Arabovisus and multimedia colorious specialists 25-6011 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6020 Summary 1,805.7 1.74.3 1.0 8.7 4.8 4.1 8.8 0.0 0.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 Library exclusions 25-6031 Line Item 1.0														
Archystals, curations, and museum technicians	·													121.3
Activistes	Librarians, curators, and archivists		Summary								17.4			
Museum techniciams and conservators 22-4012 Line term 11.8 13.3 1.5 12.4 4.2 5.8 9.9 0.8 0.8 1.3														
Museum technicians and conservators	Archivists	25-4011	Line item	6.8	7.8		14.3			9.9	0.3	0.4	0.7	
Librarians	Curators	25-4012	Line item	12.4	14.1	1.7	14.0	4.2	5.8	9.9	0.5	0.8	1.3	1.
Charter function	Museum technicians and conservators	25-4013	Line item	11.8	13.3	1.5	12.4	4.2	5.8	9.9	0.5	0.7	1.2	
Other exbussions Anniery Coccupations 25-9001 Unit Rem 11.3 11.2 10.8 7.3 4.8 4.1 8.8 0.6 0.5 1.0	Librarians	25-4021	Line item	138.2	150.6	12.4	8.9	5.5	3.7	9.2	7.9	5.4	13.3	14.
Author-visual and multimedia collections specialists 25-9011 Une ferm 11-3 12-3 1.0 8.7 4.8 4.1 8.8 0.6 0.6 1.0	Library technicians	25-4031	Line item	99.2	108.2	9.0	9.1	7.9	5.1	13	8.2	5.3	13.5	14.4
Farm and home management advisors 25-9021 Line Item 10.4 11.2 0.8 7.3 4.8 4.1 8.8 0.5 0.4 1.0 Instruction coordinators 25-9031 Line Item 163.2 17.97 16.8 1.0 4.8 4.1 8.8 4.1 7.0 15.2 Teacher assistants 25-9041 Line Item 15.0 17.97 16.8 1.0 4.8 4.1 8.8 4.1 7.0 15.2 Teacher assistants 25-9041 Line Item 1.0 17.97 16.8 1.0 4.8 4.1 8.8 5.6 4.9 10.5 17.0	Other education, training, and library occupations	25-9000	Summary	1,605.7	1,745.3	139.6	8.7	5.4	4.5	9.8	89.7	75.0	164.6	178.0
Instructional coordinators	Audio-visual and multimedia collections specialists	25-9011	Line item	11.3	12.3	1.0	8.7	4.8	4.1	8.8	0.6	0.5	1.0	1.1
Instructional coordinators	Farm and home management advisors	25-9021	Line item	10.4	11.2	0.8	7.3	4.8	4.1	8.8	0.5	0.4	1.0	1.0
Teacher assistants Educatin, training, and library workers, all other 25-9041 Line Item 1127 1245 118 105 4.8 4.1 4.8 5.5 4.9 10.5		25-9031	Line item	163.2	179.7	16.5	10.1	4.8	4.1	8.8	8.1	7.0	15.2	
Arts design, entertainment, sports, and media occupations 27:000 Summary 837, 8748, 81, 14, 49, 39, 49, 88, 83, 22, 42, 47, 47, 47, 48, 49, 49, 49, 49, 49, 49, 49, 49, 49, 49	Teacher assistants	25-9041	Line item	1,308.1	1,417.6	109.5	8.4	5.5	4.6	10.1	74.8	62.2	137.0	147.
Arts design, entertainment, sports, and media occupations 27:000 Summary 837, 8748, 81, 14, 49, 39, 49, 88, 83, 22, 42, 47, 47, 47, 48, 49, 49, 49, 49, 49, 49, 49, 49, 49, 49														
Art and design workers			_	2.772.9	2.946.5	173.6	6.3	4.1			116.0	156.3	272.4	289.
Artists and related workers														79.:
Art directors														
Craft artists														
Fine artists, including painters, sculptors, and illustrators 27-1013 Line Item 88.0 30.4 2.4 8.6 4.9 2.9 7.8 1.4 0.9 2.3 Multimedia artists and animators 27-1019 Line Item 12.8 13.7 7.7 10.4 4.9 2.9 7.8 0.6 0.4 1.0 Artists and related workers, all other 27-1019 Line Item 12.8 13.7 0.9 6.9 4.9 2.9 7.8 0.6 0.4 1.0 Designers 27-1020 Summary 616.3 630. 22.7 3.7 3.5 5.6 9.2 22.2 35.3 57.5 Commercial and industrial designers 27-1021 Line Item 39.7 41.6 2.0 5.0 3.5 5.6 9.2 22.1 35.3 57.5 Fashion designers 27-1022 Line Item 39.7 41.6 2.0 5.0 3.5 5.6 9.2 1.4 2.3 3.7 Fashion designers 27-1022 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1023 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1024 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1025 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1024 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1025 Line Item 55.0 51.7 3.2 5.5 Fashion designers 27-1025 Line Item 66.5 59.8 3.3 5.5 6.6 9.2 1.9 3.0 4.9 Fashion designers 27-1025 Line Item 66.5 59.8 3.3 4.9 3.5 5.6 9.2 2.4 3.8 6.2 Fashion designers 27-1025 Line Item 66.5 59.8 3.3 4.9 3.5 5.6 9.2 2.4 3.8 6.2 Fashion designers 27-1025 Line Item 66.5 59.8 3.3 4.9 3.5 5.6 9.2 2.4 3.8 6.2 Fashion designers 27-1025 Line Item 14.6 16.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0														
Multimedia antists and animators														
Arists and related workers, all other 27-1019 Line item 12.8 13.7 0.9 6.9 4.9 2.9 7.8 0.6 0.4 1.0 Designers 27-1020 Summary 816.3 639.0 22.7 3.7 3.5 5.6 9.2 22.2 35.3 57.5 Commercial and industrial designers 27-1021 Line item 39.7 41.6 2.0 5.0 3.5 5.6 9.2 1.4 2.3 3.7 Each of the state of th		_	_											
Designers														
Commercial and industrial designers 27-1021 Line item 39.7 41.6 2.0 5.0 3.5 5.6 9.2 1.9 1.4 2.3 3.7	,													
Fashion designers	<u> </u>													
Floral designers 27-1024 Line item 55.0 51.7 3.2 5.9 3.5 5.6 9.2 1.9 3.0 4.9	•													
Graphic designers	<u> </u>													4.0
Interior designers		1												
Merchandise displayers and window trimmers														
Set and exhibit designers 27-1027 Line item 14.6 16.2 1.6 10.9 3.5 5.6 9.2 0.5 0.9 1.4														
Designers, all other C7-1029 Line item 9.0 9.5 0.6 6.4 3.5 5.6 9.2 0.3 0.5 0.8														
Entertainers and performers, sports and related workers 27-2000 Summary 801.9 882.0 80.1 10.0 5.0 5.9 10.9 42.4 49.4 91.9 Actors, producers, and directors 27-2010 Summary 198.5 222.1 23.6 11.9 3.2 5.8 9 6.8 12.2 19.0 Actors 27-2011 Line item 63.8 71.3 7.5 11.7 4.8 5.0 9.8 3.2 3.4 6.6 Producers and directors 27-2012 Line item 134.7 150.8 16.1 12.0 2.5 6.2 8.7 3.6 8.8 12.4 Athletes, coaches, umpires, and related workers 27-2020 Summary 309.0 346.6 37.5 12.1 5.6 7.5 13.1 18.3 24.7 43.0 Athletes and sports competitors 27-2021 Line item 11.8 12.7 0.8 7.2 5.6 7.5 13.1 0.7 0.9 1.6 Coaches and scouts 27-2022 Line item 276.1 311.2 35.1 12.7 5.6 7.5 13.1 16.4 22.1 38.5 Umpires, referees, and other sports officials 27-2023 Line item 27.1 22.7 1.6 7.4 5.6 7.5 13.1 16.4 22.1 38.5 Dancers and choreographers 27-203 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2031 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2032 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Musicians, singers, and related workers 27-2041 Line item 44.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Musicians and singers 27-2032 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Musicians and singers 27-2042 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Musicians and singers 27-2042 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Musicians and singers 27-2042 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Musicians and singers 27-2042 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 10.2 6.6 16.8 0ther 27-2099 Line item 26.7 28.9 2.1 8.0 4.7 5.9 10.6 1.3 1.6 2.9 Media and communication workers 27-3000 Summary 74.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Announcers 27-3010 Summary 74.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Announcers 27-3010 Summary 74.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Announcers 27-3010 Summary 74.8 820.1 45.6 -4.8 -9.6 3.1 6.6 9.7 1.5 3.2 4.7 Broadcast news analysts 27-3021 Line item 5.7 5.6 0.1 0.1 0.3 1.6 6.9 9.7 0.2 0.4 0.5 Broadcast news analysts 27-3021 Li														
Actors, producers, and directors 27:2010 Summary 198.5 22.2.1 23.6 11.9 3.2 5.8 9 6.8 12.2 19.0 Actors 27:2011 Line item 63.8 71.3 7.5 11.7 4.8 5.0 9.8 3.2 3.4 6.6 Producers and directors 27:2012 Line item 134.7 150.8 16.1 12.0 2.5 6.2 8.7 3.6 8.8 12.4 Athletes, coaches, umpires, and related workers 27:2020 Summary 30.90 346.6 37.5 12.1 5.6 7.5 13.1 18.3 24.7 43.0 Exhibites and sports competitors 27:2021 Line item 11.8 12.7 0.8 7.2 5.6 7.5 13.1 18.3 24.7 43.0 Exhibites and sports competitors 27:2021 Line item 276.1 311.2 35.1 12.7 5.6 7.5 13.1 0.7 0.9 1.6 Exhibites and scouts 27:2022 Line item 276.1 311.2 35.1 12.7 5.6 7.5 13.1 1.0 0.7 0.9 1.6 Exhibites and scouts 27:2023 Line item 276.1 311.2 35.1 12.7 5.6 7.5 13.1 1.0 0.7 0.9 1.6 Exhibites and choreographers 27:2023 Line item 27.1 22.7 1.6 7.4 5.6 7.5 13.1 1.2 1.7 2.9 Exhibites and choreographers 27:2031 Line item 21.1 22.7 1.6 7.4 5.6 7.5 13.1 1.2 1.7 2.9 Exhibites and choreographers 27:2031 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Exhibites and choreographers 27:2032 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Exhibites and choreographers 27:2032 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Exhibites and singers and related workers 27:2040 Summary 24.7 263.2 15.9 6.4 5.8 3.7 9.5 14.7 9.5 24.1 Music directors and composers 27:2041 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Exhibites and singers 27:2042 Line item 172.4 183.8 11.3 6.6 5.8 3.7 9.5 10.2 6.6 16.8 Exhibites and communication workers 27:3010 Summary 774.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Exhibites and communication workers 27:3010 Summary 774.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Exhibites analysts exporters and correspondents 27:3012 Line item 11.4 11.8 0.4 3.2 4.3 5.2 9.5 0.5 0.5 0.6 1.1 Exhibites 27:3020 Summary 774.8 820.1 45.6 -4.8 -9.6 3.1 6.6 9.7 0.5 0.9 0.0 0.5 Exhibites 27:3021 Line item 11.4 11.8 0.4 3.2 4.3 5.2 9.5 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5														
Actors 27-2011 Line item 63.8 71.3 7.5 11.7 4.8 5.0 9.8 3.2 3.4 6.6 Producers and directors 27-2012 Line item 134.7 150.8 16.1 12.0 2.5 6.2 8.7 3.6 8.8 12.4 Athletes, coaches, umpires, and related workers 27-2020 Summary 30.9.0 34.6. 37.5 12.1 5.6 7.5 13.1 18.3 24.7 43.0 Athletes and sports competitors 27-2021 Line item 11.8 12.7 0.8 7.2 5.6 7.5 13.1 0.7 0.9 1.6 Coaches and scouts 27-2022 Line item 27.6.1 311.2 35.1 12.7 5.6 7.5 13.1 16.4 22.1 38.5 Umpires, referees, and other sports officials 27-2022 Line item 27.1 22.7 1.6 7.4 5.6 7.5 13.1 16.4 22.1 38.5 Umpires, referees, and other sports officials 27-2030 Summary 20.4 21.3 0.9 4.4 6.2 7.0 13.2 1.3 1.5 2.8 Dancers and choreographers 27-2030 Summary 20.4 21.3 0.9 4.4 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2031 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2032 Line item 6.9 7.1 0.2 3.2 6.2 7.0 13.2 0.9 1.0 1.8 Umpires, referees, and related workers 27-2040 Summary 247.3 263.2 15.9 6.4 5.8 3.7 9.5 14.7 9.5 24.1 Music directors and composers 27-2041 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Music directors and composers 27-2042 Line item 172.4 183.8 11.3 6.6 5.8 3.7 9.5 10.2 6.6 16.8 other 27-2099 Line item 26.7 28.9 2.1 8.0 4.7 5.9 10.6 1.3 1.6 2.9 Media and communication workers 27-3000 Summary 774.8 820.1 45.3 5.8 3.5 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Summary 52.7 48.5 4.1 7.8 4.3 5.2 9.5 0.5 0.6 1.1 News analysts, reporters and other announcers 27-3011 Line item 41.3 36.8 4.5 -10.9 4.3 5.2 9.5 0.5 0.6 1.1 News analysts, reporters and other announcers 27-3021 Line item 5.7 5.6 -0.1 1.0 3.1 6.6 9.7 1.5 3.2 4.7 Broadcast news analysts 27-3021 Line item 5.7 5.6 -0.1 1.0 3.1 6.6 9.7 0.2 0.4 0.5														
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Athletes and sports competitors 27-2021 Line item 11.8 12.7 0.8 7.2 5.6 7.5 13.1 0.7 0.9 1.6 Coaches and scouts 27-2022 Line item 276.1 311.2 35.1 12.7 5.6 7.5 13.1 16.4 22.1 38.5 Umpires, referees, and other sports officials 27-2023 Line item 21.1 22.7 1.6 7.4 5.6 7.5 13.1 16.4 22.1 38.5 Umpires, referees, and choreographers 27-2030 Summary 20.4 21.3 0.9 4.4 6.2 7.0 13.2 1.3 1.5 2.8 Dancers and choreographers 27-2031 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 1.3 1.5 2.8 Choreographers 27-2031 Line item 13.5 14.1 0.7 5.0 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2032 Line item 6.9 7.1 0.2 3.2 6.2 7.0 13.2 0.9 1.0 1.8 Choreographers 27-2040 Summary 247.3 263.2 15.9 6.4 5.8 3.7 9.5 14.7 9.5 24.1 Music directors and composers 27-2041 Line item 74.8 79.4 4.6 6.1 5.8 3.7 9.5 14.7 9.5 24.1 Line item 172.4 183.8 11.3 6.6 5.8 3.7 9.5 10.2 6.6 16.8 other 27-2099 Line item 26.7 28.9 2.1 8.0 4.7 5.9 10.6 1.3 1.6 2.9 Media and communication workers 27-3000 Summary 774.8 820.1 45.3 5.8 3.5 5.8 9.3 28.0 46.1 74.0 Announcers 27-3010 Summary 52.7 48.5 4.1 7.8 4.3 5.2 9.5 2.2 2.6 4.8 Radio and television announcers 27-3011 Line item 41.3 36.8 4.5 10.9 4.3 5.2 9.5 2.2 2.6 4.8 Radio and television announcers 27-3011 Line item 41.3 36.8 4.5 10.9 4.3 5.2 9.5 0.5 0.6 1.1 News analysts, reporters and correspondents 27-3020 Summary 50.4 45.6 4.8 9.6 3.1 6.6 9.7 0.2 0.4 0.5 Broadcast news analysts 27-3021 Line item 5.7 5.6 0.0 1 -1.0 3.1 6.6 9.7 0.2 0.4 0.5														
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News analysts, reporters and correspondents 27-3020 Summary 50.4 45.6 -4.8 -9.6 3.1 6.6 9.7 1.5 3.2 4.7 Broadcast news analysts 27-3021 Line item 5.7 5.6 -0.1 -1.0 3.1 6.6 9.7 0.2 0.4 0.5		_	_											
Broadcast news analysts 27-3021 Line item 5.7 5.6 -0.1 -1.0 3.1 6.6 9.7 0.2 0.4 0.5	,	_	Line item											
			Summary											
Departure and correspondents 27,2022 Line item 44.7 40.0 4.0 40.7 2.4 6.6 0.7 4.2 2.9 4.4	Broadcast news analysts	27-3021	Line item								0.2			0.
	Reporters and correspondents	27-3022	Line item	44.7	40.0	-4.8	-10.7	3.1	6.6		1.3	2.8		
Public relations specialists 27-3031 Line item 259.6 283.0 23.3 9.0 2.8 6.8 9.6 7.6 18.4 26.0	Public relations specialists	27-3031	Line item	259.6	283.0	23.3					7.6	18.4		
Writers and editors 27-3040 Summary 311.0 327.6 16.6 5.3 3.7 5.4 9.1 11.8 17.2 29.0	Writers and editors	27-3040	Summary	311.0	327.6	16.6	5.3	3.7	5.4	9.1	11.8	17.2	29.0	30.
Editors 27-3041 Line item 127.4 127.3 -0.1 -0.1 3.3 6.3 9.6 4.2 8.1 12.3	Editors	27-3041	Line item	127.4	127.3	-0.1	-0.1	3.3	6.3	9.6	4.2	8.1	12.3	

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Technical writers	27-3042	Line item	52.4	58.1	5.7	10.9	3.2	6.0	9.2		3.3		
Writers and authors	27-3043	Line item	131.2	142.2	11.0	8.3	4.3	4.3	8.5		5.8		
Miscellaneous media and communication workers	27-3090	Summary	101.1	115.4	14.3	14.1	4.5	4.3	8.9		4.7		
Interpreters and translators	27-3091	Line item	68.2	79.6	11.4	16.7	4.5	4.3	8.9		3.2		
Media and communication workers, all other	27-3099	Line item	32.9	35.8	2.9	8.7		4.3	8.9		1.5		
Media and communication equipment workers	27-4000	Summary	362.5	369.6	7.1	2.0		5.2	8.6		18.9		
operators	27-4010	Summary	135.3	146.0	10.7	7.9		6.2	9		8.7		
Audio and video equipment technicians	27-4011	Line item	83.3	94.0	10.7	12.9		6.2	9		5.5		
Broadcast technicians	27-4012	Line item	34.0	32.9	-1.1	-3.2	2.8	6.2	9		2.1		
Radio operators	27-4013	Line item	0.9	0.9	0.0	-1.0		6.2	9		0.1	0.1	
Sound engineering technicians	27-4014	Line item	17.0	18.1	1.1	6.3	2.8	6.2	9		1.1		
Photographers	27-4021	Line item	147.3	134.9	-12.4	-8.4	4.3	3.5	7.8		4.9		
editors	27-4030	Summary	59.3	66.5	7.2	12.1	2.9	6.3	9.3		4.0		
Camera operators, television, video, and motion picture	27-4031	Line item	25.1	26.7	1.6	6.4	2.9	6.3	9.3		1.6		
Film and video editors	27-4032	Line item	34.2	39.8	5.6	16.3	2.9	6.3	9.3	1.1	2.3	3.4	
Media and communication equipment workers, all other	27-4099	Line item	20.6	22.2	1.6	7.9		6.2	9		1.3	1.9	
Healthcare practitioners and technical occupations	29-0000	Summary	8,751.5	10,082.4	1,330.9	15.2	2.7	2.6	5.2	249.6	241.6		
Health diagnosing and treating practitioners	29-1000	Summary	5,485.4	6,376.7	891.3	16.2	2.4	2.1	4.5		122.0	266.2	355.
Chiropractors	29-1011	Line item	47.4	52.4	5.0	10.5	1.7	0.8	2.5	0.8	0.4	1.2	
Dentists	29-1020	Summary	153.5	179.9	26.4	17.2	1.9	0.7	2.6		1.2		
Dentists, general	29-1021	Line item	132.8	156.0	23.2	17.5	1.9	0.7	2.6		1.1	3.8	6.
Oral and maxillofacial surgeons	29-1022	Line item	6.8	7.9	1.2	17.2	1.9	0.7	2.6	0.1	0.1	0.2	
Orthodontists	29-1023	Line item	6.6	7.7	1.1	17.3	1.9	0.7	2.6		0.1	0.2	
Prosthodontists	29-1024	Line item	0.9	1.1	0.2	17.2	1.9	0.7	2.6		0.0	0.0	
Dentists, all other specialists	29-1029	Line item	6.4	7.2	0.8	12.0	1.9	0.7	2.6	0.1	0.1	0.2	
Dietitians and nutritionists	29-1031	Line item	68.0	77.6	9.6	14.1	3.1	2.9	6		2.1	4.4	
Optometrists	29-1041	Line item	40.2	47.1	7.0	17.3	1.7	1.3	3	0.7	0.6		
Pharmacists	29-1051	Line item	312.5	330.1	17.6	5.6		1.9	4.2		6.2		
Physicians and surgeons	29-1060	Summary	713.8	820.3	106.5	14.9		1.1	2.6		8.5		
Anesthesiologists	29-1061	Line item	33.0	38.9	5.9	17.8		1.1	2.6		0.4		
Family and general practitioners	29-1062	Line item	134.8	157.1	22.2	16.5		1.1	2.6		1.6		
Internists, general	29-1063	Line item	49.8	58.2	8.4	16.9		1.1	2.6		0.6		
Obstetricians and gynecologists	29-1064	Line item	21.7	25.5	3.9	17.9		1.1	2.6		0.3		1.
Pediatricians, general	29-1065	Line item	29.6	34.8	5.3	17.8	1.5	1.1	2.6		0.4		
Psychiatrists	29-1066	Line item	27.5	31.2	3.6	13.1	1.5	1.1	2.6		0.3	0.8	
Surgeons	29-1067	Line item	45.0	52.6	7.6	16.8	1.5	1.1	2.6		0.5		
Physicians and surgeons, all other	29-1069	Line item	372.4	422.0	49.6	13.3	1.5	1.1	2.6		4.4		
Physician assistants	29-1071	Line item	106.2	145.9	39.7	37.4	1.7	3.5	5.3		4.5		
Podiatrists	29-1081	Line item	11.0	12.1	1.1	9.7	2.2	2.7	5.5		0.3		
Therapists	29-1120	Summary	723.0	876.7	153.7	21.3	2.1	2.5	4.6		20.0		
Occupational therapists	29-1122	Line item	130.4	158.0	27.7	21.2	2.1	2.8	4.8		4.0		
Physical therapists	29-1123	Line item	239.8	299.8	60.0	25.0	1.9	2.1	4.0		5.6		
Radiation therapists	29-1124	Line item	19.1	21.3	2.3	11.9		2.1	4.6		0.4		
Recreational therapists	29-1125	Line item	19.1	20.5	1.3	6.5	2.9	2.6	5.5		0.5		
Respiratory therapists	29-1126	Line item	130.2	160.6	30.4	23.4	2.4	2.3	4.6		3.3		
	29-1127	Line item	145.1	170.5	25.4	17.5		3.1	4.9		4.9		
Speech-language pathologists Exercise physiologists	29-1127	Line item	15.1	170.5	25.4	12.9		2.9	5.3		0.5		
Therapists, all other	29-1128	Line item	24.1	28.9	4.8	19.7	2.4	2.9	5.3		0.5		
•	29-1129		79.6	94.0	14.4	18.1	1.9	1.6	3.5		1.4		
Veterinarians Registered nurses	29-1131	Line item Line item	2,955.2	3,392.2		14.8			3.5 5		69.0		
0	29-1141	_	2,955.2 41.8		437.0 6.7	16.0			4.7		1.5		
Nurse anesthetists	29-1151	Line item	6.5	48.5 7.8	1.3	20.6					0.2		
Nurse practitioners		Line item	155.5	7.8 211.5	1.3 56.0	36.0		2.9	4.8		5.3		
Nurse practitioners	29-1171 29-1181	Line item		17.8		20.4							
Audiologists		Line item	14.8		3.0		2.5		4.4		0.3		
Health diagnosing and treating practitioners, all other	29-1199	Line item	56.4	62.9	6.4	11.4	4.0		5		0.6		
Health technologists and technicians	29-2000	Summary	3,093.5	3,513.1	419.6	13.6		3.5			114.6		
Clinical laboratory technologists and technicians	29-2010	Summary	335.7	378.3	42.7	12.7	3.0		6.1		10.8		
Medical and clinical laboratory technologists	29-2011	Line item	171.4	191.2	19.7	11.5			6.1		5.5		
Medical and clinical laboratory technicians	29-2012	Line item	164.2	187.2	22.9	14.0			6.1		5.3		
Dental hygienists	29-2021	Line item	207.9	248.8	40.9	19.6		2.2	5.9		5.1		
Diagnostic related technologists and technicians	29-2030	Summary	384.1	437.3	53.1	13.8			5.1		10.2		
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Cardiovascular technologists and technicians	29-2031	Line item	55.0	60.5	5.4	9.9			5.1		1.4		
Diagnostic medical sonographers Nuclear medicine technologists	29-2031 29-2032 29-2033	Line item Line item Line item	55.0 67.3 20.1	60.5 82.9 22.0	5.4 15.6 2.0	9.9 23.2 9.8	2.6	2.5	5.1	1.9	1.9	3.8	5.

Radiologic technologists	29-2034	Line item	205.2	230.4	25.2	12.3	2.6	2.5	5.1	5.6	5.4	11.1	13.6
Magnetic resonance imaging technologists	29-2035	Line item	36.6	41.5	5.0	13.6	2.6	2.5	5.1	1.0	1.0	2.0	2.5
Emergency medical technicians and paramedics	29-2041	Line item	248.0	285.4	37.4		1.7			4.6	11.0	15.6	19.3
Health practitioner support technologists and technicians	29-2050	Summary	767.0	857.1	90.1		3.2			26.4	36.0	62.4	71.4
Dietetic technicians	29-2051	Line item	33.4	36.5	3.1		3.2			1.1	1.5	2.7	3.0
Pharmacy technicians	29-2052	Line item	402.5	450.1	47.6		3.2			13.8	18.9	32.7	37.5
,		_			3.9		3.2			2.2		5.2	
Psychiatric technicians	29-2053	Line item	66.1	70.0							3.0		5.6
Respiratory therapy technicians	29-2054	Line item	10.8	4.7	-6.1		3.2			0.3	0.3	0.6	0.0
Surgical technologists	29-2055	Line item	107.7	120.3	12.6		3.2			3.7	5.1	8.8	10.0
Veterinary technologists and technicians	29-2056	Line item	102.0	122.4	20.4		3.2			3.6	5.0	8.6	10.7
Ophthalmic medical technicians	29-2057	Line item	44.5	53.2	8.7		3.2			1.6	2.2	3.8	4.6
Licensed practical and licensed vocational nurses	29-2061	Line item	724.5	813.1	88.6	12.2	3.5	3.5	7	27.1	26.7	53.8	62.7
Medical records and health information technicians	29-2071	Line item	206.3	234.1	27.8	13.5	2.9	3.0	5.9	6.5	6.6	13.0	15.8
Opticians, dispensing	29-2081	Line item	77.6	88.9	11.3	14.5	3.3	3.7	7	2.8	3.1	5.8	7.0
Miscellaneous health technologists and technicians	29-2090	Summary	142.4	170.2	27.8		2.8			4.3	5.2	9.5	12.3
Orthotists and prosthetists	29-2091	Line item	7.8	9.5	1.7		2.8			0.2	0.3	0.5	0.7
Hearing aid specialists	29-2092	Line item	6.8	8.2			2.8			0.2	0.2	0.5	0.6
Health technologists and technicians, all other	29-2092	Line item	127.8	152.5	24.8		2.8			3.9	4.6	8.5	11.0
Other healthcare practitioners and technical occupations	29-9000	Summary	172.6	192.6	20.0		2.2				5.0	9.1	11.0
Occupational health and safety specialists and technicians	29-9010	Summary	101.8	109.9	8.1		2.2				2.9	5.2	6.1
Occupational health and safety specialists	29-9011	Line item	83.7	90.1	6.4		2.2				2.4	4.3	4.9
Occupational health and safety technicians	29-9012	Line item	18.1	19.8	1.7		2.2			0.4	0.5	0.9	1.1
Miscellaneous health practitioners and technical workers	29-9090	Summary	70.8	82.7	11.9		2.2				2.1	3.8	5.0
Athletic trainers	29-9091	Line item	27.8	34.0	6.2		2.2			0.7	0.8	1.5	2.2
Genetic counselors	29-9092	Line item	3.1	3.9	0.9	28.3	2.2	2.7	5	0.1	0.1	0.2	0.3
Healthcare practitioners and technical workers, all other	29-9099	Line item	40.0	44.8	4.8	12.1	2.2	2.7	5	0.9	1.2	2.1	2.6
Healthcare support occupations	31-0000	Summary	4,315.6	5,315.5	999.9		5.7			272.4	262.9	535.4	635.4
Nursing, psychiatric, and home health aides	31-1000	Summary	2,549.4	3,147.2	597.8		6.1			173.0	144.0	317.0	376.8
Home health aides	31-1011	Line item	911.5	1,337.0	425.6		6.1			68.3	56.8	125.1	167.7
Psychiatric aides	31-1011	Line item	73.6	77.4	3.9		6.1			4.6	3.8	8.4	8.8
				1,674.4	164.0		6.1			96.7		177.2	193.6
Nursing assistants	31-1014	Line item	1,510.3								80.5		
Orderlies	31-1015	Line item	54.0	58.4	4.4		6.1			3.4	2.8	6.3	6.7
aides	31-2000	Summary	187.1	242.6	55.5		4.5			9.8	15.7	25.5	31.0
Occupational therapy assistants and aides	31-2010	Summary	46.8	60.0	13.2		5.0			2.7	3.8	6.5	7.8
Occupational therapy assistants	31-2011	Line item	39.3	50.7	11.4		5.0			2.3	3.2	5.5	6.6
Occupational therapy aides	31-2012	Line item	7.5	9.3	1.8	24.7	5.0	7.2	12.2	0.4	0.6	1.0	1.2
Physical therapist assistants and aides	31-2020	Summary	140.3	182.6	42.3	30.1	4.4	7.4	11.8	7.1	11.9	19.0	23.2
Physical therapist assistants	31-2021	Line item	88.3	115.5	27.2	30.8	4.4	7.4	11.8	4.5	7.5	12.0	14.7
Physical therapist aides	31-2022	Line item	52.0	67.1	15.1	29.1	4.4	7.4	11.8	2.6	4.4	7.0	8.5
Other healthcare support occupations	31-9000	Summary	1,579.1	1,925.7	346.6		5.1			89.6	103.3	192.9	227.6
Massage therapists	31-9011	Line item	160.3	198.1	37.7		6.5			11.7	6.4	18.1	21.9
Miscellaneous healthcare support occupations	31-9090	Summary	1,418.8	1,727.6	308.8		5.0			77.9	96.8	174.8	205.6
Dental assistants	31-9091	Line item	332.0	396.6	64.6		5.1			18.6	20.9	39.4	45.9
	31-9091	Line item	634.4	819.0	184.6		4.4			31.9		76.5	95.0
Medical assistants	_										44.6		
Medical equipment preparers	31-9093	Line item	54.2	60.1	5.9		6.3			3.6	3.4	7.0	7.6
Medical transcriptionists	31-9094	Line item	57.4	55.4	-2.0		6.6			3.7	2.8	6.6	6.4
Pharmacy aides	31-9095	Line item	36.9	35.2	-1.8		6.7			2.4	2.4	4.8	4.7
Veterinary assistants and laboratory animal caretakers	31-9096	Line item	83.8	100.0	16.3		5.8			5.3	8.6	13.9	15.5
Phlebotomists	31-9097	Line item	122.7	152.6	30.0		4.3			5.9	7.9	13.9	16.9
Healthcare support workers, all other	31-9099	Line item	97.3	108.6	11.3	11.6	6.3	6.0	12.2	6.4	6.1	12.6	13.7
Protective service occupations	33-0000	Summary	3,505.6	3,663.8	158.2	4.5	5.1	5.6	10.6	181.8	199.6	381.4	397.2
Supervisors of protective service workers	33-1000	Summary	284.2	295.2	11.1		3.4	3.6	7.1	9.9	10.6	20.5	21.6
First-line supervisors of law enforcement workers	33-1010	Summary	149.9	153.3	3.4		2.9			4.4	4.8	9.2	9.5
First-line supervisors of correctional officers	33-1011	Line item	45.2	41.7	-3.5		3.1				1.5	2.8	2.5
First-line supervisors of police and detectives	33-1012	Line item	104.7	111.6			2.8				3.3	6.4	7.1
First-line supervisors of fire fighting and prevention workers		Line item	59.1	63.3	4.2		3.4				1.9	4.0	4.4
First-line supervisors of me fighting and prevention workers First-line supervisors of protective service workers, all other		Line item	75.2	78.6			4.6				3.8	7.4	7.7
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Fire fighting and prevention workers	33-2000	Summary	341.4	366.4	25.0		2.3				15.1	23.4	25.9
Firefighters	33-2011	Line item	327.3	351.0			2.2		6.5		14.4	22.0	24.3
Fire inspectors	33-2020	Summary	14.1	15.4	1.4		4.8				0.8	1.5	1.6
Fire inspectors and investigators	33-2021	Line item	12.3	13.2	0.9		4.8				0.7	1.3	1.4
Forest fire inspectors and prevention specialists	33-2022	Line item	1.7	2.2	0.5		4.8				0.1	0.2	0.2
Law enforcement workers	33-3000	Summary	1,285.0	1,300.1	15.2		2.9				52.5	89.5	91.0
Bailiffs, correctional officers, and jailers	33-3010	Summary	468.6	433.7	-34.9	-7.4	3.5	4.5	8	15.9	20.3	36.2	32.7
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Bailiffs	33-3011	Line item	18.6	18.2	-0.4	-2.1	3.5	4.5	8	0.6	0.8	1.5	
Correctional officers and jailers	33-3012	Line item	450.0	415.5	-34.5	-7.7		4.5	8		19.4	34.7	
Detectives and criminal investigators	33-3021	Line item	110.9	115.9	5.0	4.5		3.5		3.0			
Fish and game wardens	33-3031	Line item	7.0	7.3	0.3	4.3		3.5		0.4	0.2	0.6	
Parking enforcement workers	33-3041	Line item	9.4	6.1	-3.3	-35.3	5.4	3.5		0.4	0.3	0.7	
Police officers	33-3050	Summary	689.1	737.2	48.1	7.0		3.9		17.2	27.8	45.0	
Police and sheriff's patrol officers	33-3051	Line item	684.2	731.9	47.8	7.0		3.9	6.3	17.1	27.6	44.7	
Transit and railroad police	33-3052	Line item	4.9	5.3	0.3	6.3		3.9	6.3	0.1	0.2	0.3	
Other protective service workers	33-9000	Summary	1,595.0	1,702.0	107.0	6.7	7.7	7.4	15	126.5	121.4	247.9	258.6
Animal control workers	33-9011	Line item	13.4	14.6	1.1	8.4	4.6	5.9	10.5	0.6	0.8	1.5	1.6
Private detectives and investigators	33-9021	Line item	41.4	45.7	4.3	10.5	5.0	4.3	9.4	2.2	1.9	4.1	4.5
Security guards and gaming surveillance officers	33-9030	Summary	1,133.9	1,205.0	71.0	6.3	5.9	7.1	13	69.3	82.5	151.8	
Gaming surveillance officers and gaming investigators	33-9031	Line item	10.7	11.1	0.4	3.5	5.9	7.1	13	0.6	0.8	1.4	1.4
Security guards	33-9032	Line item	1,123.3	1,193.9	70.7	6.3	5.9	7.1	13	68.7	81.7	150.4	157.5
Miscellaneous protective service workers	33-9090	Summary	406.2	436.7	30.5	7.5		8.6	21.5	54.3	36.2	90.5	
Crossing guards	33-9091	Line item	74.3	80.6	6.3	8.5		3.9	17.9	10.8	3.0	13.9	
service workers	33-9092	Line item	152.1	163.7	11.7	7.7		10.6		21.9		38.5	
Transportation security screeners	33-9093	Line item	46.1	47.3	1.2	2.6		3.8		2.3	1.8		
Protective service workers, all other	33-9099	Line item	133.8	145.1	11.3	8.4	13.9	10.6		19.3	14.7	34.0	
Food preparation and serving related occupations	35-0000	Summary	13,206.1	14,438.3	1,232.2	9.3		9.4	17	1,042.8	1,303.9	2,346.7	2,469.9
Supervisors of food preparation and serving workers	35-1000	Summary	1,083.4	1,185.0	1,232.2	9.4	4.3	9.5	13.8	48.9	1,303.9	156.4	
Chefs and head cooks	35-1000	Line item	1,003.4	160.5	14.1	9.6		9.1	12.3	4.9	14.0	18.9	
workers	35-1011	Line item	936.9	1,024.4	87.5	9.8		9.5	14		93.6	137.5	
Cooks and food preparation workers	35-2000	Summary	3,274.1	3,490.4	216.3	6.6		8.2			276.7	494.1	515.8
Cooks and food preparation workers Cooks	35-2000	Summary	2,403.0	2,550.6	147.6	6.1	5.9	8.0		145.1	198.2	343.3	358.0
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Cooks, fast food	35-2011	Line item	517.6	490.5	-27.1	-5.2	5.9	8.0		29.5	40.3	69.9	
Cooks, institution and cafeteria	35-2012	Line item	424.8	457.4	32.6	7.7		8.0		25.8	35.3	61.1	
Cooks, private household	35-2013	Line item	25.0	26.4	1.4	5.7		8.0		1.5		3.6	
Cooks, restaurant	35-2014	Line item	1,231.9	1,377.2	145.3	11.8		8.0		76.4	104.4	180.8	
Cooks, short order	35-2015	Line item	185.9	179.7	-6.2	-3.3		8.0		10.7	14.6		
Cooks, all other	35-2019	Line item	17.8	19.4	1.6	9.0		8.0		1.1	1.5		
Food preparation workers	35-2021	Line item	871.1	939.8	68.7	7.9		8.7		72.4	78.5	150.9	
Food and beverage serving workers	35-3000	Summary	7,432.9	8,260.6	827.7	11.1	8.2	10.1	18.3	643.4	791.1	1,434.5	
Bartenders	35-3011	Line item	611.2	626.3	15.1	2.5		11.5		29.8	71.0	100.8	
Fast food and counter workers	35-3020	Summary	3,957.5	4,560.6	603.1	15.2		9.3	18.5	393.5	395.4	788.8	
including fast food	35-3021	Line item	3,452.2	4,032.1	579.9	16.8		9.3	18.1	331.4	346.6	678.0	
coffee shop	35-3022	Line item	505.2	528.4	23.2	4.6		9.4	21.5	62.1	48.8	110.9	
Waiters and waitresses	35-3031	Line item	2,600.5	2,783.0	182.5	7.0		11.3	18.7	199.2	305.3	504.5	
Food servers, nonrestaurant	35-3041	Line item	263.8	290.7	26.9	10.2	7.5	7.0	14.6	20.9	19.5	40.4	
Other food preparation and serving related workers	35-9000	Summary	1,415.7	1,502.3	86.6	6.1	9.1	8.8	17.9	133.1	128.6	261.7	270.3
Dining room and cafeteria attendants and bartender helpers	35-9011	Line item	431.2	461.7	30.5	7.1	8.9	7.9	16.8	39.7	35.4	75.1	
Dishwashers	35-9021	Line item	514.3	536.6	22.2	4.3	7.4	8.0	15.4	38.9	41.9	80.7	83.0
Hosts and hostesses, restaurant, lounge, and coffee shop	35-9031	Line item	409.2	437.5	28.3	6.9	11.5	10.9	22.5	48.8	46.3	95.1	97.9
Food preparation and serving related workers, all other	35-9099	Line item	60.9	66.5	5.6	9.3	8.9	7.9	16.8	5.7	5.0	10.7	11.3
Building and grounds cleaning and maintenance occupations	37-0000	Summary	5,654.1	6,147.3	493.2	8.7	6.1	6.3	12.4	360.1	374.1	734.2	783.5
maintenance workers	37-1000	Summary	421.8	459.8	38.0	9.0	4.3	6.0	10.3	18.9	26.6	45.5	49.3
First-line supervisors of housekeeping and janitorial workers	37-1011	Line item	243.5	264.4	20.9	8.6	5.1	6.0	11.1	12.8	15.3	28.2	30.3
groundskeeping workers	37-1012	Line item	178.3	195.4	17.1	9.6	3.2	6.0	9.3	6.0	11.3	17.3	19.0
Building cleaning and pest control workers	37-2000	Summary	3,923.0	4,244.8	321.8	8.2	6.8	6.1	12.9	277.0	249.2	526.2	558.3
Building cleaning workers	37-2010	Summary	3,844.0	4,159.5		8.2							
cleaners	37-2011	Line item	2,384.6	2,617.7	233.0	9.8		6.3				320.2	
Maids and housekeeping cleaners	37-2012	Line item	1,443.2	1,523.6	80.4	5.6		5.6			82.9	192.8	
Building cleaning workers, all other	37-2019	Line item	16.2	18.3	2.0	12.6		6.3			1.1		
Pest control workers	37-2021	Line item	78.9	85.2	6.3	8.0		9.5		3.2	7.8	11.0	
Grounds maintenance workers	37-3000	Summary	1,309.3	1,442.7	133.4	10.2					98.3	162.6	
Landscaping and groundskeeping workers	37-3000	Line item	1,197.9	1,321.2	123.3	10.2		7.1			90.0	148.8	
Pesticide handlers, sprayers, and applicators, vegetation	37-3011	Line item	38.0	40.7	2.7	7.0		7.1					
i conductionalistics, opinycio, and applicators, vedetation	101-0012	CILIC ILCIII	30.0					7.1			4.1	6.8	
		Line item	E1 E								. 41		1.4
Tree trimmers and pruners	37-3013	Line item	54.5	60.3	5.8	10.7		7.1	11.0				0.5
Tree trimmers and pruners Grounds maintenance workers, all other	37-3013 37-3019	Line item	18.9	20.5	1.6	8.5	4.7	7.1	11.8	0.9	1.4	2.3	2.5
Tree trimmers and pruners Grounds maintenance workers, all other Personal care and service occupations	37-3013 37-3019 39-0000	Line item Summary	18.9 6,419.7	20.5 7,589.0	1.6 1,169.2	8.5 18.2	4.7 7.5	7.1 7.0	11.8 14.5	0.9 527.1	1.4 487.3	2.3 1,014.4	2.5 1,131.3
Tree trimmers and pruners Grounds maintenance workers, all other Personal care and service occupations Supervisors of personal care and service workers	37-3013 37-3019 39-0000 39-1000	Line item Summary Summary	18.9 6,419.7 326.7	20.5 7,589.0 364.4	1.6 1,169.2 37.7	8.5 18.2 11.5	4.7 7.5 4.8	7.1 7.0 5.4	11.8 14.5 10.2	0.9 527.1 16.6	1.4 487.3 18.7	2.3 1,014.4 35.3	2.5 1,131.3 39.0
Tree trimmers and pruners Grounds maintenance workers, all other Personal care and service occupations Supervisors of personal care and service workers First-line supervisors of gaming workers	37-3013 37-3019 39-0000 39-1000 39-1010	Line item Summary Summary Summary	18.9 6,419.7 326.7 50.6	20.5 7,589.0 364.4 52.4	1.6 1,169.2 37.7 1.8	8.5 18.2 11.5 3.7	4.7 7.5 4.8 4.8	7.1 7.0 5.4 10.7	11.8 14.5 10.2 15.4	0.9 527.1 16.6 2.5	1.4 487.3 18.7 5.5	2.3 1,014.4 35.3 8.0	2.5 1,131.3 39.0 8.1
Tree trimmers and pruners Grounds maintenance workers, all other Personal care and service occupations Supervisors of personal care and service workers	37-3013 37-3019 39-0000 39-1000	Line item Summary Summary	18.9 6,419.7 326.7	20.5 7,589.0 364.4	1.6 1,169.2 37.7 1.8 1.3	8.5 18.2 11.5	4.7 7.5 4.8 4.8 4.8	7.1 7.0 5.4 10.7 10.7	11.8 14.5 10.2 15.4 15.4	0.9 527.1 16.6	1.4 487.3 18.7 5.5 4.2	2.3 1,014.4 35.3 8.0 6.1	2.5 1,131.3 39.0 8.1 6.2

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First-line supervisors of personal service workers	39-1021	Line item	276.1	312.0	35.9		4.8			14.1	13.2	27.3	30.9
Animal care and service workers	39-2000	Summary	296.4	355.1	58.7	19.8	6.5		14.2	21.1	25.2	46.3	52.2
Animal trainers	39-2011	Line item	54.9	60.7	5.9		4.8			2.8	3.6	6.4	7.0
Nonfarm animal caretakers	39-2021	Line item	241.5	294.4	52.8	21.9	6.8	8.1	14.9	18.3	21.6	39.9	45.2
Entertainment attendants and related workers	39-3000	Summary	584.3	625.9	41.6	7.1	10.1	11.1	21.2	61.0	67.2	128.1	132.3
Gaming services workers	39-3010	Summary	121.0	122.6	1.6	1.4	5.9	8.9	14.7	7.1	10.8	18.0	18.1
Gaming dealers	39-3011	Line item	96.9	98.0	1.1	1.1	5.9	8.9	14.7	5.7	8.7	14.4	14.5
Gaming and sports book writers and runners	39-3012	Line item	11.7	12.1	0.4	3.8	5.9	8.9	14.7	0.7	1.1	1.8	1.8
Gaming service workers, all other	39-3019	Line item	12.5	12.6	0.1	0.7	5.9	8.9	14.7	0.7	1.1	1.8	1.9
Motion picture projectionists	39-3021	Line item	5.8	5.2	-0.6	-9.9	4.5	8.3	12.8	0.2	0.5	0.7	0.6
Ushers, lobby attendants, and ticket takers	39-3031	Line item	117.7	126.4	8.8	7.5	13.1	11.2	24.3	16.0	13.6	29.6	30.5
Miscellaneous entertainment attendants and related worker	_	Summary	339.8	371.6	31.7		10.6	11.9		37.6	42.3	79.8	83.0
Amusement and recreation attendants	39-3091	Line item	300.0	327.8	27.8		10.6	11.9		33.1	37.3	70.5	73.2
Costume attendants	39-3092	Line item	6.6	7.3	0.6		10.6	11.9	22.4	0.7	0.8	1.6	1.6
Locker room, coatroom, and dressing room attendants	39-3093	Line item	18.6	20.2	1.6		10.6	11.9		2.1	2.3	4.4	4.5
Entertainment attendants and related workers, all other	39-3099	Line item	14.6	16.2	1.7		10.6	11.9		1.6	1.8	3.5	3.6
Funeral service workers	39-4000	Summary	68.5	70.8	2.3		7.2			5.0	4.6	9.6	9.9
Embalmers	39-4000	Line item	3.7	3.7	0.0		8.9		15.6		0.2	0.6	0.6
Funeral attendants	39-4011	Line item	36.1	37.0	1.0		8.9				2.3	5.5	5.6
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Morticians, undertakers, and funeral directors	39-4031	Line item	28.7	30.0	1.3 96.5		5.0			1.5	2.1	3.6	3.7 115.9
Personal appearance workers	39-5000	Summary	887.3	983.8			6.4	5.0		59.7	46.6	106.3	
Barbers, hairdressers, hairstylists and cosmetologists	39-5010	Summary	673.7	744.2	70.5		6.5			46.0	35.1	81.1	88.2
Barbers	39-5011	Line item	56.4	61.6	5.2		4.5			2.7	2.6	5.3	5.8
Hairdressers, hairstylists, and cosmetologists	39-5012	Line item	617.3	682.7	65.3		6.7			43.4	32.4	75.8	82.4
Miscellaneous personal appearance workers	39-5090	Summary	213.6	239.6	26.0		6.0			13.6	11.5	25.2	27.7
Makeup artists, theatrical and performance	39-5091	Line item	4.8	5.4	0.5		6.0		11.1	0.3	0.3	0.6	0.6
Manicurists and pedicurists	39-5092	Line item	126.3	141.4	15.2		6.0			8.0	6.8	14.9	16.4
Shampooers	39-5093	Line item	21.2	23.8	2.6	12.2	6.0			1.4	1.1	2.5	2.8
Skincare specialists	39-5094	Line item	61.3	69.0	7.7	12.6	6.0	5.1	11.1	3.9	3.3	7.2	8.0
Baggage porters, bellhops, and concierges	39-6000	Summary	77.6	85.0	7.4	9.5	4.8	8.8	13.6	3.9	7.1	11.0	11.8
Baggage porters and bellhops	39-6011	Line item	45.1	48.8	3.7	8.2	4.8	8.8	13.6	2.2	4.1	6.4	6.7
Concierges	39-6012	Line item	32.5	36.2	3.7	11.3	4.8	8.8	13.6	1.6	3.0	4.7	5.0
Tour and travel guides	39-7000	Summary	49.4	54.6	5.2	10.5	8.8	8.4	17.1	4.6	4.4	8.9	9.4
Tour guides and escorts	39-7011	Line item	45.8	50.8	5.0		8.8			4.2	4.0	8.3	8.8
Travel guides	39-7012	Line item	3.6	3.8	0.2		8.8		17.1	0.3	0.3	0.6	0.7
Other personal care and service workers	39-9000	Summary	4,129.5	5,049.4	919.9		7.7			355.4	313.5	668.8	760.8
Childcare workers	39-9011	Line item	1,216.6	1,298.7	82.1	6.7	8.2			102.7	77.9	180.5	188.8
Personal care aides	39-9021	Line item	2,016.1	2,770.1	754.0		8.0			191.0	143.9	334.9	410.3
Recreation and fitness workers	39-9030	Summary	689.1	751.7	62.6		6.5			47.1	72.1	119.2	125.5
Fitness trainers and aerobics instructors	39-9031	Line item	299.2	328.4	29.3		6.5			20.5	31.4	51.9	54.8
Recreation workers	39-9032	Line item	390.0	423.3	33.3		6.5	10.0	16.5	26.6	40.7	67.3	70.6
Residential advisors	39-9041	Line item	118.8	134.1	15.3		6.6			8.4	12.5	20.9	22.4
	_		88.9	94.9	6.0		6.7			6.1	7.1	13.3	13.9
Personal care and service workers, all other	39-9099	Line item											
Sales and related occupations	41-0000	Summary	15,747.8	16,255.2	507.4		5.8					2,158.0	2,208.7
Supervisors of sales workers	41-1000	Summary	1,937.6	2,040.9	103.3		3.6			71.9	129.0	200.9	211.3
First-line supervisors of retail sales workers	41-1011	Line item	1,532.4	1,609.7	77.3		3.7			58.0	105.7	163.7	171.4
First-line supervisors of non-retail sales workers	41-1012	Line item	405.2	431.2	26.0		3.3			13.9	23.3	37.2	39.8
Retail sales workers	41-2000	Summary	8,891.5	8,988.6	97.1	1.1	7.4	8.4		664.8	750.3	1,415.1	1,424.8
Cashiers	41-2010	Summary	3,578.9	3,550.1	-28.9		9.4	9.2			326.6	661.3	658.4
Cashiers	41-2011	Line item	3,555.5	3,526.0	-29.5		9.4						653.9
Gaming change persons and booth cashiers	41-2012	Line item	23.4	24.0	0.6			9.2		2.2	2.2	4.4	4.5
Counter and rental clerks and parts salespersons	41-2020	Summary	710.1	748.0	37.9		4.9			36.0	55.0	90.9	94.7
Counter and rental clerks	41-2021	Line item	458.2	483.4	25.1	5.5	5.3			24.7	34.6	59.3	61.8
Parts salespersons	41-2022	Line item	251.9	264.6	12.8		4.3			11.2	20.4	31.7	32.9
Retail salespersons	41-2031	Line item	4,602.5	4,690.6	88.1	1.9				294.2	368.7	662.9	671.7
Sales representatives, services	41-3000	Summary	2,091.8	2,245.7	154.0		3.4				160.2	234.0	249.4
Advertising sales agents	41-3011	Line item	149.9	145.6	-4.4		3.7			5.5		18.3	17.8
Insurance sales agents	41-3021	Line item	501.4	550.0	48.6		4.1			21.4	28.3	49.6	54.5
Securities, commodities, and financial services sales agents		Line item	375.7	398.7	23.0		2.6			10.2	25.5	35.7	38.0
Travel agents	41-3041	Line item	81.7	74.3	-7.5		5.3			4.2	4.7	8.9	8.1
Sales representatives, services, all other	41-3099	Line item	983.0	1,077.2	94.2					32.6		121.5	130.9
Sales representatives, wholesale and manufacturing	41-4000	Summary	1,813.5	1,913.3	99.8							186.3	196.3
	+1-4000	Julillialy	1,013.5	1,313.3	33.0	5.5	3.3	0.7	10	01.5	124.0	100.3	190.3
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Sales representatives, wholesale and manufacturing, technical and scientific products	41-4011	Line item	343.6	362.4	18.7	5.5	3.3	6.7	10	11.6	23.6	35.3	37.2

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Sales representatives, wholesale and manufacturing, excep			4 400 0	4 == 4 0						40.0	404.0	4-46	
technical and scientific products	41-4012	Line item	1,469.9	1,551.0	81.1	5.5		6.7	10			151.0	
Other sales and related workers	41-9000	Summary	1,013.4	1,066.6	53.2	5.2	5.7	6.0		59.5	62.1	121.6	
Models, demonstrators, and product promoters	41-9010	Summary	99.5	106.2	6.6	6.7		6.8			7.0		
Demonstrators and product promoters	41-9011	Line item	94.7	101.4	6.7	7.0		6.8					
Models	41-9012	Line item	4.8	4.8	0.0	-0.9		6.8			0.3		
Real estate brokers and sales agents	41-9020	Summary	444.1	471.0	26.9	6.0		3.9	9		17.8		
Real estate brokers	41-9021	Line item	95.3	100.5	5.1	5.4	5.1	3.9	9		3.8		
Real estate sales agents	41-9022	Line item	348.8	370.5	21.7	6.2		3.9	9		14.0	32.4	
Sales engineers	41-9031	Line item	74.9	80.1	5.2	6.9	2.4	7.7	10	1.8	6.0	7.8	
Telemarketers	41-9041	Line item	216.6	216.5	-0.1	0.0	6.0	9.4	15.4	12.9	20.4	33.3	
Miscellaneous sales and related workers	41-9090	Summary	178.3	192.8	14.5	8.2	6.0	5.8	11.8	11.0	10.8	21.9	23.
and related workers	41-9091	Line item	82.4	87.5	5.2	6.3	6.7	3.7	10.5	5.7	3.2	8.9	9.
Sales and related workers, all other	41-9099	Line item	95.9	105.3	9.4	9.8	5.3	7.6	12.9	5.3	7.7	13.0	13.
Office and administrative support occupations	43-0000	Summary	23,081.2	23,230.6	149.4	0.6	5.1	6.0	11.1	1,189.0	1,392.5	2,581.4	
Supervisors of office and administrative support workers	43-1000	Summary	1,506.3	1,557.5	51.2	3.4	3.9	5.8	9.7	59.4	88.4	147.9	
workers	43-1011	Line item	1,506.3	1,557.5	51.2	3.4	3.9	5.8			88.4	147.9	
Communications equipment operators	43-2000	Summary	104.7	84.4	-20.3	-19.4	6.2	6.7					
Switchboard operators, including answering service	43-2011	Line item	93.2	74.7	-18.5	-19.9	6.3	6.7					
Telephone operators	43-2021	Line item	9.1	7.0	-2.0	-22.6	6.1	7.5			0.6		
Communications equipment operators, all other	43-2021	Line item	2.4	2.6	0.2	10.4	3.5	6.8	10.3		0.0		
Financial clerks	43-3000	Summary	3,336.6	3,332.3	-4.3	-0.1	5.3	5.4	10.8		181.2	359.3	
Bill and account collectors	43-3011	Line item	305.7	296.6	- 4 .3	-3.0		6.6			19.8	31.1	
Billing and posting clerks	43-3011	Line item	501.0	571.9	70.9	14.2	4.3	5.5			29.5	52.5	
0 1 0		Line item		1,706.9	-23.5		6.2				82.6		
Bookkeeping, accounting, and auditing clerks	43-3031	_	1,730.5			-1.4		4.8					
Gaming cage workers	43-3041	Line item	19.0	19.3	0.3	1.4	6.1	9.3		1.2			
Payroll and timekeeping clerks	43-3051	Line item	166.3	164.7	-1.6	-0.9		5.6					
Procurement clerks	43-3061	Line item	74.9	71.8	-3.2	-4.2	4.2	6.5		3.1	4.8		
Tellers	43-3071	Line item	502.7	460.9	-41.7	-8.3	5.1	6.4	11.5	24.7	31.0		
Financial clerks, all other	43-3099	Line item	36.6	40.2	3.6	9.9		6.6		1.5			
Information and record clerks	43-4000	Summary	5,830.0	6,138.1	308.1	5.3		7.0			417.8		
Brokerage clerks	43-4011	Line item	60.4	63.4	3.0	5.0		7.6		1.6			
Correspondence clerks	43-4021	Line item	7.2	7.4	0.2	2.1	4.6	6.5			0.5		
Court, municipal, and license clerks	43-4031	Line item	135.5	144.4	8.9	6.6		3.9		6.3	5.5		
Credit authorizers, checkers, and clerks	43-4041	Line item	38.5	37.4	-1.1	-2.8	3.5	6.5	9.9	1.3	2.5	3.8	
Customer service representatives	43-4051	Line item	2,784.5	2,920.5	136.0	4.9	5.1	7.5	12.6	145.8	214.0	359.8	373.
Eligibility interviewers, government programs	43-4061	Line item	143.1	151.6	8.5	6.0	4.0	4.7	8.7	5.9	6.9	12.8	13.
File clerks	43-4071	Line item	135.0	121.1	-13.9	-10.3	6.1	6.0	12.2	7.8	7.7	15.6	14.
Hotel, motel, and resort desk clerks	43-4081	Line item	252.6	263.9	11.3	4.5	5.5	9.9	15.4	14.3	25.5	39.8	40.
Interviewers, except eligibility and loan	43-4111	Line item	194.7	205.7	11.0	5.7	5.3	6.3	11.6	10.7	12.5	23.2	24.
Library assistants, clerical	43-4121	Line item	104.3	114.1	9.8	9.4	7.9	6.0	14	8.7	6.6		
Loan interviewers and clerks	43-4131	Line item	229.8	258.2	28.4	12.4	3.6	5.8	9.4	8.8	14.1		
New accounts clerks	43-4141	Line item	42.0	39.4	-2.6	-6.2	4.3	6.2		1.7			
Order clerks	43-4151	Line item	179.0	175.4	-3.6	-2.0		6.5			11.6		
timekeeping	43-4161	Line item	141.5	138.9	-2.6	-1.8		6.7	10.9				
Receptionists and information clerks	43-4171	Line item	1,053.7	1,149.4	95.7	9.1	6.2	6.6	_		73.1	141.6	
clerks	43-4181	Line item	150.1	155.7	5.6	3.7	4.3	6.0	10.3			15.7	
Information and record clerks, all other	43-4199	Line item	178.1	191.7	13.6	7.6		6.3	11.1	9.0			
workers	43-5000	Summary	4,117.5	4,196.8	79.3	1.9		6.1	10.7				
Cargo and freight agents	43-5011	Line item	89.8	99.1	9.3	10.4		5.0					
Couriers and messengers	43-5021	Line item	95.0	103.0	8.0	8.4							
Dispatchers	43-5030	Summary	300.3	308.4	8.1	2.7		5.4					
Police, fire, and ambulance dispatchers	43-5030	Line item	98.6	106.7	8.2	8.3		5.4					
Dispatchers, except police, fire, and ambulance	43-5031	_	201.7	201.7	0.0	0.0		5.4			10.9		
		Line item											
Meter readers, utilities	43-5041	Line item	34.8	33.2	-1.5	-4.4							
Postal service workers	43-5050	Summary	502.4	437.1	-65.3	-13.0		2.8					
Postal service clerks	43-5051	Line item	79.0	69.5	-9.5	-12.1	5.1	2.7					
Postal service mail carriers	43-5052	Line item	316.7	278.5	-38.2	-12.1	3.9						
machine operators	43-5053	Line item	106.7	89.1	-17.5	-16.5		2.9					
Production, planning, and expediting clerks	43-5061	Line item	329.4	347.3	17.9	5.4	3.5	6.5	10		22.0	33.7	
Shipping, receiving, and traffic clerks	43-5071	Line item	681.4	681.4	0.1	0.0		6.0		26.6	40.6		
Stock clerks and order fillers	43-5081	Line item	2,008.6	2,109.9	101.3	5.0			12.6	112.4	146.7	259.2	
recordkeeping	43-5111	Line item	75.9	77.3	1.4	1.9	4.0		9.7				
Secretaries and administrative assistants	43-6000	Summary	3,990.4	3,798.5	-191.9	-4.8						413.9	

		Trans.											
assistants	43-6011	Line item	685.3	566.2	-119.1	-17.4	5.4			33.7	32.8		
Legal secretaries	43-6012	Line item	194.7	157.5	-37.1	-19.1	5.4			9.5			
Medical secretaries	43-6013	Line item	574.2	703.2	129.1	22.5	5.4			34.4	33.5	67.9	
medical, and executive	43-6014	Line item	2,536.2	2,371.4	-164.8	-6.5				132.2	128.6		
Other office and administrative support workers	43-9000	Summary	4,195.7	4,123.0	-72.7	-1.7	5.6			231.9	240.9	472.8	
Computer operators	43-9011	Line item	51.5	39.7	-11.8	-22.9	4.0		10.1	1.8		4.6	
Data entry and information processing workers	43-9020	Summary	278.7	210.6	-68.1	-24.4	5.5	6.0	11.5	13.3	14.7	28.1	21.3
Data entry keyers	43-9021	Line item	203.8	160.8	-43.1	-21.1	5.1	6.5	11.6	9.4	11.8	21.1	
Word processors and typists	43-9022	Line item	74.9	49.9	-25.0	-33.4	6.4	4.8	11.2	4.0	3.0	7.0	4.5
Desktop publishers	43-9031	Line item	14.6	12.6	-2.0	-13.9	4.4	6.4	10.7	0.6	0.9	1.5	
Insurance claims and policy processing clerks	43-9041	Line item	308.5	342.6	34.1	11.0	4.3	5.6	9.9	13.9	18.3	32.2	
service	43-9051	Line item	95.5	88.3	-7.1	-7.5	5.4		11	5.0	5.2		
Office clerks, general	43-9061	Line item	3,117.7	3,085.7	-32.1	-1.0				182.0	177.4		
Office machine operators, except computer	43-9071	Line item	59.9	50.5	-9.4	-15.6	4.4		11	2.4			
Proofreaders and copy markers	43-9081	Line item	14.2	14.5	0.3	2.2		6.9		1.2			
Statistical assistants	43-9111	Line item	11.8	12.9	1.1	9.2	4.6			0.6			
Office and administrative support workers, all other	43-9199	Line item	243.2	265.5	22.3	9.2			10.7	11.1	16.2		
Farming, fishing, and forestry occupations	45-0000	Summary	1,060.1	1,060.6	0.5	0.0				38.7	116.2		
Supervisors of farming, fishing, and forestry workers	45-1000	Summary	48.7	51.0	2.2	4.6				1.6			
,			48.7	51.0	2.2	4.6			13.1	1.6		6.5	
workers	45-1011	Line item											
Agricultural workers	45-2000	Summary	914.8	915.0	0.3	0.0			14.9	33.7	103.0	136.7	
Agricultural inspectors	45-2011	Line item	15.6	16.3	0.7	4.6			13.1	0.7	1.4		
Animal breeders	45-2021	Line item	9.0	9.2	0.2	2.0			15.1	0.3	1.0		
Graders and sorters, agricultural products	45-2041	Line item	42.9	42.5	-0.4	-0.9				1.7			
Miscellaneous agricultural workers	45-2090	Summary	847.3	847.0	-0.2	0.0			15.1	31.0			
Agricultural equipment operators	45-2091	Line item	63.9	67.5	3.6	5.6			15.1	2.4			
greenhouse	45-2092	Line item	503.7	509.5	5.8	1.1	3.7		15.1	18.5	57.7	76.3	
Farmworkers, farm, ranch, and aquacultural animals	45-2093	Line item	268.1	258.1	-10.1	-3.8			15.1	9.6	30.0	39.6	
Agricultural workers, all other	45-2099	Line item	11.6	12.1	0.5	4.5	3.7	11.4	15.1	0.4	1.3	1.8	
Fishing and hunting workers	45-3000	Line item	27.0	29.0	2.0	7.2	3.3	6.4	9.8	0.9	1.8	2.7	2.9
Forest, conservation, and logging workers	45-4000	Summary	69.6	65.6	-4.0	-5.8	3.7	9.5	13.2	2.5	6.5	9.0	8.6
Forest and conservation workers	45-4011	Line item	14.3	14.1	-0.2	-1.3	4.3	11.1	15.4	0.6	1.6	2.2	
Logging workers	45-4020	Summary	55.3	51.5	-3.8	-7.0			12.7	1.9	4.9		
Fallers	45-4021	Line item	7.5	6.7	-0.8	-10.5			12.7	0.3		0.9	
Logging equipment operators	45-4022	Line item	39.1	36.3	-2.7	-7.0			12.7	1.3			
Log graders and scalers	45-4023	Line item	4.2	4.3	0.1	2.7	3.5		12.7	0.2			
Logging workers, all other	45-4029	Line item	4.5	4.1	-0.4	-9.5	3.5		12.7	0.2	0.4		
Construction and extraction occupations	47-0000	Summary	6,812.5	7,570.8	758.4	11.1	3.5			251.1	472.8	723.9	
Supervisors of construction and extraction workers	47-1000	Summary	602.5	678.8	76.3	12.7	3.2		9.5	20.5	40.4	60.9	
workers	47-1011	Line item	602.5	678.8	76.3	12.7	3.2		9.5	20.5	40.4	60.9	
Construction trades workers	47-1011	Summary	5,347.0	5,918.4	571.4	10.7	3.5		9.9	194.4	360.4	554.9	
Boilermakers	47-2000	Line item	17.2	18.6	1.4	8.4	3.1			0.6			
Brickmasons, blockmasons, and stonemasons	47-2020	Summary	110.0	121.5	11.5	10.5	2.9			3.3			
Brickmasons and blockmasons	47-2021	Line item	91.1	100.8	9.7	10.6	2.9			2.8			
Stonemasons	47-2022	Line item	18.9	20.7	1.9	9.8			8.4	0.6			
Carpenters	47-2031	Line item	1,025.6	1,112.6	87.0	8.5				36.8	59.4		
Carpet, floor, and tile installers and finishers	47-2040	Summary	122.3	134.5	12.1	9.9			8.4	4.0			
Carpet installers	47-2041	Line item	40.4	44.4	3.9	9.8		5.2		1.3			
Floor layers, except carpet, wood, and hard tiles	47-2042	Line item	16.3	18.0	1.6	10.0				0.5			
Floor sanders and finishers	47-2043	Line item	7.3	8.0		9.8				0.2			
Tile and marble setters	47-2044	Line item	58.3	64.2	5.8	10.0				1.9			
Cement masons, concrete finishers, and terrazzo workers	47-2050	Summary	182.5	205.5	23.0	12.6				7.4			
Cement masons and concrete finishers	47-2051	Line item	178.9	201.5	22.6	12.6				7.2	12.9	20.1	22.4
Terrazzo workers and finishers	47-2053	Line item	3.6	4.0	0.4	12.3	3.8	6.8	10.6	0.1	0.3	0.4	0.4
Construction laborers	47-2061	Line item	1,216.7	1,370.0	153.3	12.6				45.1	85.3	130.4	145.7
Construction equipment operators	47-2070	Summary	426.6	479.4	52.8	12.4				17.0		48.7	
Paving, surfacing, and tamping equipment operators	47-2071	Line item	51.9	58.2	6.3	12.1	3.3			1.8			
Pile-driver operators	47-2072	Line item	3.7	4.2	0.5	14.7				0.2	0.3		
operators	47-2073	Line item	371.1	417.1	45.9	12.4				15.0			
Drywall installers, ceiling tile installers, and tapers	47-2073	Summary	143.2	144.7	1.5	1.1	3.1		8.6	4.4			
Drywall and ceiling tile installers	47-2081	Line item	119.5	120.9	1.4	1.2				3.7		10.4	
Tapers	47-2081	Line item	23.7	23.8	0.1	0.6				0.7			
	47-2062		666.9	727.0	60.1	9.0				24.3			
Electricians Glaziers		Line item											
I I I I I I I I I I I I I I I I I I I	47-2121	Line item	50.1	55.4	5.3	10.6	3.6	7.6	11.3	1.9	4.0	5.9	6.5

Insulation workers	47-2130	Summary	59.5	62.7	3.2	5.4	2.7	7.7	10.4	1.6	4.7	6.3	6.6
Insulation workers, floor, ceiling, and wall	47-2131	Line item	30.9	31.4	0.4	1.3	2.7	7.7	10.4	0.8	2.4	3.2	3.3
Insulation workers, mechanical	47-2132	Line item	28.6	31.4	2.8	9.7	2.7	7.7	10.4	0.8	2.3	3.1	3.4
Painters and paperhangers	47-2140	Summary	387.3	411.0	23.7	6.1	3.4	5.0	8.4	13.6	19.9	33.5	35.9
Painters, construction and maintenance	47-2141	Line item	381.5	405.0	23.4		3.4			13.4	19.6	33.0	35.4
Paperhangers	47-2142	Line item	5.7	6.0			3.4		8.4	0.2	0.3	0.5	0.5
Pipelayers, plumbers, pipefitters, and steamfitters	47-2150	Summary	524.8	608.2	83.4	15.9	3.6		10.3	20.5	37.9	58.4	66.8
Pipelayers	47-2151	Line item	44.1	51.7	7.6		3.6		10.3	1.7	3.2	4.9	5.7
Plumbers, pipefitters, and steamfitters	47-2152	Line item	480.6	556.4	75.8	15.8	3.6		10.3	18.8	34.7	53.5	61.1
Plasterers and stucco masons	47-2161	Line item	27.7	28.8	1.1	4.0	3.5		9.2	1.0	1.6	2.6	2.7
	47-2101	Line item	20.1	22.5	2.4	12.1	2.5		10.2	0.5	1.6	2.2	2.4
Reinforcing iron and rebar workers			146.2	162.7	16.5	11.3	2.5		9.7	4.4	10.5	14.9	16.6
Roofers	47-2181	Line item											
Sheet metal workers	47-2211	Line item	138.9	151.0	12.0		3.5		10.3	5.0	9.9	15.0	16.2
Structural iron and steel workers	47-2221	Line item	70.2	79.2	9.0		2.9			2.2	5.6	7.8	8.7
Solar photovoltaic installers	47-2231	Line item	11.3	23.2	11.9	105.3	4.0		10.4	0.7	1.1	1.8	3.0
Helpers, construction trades	47-3000	Summary	232.7	262.8	30.1	12.9	4.2		13.9	10.5	23.9	34.4	37.4
and marble setters	47-3011	Line item	24.1	27.0			4.2			1.1	2.5	3.6	3.8
Helperscarpenters	47-3012	Line item	36.7	41.4	4.7		4.2			1.6	3.8	5.4	5.9
Helperselectricians	47-3013	Line item	73.2	80.9	7.7	10.6	4.2		13.9	3.3	7.4	10.7	11.5
masons	47-3014	Line item	10.9	11.4	0.5	4.1	4.2		13.9	0.5	1.1	1.5	1.6
Helperspipelayers, plumbers, pipefitters, and steamfitters	47-3015	Line item	55.5	65.8	10.3	18.6	4.2	9.7	13.9	2.6	5.9	8.4	9.5
Helpersroofers	47-3016	Line item	10.2	11.5	1.3	12.4	4.2	9.7	13.9	0.5	1.0	1.5	1.6
Helpers, construction trades, all other	47-3019	Line item	22.1	24.8	2.7	12.1	4.2	9.7	13.9	1.0	2.3	3.3	3.5
Other construction and related workers	47-4000	Summary	435.8	480.5	44.6		4.3			19.5	29.2	48.7	53.2
Construction and building inspectors	47-4011	Line item	105.1	115.6	10.5		4.9			5.4	6.2	11.7	12.7
Elevator installers and repairers	47-4021	Line item	22.1	24.8	2.7		3.1			0.7	1.9	2.7	3.0
Fence erectors	47-4031	Line item	25.1	28.0	2.8		3.4			0.9	2.0	2.9	3.2
Hazardous materials removal workers	47-4041	Line item	46.2	54.1	7.9		4.0			2.0	3.9	5.9	6.7
Highway maintenance workers	47-4051	Line item	149.9	160.2	10.3		4.2		10	6.6	8.9	15.4	16.5
Rail-track laying and maintenance equipment operators	47-4061	Line item	14.0	15.2	1.2		3.2		9.5	0.5	0.9	1.4	1.5
Septic tank servicers and sewer pipe cleaners	47-4001	Line item	28.5	33.3	4.8		5.0			1.5	2.3	3.8	4.3
Miscellaneous construction and related workers	47-4071	Summary	44.8	49.3	4.5		4.0		10.4	1.9	3.0	4.9	5.3
	47-4090	Line item	2.1	2.4	0.3		4.0			0.1	0.1	0.2	0.3
Segmental pavers Construction and related workers, all other	47-4091	Line item	42.7	46.9	4.2		4.0		10.4	1.8	2.9	4.7	5.1
			194.4	230.4	36.0	18.5	2.9		11.8	6.2	18.8	25.0	28.6
Extraction workers	47-5000	Summary											
mining	47-5010	Summary	69.2	85.8	16.6		2.5		11.8	1.9	7.2	9.1	10.8
Derrick operators, oil and gas	47-5011	Line item	11.1	13.9	2.8		2.5			0.3	1.2	1.5	1.8
Rotary drill operators, oil and gas	47-5012	Line item	16.7	20.8	4.0		2.5		11.8	0.5	1.7	2.2	2.6
Service unit operators, oil, gas, and mining	47-5013	Line item	41.4	51.1	9.7	23.4	2.5		11.8	1.1	4.3	5.4	6.4
Earth drillers, except oil and gas	47-5021	Line item	19.6	23.5	3.9		2.5			0.5	1.7	2.2	2.6
blasters	47-5031	Line item	6.3	6.8	0.5		4.7			0.3	0.5	0.8	0.8
Mining machine operators	47-5040	Summary	20.6	19.9			2.9		11.6	0.6	1.8	2.4	2.3
Continuous mining machine operators	47-5041	Line item	12.3	11.8	-0.5	-3.9	2.9		11.6	0.4	1.1	1.4	1.4
Mine cutting and channeling machine operators	47-5042	Line item	6.1	5.8			2.9		11.6	0.2	0.5	0.7	0.7
Mining machine operators, all other	47-5049	Line item	2.2	2.2	0.0	0.1	2.9	8.7	11.6	0.1	0.2	0.3	0.3
Rock splitters, quarry	47-5051	Line item	3.7	3.5			3.0		12.2	0.1	0.3	0.4	0.4
Roof bolters, mining	47-5061	Line item	3.7	3.5	-0.2	-5.2	3.0	9.2	12.2	0.1	0.3	0.4	0.4
	47 5074		50.0	62.3	12.2	24.5	3.4	8.7	12.1	1.9	4.9	6.8	8.0
Roustabouts, oil and gas	47-5071	Line item	30.01	02.3						0.6	1.7	2.3	2.6
Roustabouts, oil and gas Helpersextraction workers		Line item Line item	17.0	20.3	3.3	19.7	3.0	9.2	12.2	0.1			0.6
	47-5071 47-5081 47-5099				3.3		3.0			211.9	0.4	0.5	ข.บ
Helpersextraction workers Extraction workers, all other	47-5081 47-5099	Line item Line item	17.0 4.2	20.3 4.8	3.3 0.7	15.9	3.0	9.2	12.2	∠ I I.ਹI			
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations	47-5081 47-5099 49-0000	Line item Line item Summary	17.0 4.2 5,905.4	20.3 4.8 6,301.5	3.3 0.7 396.1	15.9 6.7	3.0 3.5	9.2 5.9	12.2 9.4		360.2	572.1	611.7
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers	47-5081 47-5099 49-0000 49-1000	Line item Line item Summary Summary	17.0 4.2 5,905.4 462.2	20.3 4.8 6,301.5 495.0	3.3 0.7 396.1 32.8	15.9 6.7 7.1	3.0 3.5 3.2	9.2 5.9 5.2	12.2 9.4 8.4	15.5	360.2 24.7	572.1 40.2	611.7 43.4
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers	47-5081 47-5099 49-0000 49-1000 49-1011	Line item Line item Summary Summary Line item	17.0 4.2 5,905.4 462.2 462.2	20.3 4.8 6,301.5 495.0 495.0	3.3 0.7 396.1 32.8 32.8	15.9 6.7 7.1 7.1	3.0 3.5 3.2 3.2	9.2 5.9 5.2 5.2	12.2 9.4 8.4 8.4	15.5 15.5	360.2 24.7 24.7	572.1 40.2 40.2	611.7 43.4 43.4
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000	Line item Line item Summary Summary Line item Summary	17.0 4.2 5,905.4 462.2 462.2 628.1	20.3 4.8 6,301.5 495.0 495.0 623.0	3.3 0.7 396.1 32.8 32.8 -5.1	15.9 6.7 7.1 7.1 -0.8	3.0 3.5 3.2 3.2 3.1	9.2 5.9 5.2 5.2 6.7	12.2 9.4 8.4 8.4 9.8	15.5 15.5 19.6	360.2 24.7 24.7 42.0	572.1 40.2 40.2 61.6	611.7 43.4 43.4 61.1
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers	47-5081 47-5099 49-0000 49-1000 3 49-1011 49-2000 49-2011	Line item Line item Summary Summary Line item Summary Line item Summary Line item	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8	15.9 6.7 7.1 7.1 -0.8 -0.7	3.0 3.5 3.2 3.2 3.1 3.3	9.2 5.9 5.2 5.2 6.7 6.4	9.4 8.4 8.4 9.8 9.6	15.5 15.5 19.6 3.9	360.2 24.7 24.7 42.0 7.6	572.1 40.2 40.2 61.6 11.5	611.7 43.4 43.4 61.1 11.4
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers	47-5081 47-5099 49-0000 49-1000 5 49-1011 49-2000 49-2011 49-2020	Line item Line item Summary Summary Line item Summary Line item Summary Line item Summary	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8	3.0 3.5 3.2 3.2 3.1 3.3 3.3	9.2 5.9 5.2 5.2 6.7 6.4 7.1	12.2 9.4 8.4 8.4 9.8 9.6 10.4	15.5 15.5 19.6 3.9 8.1	360.2 24.7 24.7 42.0 7.6 17.2	572.1 40.2 40.2 61.6 11.5 25.3	611.7 43.4 43.4 61.1 11.4 23.6
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair	47-5081 47-5099 49-0000 49-1000 5 49-1011 49-2000 49-2011 49-2020 \$ 49-2021	Line item Line item Summary Summary Line item Summary Line item Summary Line item Summary Line item	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1 14.5	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1	12.2 9.4 8.4 8.4 9.8 9.6 10.4	15.5 15.5 19.6 3.9 8.1 0.5	360.2 24.7 24.7 42.0 7.6 17.2	572.1 40.2 40.2 61.6 11.5 25.3 1.5	611.7 43.4 43.4 61.1 11.4 23.6 1.6
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers	47-5081 47-5099 49-0000 49-1000 5 49-1011 49-2000 49-2011 49-2020	Line item Line item Summary Summary Line item Summary Line item Summary Line item Summary	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5	3.0 3.5 3.2 3.2 3.1 3.3 3.3	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1	12.2 9.4 8.4 8.4 9.8 9.6 10.4	15.5 15.5 19.6 3.9 8.1	360.2 24.7 24.7 42.0 7.6 17.2	572.1 40.2 40.2 61.6 11.5 25.3	611.7 43.4 43.4 61.1 11.4 23.6 1.6
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers Miscellaneous electrical and electronic equipment	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000 49-2011 49-2020 \$ 49-2021 49-2022	Line item Line item Summary Summary Line item Summary Line item Summary Line item Summary Line item Line item	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1 14.5 237.6	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3 219.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1 0.8 -17.9	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5 -7.6	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3 3.3	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1	12.2 9.4 8.4 8.4 9.8 9.6 10.4 10.4	15.5 15.5 19.6 3.9 8.1 0.5 7.6	360.2 24.7 24.7 42.0 7.6 17.2 1.1 16.2	572.1 40.2 40.2 61.6 11.5 25.3 1.5 23.7	611.7 43.4 43.4 61.1 11.4 23.6 1.6 21.9
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000 49-2011 49-2020 \$ 49-2021 49-2022	Line item Line item Summary Summary Line item Summary Line item Summary Line item Line item Line item Summary	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1 14.5 237.6	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3 219.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1 0.8 -17.9	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5 -7.6	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3 3.3 3.3	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1 7.1	9.4 8.4 8.4 9.8 9.6 10.4 10.4 9.4	15.5 15.5 19.6 3.9 8.1 0.5 7.6	360.2 24.7 24.7 42.0 7.6 17.2 1.1 16.2	572.1 40.2 40.2 61.6 11.5 25.3 1.5 23.7	611.7 43.4 43.4 61.1 11.4 23.6 1.6 21.9
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers Miscellaneous electrical and electronic equipment mechanics, installers, and repairers Avionics technicians	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000 49-2011 49-2020 \$ 49-2021 49-2022 49-2090 49-2091	Line item Line item Summary Summary Line item Summary Line item Summary Line item Line item Line item Summary Line item Line item	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1 14.5 237.6 256.5 17.5	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3 219.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1 0.8 -17.9	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5 -7.6	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3 3.3 2.9 2.1	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1 7.1 6.5	12.2 9.4 8.4 9.8 9.6 10.4 10.4 10.4 7.7	15.5 15.5 19.6 3.9 8.1 0.5 7.6	360.2 24.7 24.7 42.0 7.6 17.2 1.1 16.2	572.1 40.2 40.2 61.6 11.5 25.3 1.5 23.7 24.8	611.7 43.4 43.4 61.1 11.4 23.6 1.6 21.9 26.1
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers Miscellaneous electrical and electronic equipment mechanics, installers, and repairers Avionics technicians Electric motor, power tool, and related repairers	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000 49-2011 49-2020 8 49-2021 49-2022 49-2090 49-2091 49-2091	Line item Line item Summary Summary Line item Summary Line item Summary Line item	17.0 4.2 5,905.4 462.2 628.1 119.5 252.1 14.5 237.6 256.5 17.5	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3 219.6 269.4 18.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1 0.8 -17.9 12.9 1.1	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5 -7.6 5.0 6.0 7.0	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3 3.3 2.9 2.1	9.2 5.9 5.2 5.2 6.7 6.4 7.1 7.1 7.1 6.5 5.6	12.2 9.4 8.4 9.8 9.6 10.4 10.4 10.4 7.7 9.1	15.5 15.5 19.6 3.9 8.1 0.5 7.6 7.6 0.4	360.2 24.7 24.7 42.0 7.6 17.2 1.1 16.2 17.2 1.0	572.1 40.2 40.2 61.6 11.5 25.3 1.5 23.7 24.8 1.4	611.7 43.4 43.4 61.1 11.4 23.6 1.6 21.9 26.1 1.5
Helpersextraction workers Extraction workers, all other Installation, maintenance, and repair occupations Supervisors of installation, maintenance, and repair workers First-line supervisors of mechanics, installers, and repairers repairers Computer, automated teller, and office machine repairers repairers Radio, cellular, and tower equipment installers and repair except line installers Miscellaneous electrical and electronic equipment mechanics, installers, and repairers Avionics technicians	47-5081 47-5099 49-0000 49-1000 49-1011 49-2000 49-2011 49-2020 \$ 49-2021 49-2022 49-2090 49-2091	Line item Line item Summary Summary Line item Summary Line item Summary Line item Line item Line item Summary Line item Line item	17.0 4.2 5,905.4 462.2 462.2 628.1 119.5 252.1 14.5 237.6 256.5 17.5	20.3 4.8 6,301.5 495.0 495.0 623.0 118.6 234.9 15.3 219.6	3.3 0.7 396.1 32.8 32.8 -5.1 -0.8 -17.1 0.8 -17.9 12.9 1.1 1.2	15.9 6.7 7.1 7.1 -0.8 -0.7 -6.8 5.5 -7.6 5.0 6.0 7.0 2.9	3.0 3.5 3.2 3.2 3.1 3.3 3.3 3.3 3.3 2.9 2.1	9.2 5.9 5.2 6.7 6.4 7.1 7.1 6.5 5.6 6.1	12.2 9.4 8.4 9.8 9.6 10.4 10.4 10.4 7.7 9.1 8.6	15.5 15.5 19.6 3.9 8.1 0.5 7.6	360.2 24.7 24.7 42.0 7.6 17.2 1.1 16.2	572.1 40.2 40.2 61.6 11.5 25.3 1.5 23.7 24.8	611.7 43.4 43.4 61.1 11.4 23.6 1.6 21.9

1.68	10.0005	II	00.4	0.1.0		0.7	0.5		0.0	0.0	4.51	0.0	0
substation, and relay	49-2095	Line item	23.4	24.3	0.9		2.5			0.6	1.5	2.0	2.
vehicles	49-2096	Line item	12.1	9.0			3.3			0.3	0.7	1.0	0.7
repairers	49-2097	Line item	31.7	32.1	0.4		3.5			1.1	2.1	3.3	3.0
Security and fire alarm systems installers	49-2098	Line item	72.3	82.6			3.3			2.5	5.8	8.3	9.4
repairers	49-3000	Summary	1,750.2	1,869.7	119.5		3.3			58.8	110.2	169.0	180.9
Aircraft mechanics and service technicians	49-3011	Line item	132.0	138.4	6.4		3.1			4.2	6.0	10.2	10.8
Automotive technicians and repairers	49-3020	Summary	930.0	992.7	62.8		3.2			30.9	57.9	88.8	95.
Automotive body and related repairers	49-3021	Line item	160.4	174.3	13.9		3.5			5.8	10.0	15.8	17.2
Automotive glass installers and repairers	49-3022	Line item	19.6	20.9	1.3	6.6	3.7			0.8	1.2	1.9	2.1
Automotive service technicians and mechanics	49-3023	Line item	749.9	797.5	47.6	6.3	3.2	6.0	9.2	24.4	46.7	71.1	75.9
Bus and truck mechanics and diesel engine specialists	49-3031	Line item	278.8	305.3	26.5	9.5	3.1	5.7	8.8	9.0	16.7	25.6	28.3
and mechanics	49-3040	Summary	192.1	206.8	14.7	7.7	3.1	6.3	9.4	6.2	12.6	18.8	20.2
Farm equipment mechanics and service technicians	49-3041	Line item	42.5	45.6	3.2	7.4	3.1	6.3	9.4	1.4	2.8	4.1	4.5
Mobile heavy equipment mechanics, except engines	49-3042	Line item	127.4	137.8	10.4	8.2	3.1	6.3	9.4	4.1	8.4	12.5	13.5
Rail car repairers	49-3043	Line item	22.3	23.4	1.1		3.1			0.7	1.4	2.2	2.3
Small engine mechanics	49-3050	Summary	79.3	84.0	4.7		4.1			3.3	5.1	8.4	8.8
Motorboat mechanics and service technicians	49-3051	Line item	23.4	23.5	0.1		4.1			1.0	1.5	2.4	2.4
Motorcycle mechanics	49-3052	Line item	18.3	18.6	0.3		4.1			0.7	1.1	1.9	1.9
mechanics	49-3053	Line item	37.6	41.9			4.1			1.6	2.5	4.1	4.
installers, and repairers	49-3090	Summary	138.0	142.4	4.4		3.7			5.2	12.0	17.2	17.
Bicycle repairers	49-3090	Line item	12.4	16.1	3.7		3.7			0.5	1.2	1.8	2.
Recreational vehicle service technicians	49-3091		13.8	13.7	-0.1		3.7			0.5	1.2	1.7	
Tire repairers and changers		Line item		112.6	0.9		3.7			4.2	9.6	13.8	13.9
	49-3093	Line item	111.7										
Other installation, maintenance, and repair occupations	49-9000	Summary	3,065.0	3,313.8	248.9		3.7			118.0	183.4	301.4	326.3
Control and valve installers and repairers	49-9010	Summary	67.3	71.7	4.4		2.5			1.7	3.4	5.2	5.0
Mechanical door repairers	49-9011	Line item	20.4	22.5	2.1		2.5			0.5	1.1	1.6	1.8
mechanical door	49-9012	Line item	46.9	49.2	2.3		2.5			1.2	2.4	3.6	3.8
installers	49-9021	Line item	332.9	382.0	49.1		2.8			9.9	24.0	33.8	38.7
Home appliance repairers	49-9031	Line item	46.6	46.2			4.9			2.3	2.0	4.3	4.2
workers	49-9040	Summary	477.7	510.0			3.5	5.3	8.9	17.4	26.3	43.7	46.9
Industrial machinery mechanics	49-9041	Line item	346.9	370.4	23.5	6.8	3.4			12.1	18.5	30.6	33.0
Maintenance workers, machinery	49-9043	Line item	89.7	94.7	5.0	5.6	4.3	5.8	10	3.9	5.3	9.3	9.8
Millwrights	49-9044	Line item	39.5	43.4	3.9	9.8	3.2			1.3	2.3	3.7	4.0
Refractory materials repairers, except brickmasons	49-9045	Line item	1.6	1.5	-0.1	-3.5	3.4	5.2	8.5	0.1	0.1	0.1	0.
Line installers and repairers	49-9050	Summary	227.0	245.5	18.5	8.1	2.5	6.2	8.7	5.9	14.7	20.6	22.4
Electrical power-line installers and repairers	49-9051	Line item	120.9	137.7	16.8	13.9	2.5	5.2	7.8	3.3	6.8	10.0	11.7
Telecommunications line installers and repairers	49-9052	Line item	106.1	107.8	1.7		2.4			2.6	7.9	10.5	10.7
Precision instrument and equipment repairers	49-9060	Summary	73.8	76.5	2.7		3.8			2.9	3.5	6.4	6.7
Camera and photographic equipment repairers	49-9061	Line item	4.0	4.2	0.1		3.8			0.2	0.2	0.4	0.4
Medical equipment repairers	49-9062	Line item	47.1	49.6	2.5		3.8			1.8	2.3	4.1	4.4
Musical instrument repairers and tuners	49-9063	Line item	8.3	8.5	0.2		3.8			0.3	0.4	0.7	0.7
Watch repairers	49-9064	Line item	1.8	1.3			3.8			0.1	0.1	0.1	0.
Precision instrument and equipment repairers, all other	49-9069	Line item	12.6	12.9	0.4		3.8			0.5	0.6	1.1	1.
Maintenance and repair workers, general	49-9009	Line item	1,432.6	1,545.3	112.7		4.1			60.7	82.8	143.4	154.7
, ,	49-9071						3.7			0.3	0.5	0.8	
Wind turbine service technicians		Line item	5.8	11.3	5.5								1.4
Miscellaneous installation, maintenance, and repair workers		Summary	401.4	425.5	24.1		4.1			17.0	26.1	43.2	45.0
repairers	49-9091	Line item	36.6	32.1	-4.6		4.3			1.5	2.3	3.8	3.0
Commercial divers	49-9092	Line item	4.1	4.5			3.7			0.2	0.2	0.4	0.4
Fabric menders, except garment	49-9093	Line item	0.7	0.6			3.7			0.0	0.0	0.1	0.
Locksmiths and safe repairers	49-9094	Line item	28.7	27.8			4.9			1.4	1.2	2.6	2.5
Manufactured building and mobile home installers	49-9095	Line item	4.3	4.0			3.5			0.1	0.2	0.4	0.3
Riggers	49-9096	Line item	20.9	22.9			3.1			0.7	1.5	2.1	2.3
Signal and track switch repairers	49-9097	Line item	10.0	10.1	0.1		3.7			0.4	0.6	0.9	1.0
Helpersinstallation, maintenance, and repair workers	49-9098	Line item	120.2	133.5			4.8			6.1	9.6	15.7	17.0
Installation, maintenance, and repair workers, all other	49-9099	Line item	175.8	189.9	14.1		3.7	5.7	9.4	6.7	10.5	17.2	18.6
Production occupations	51-0000	Summary	9,356.9	8,971.6	-385.3	-4.1	4.1	7.1	11.3	380.3	652.0	1,032.3	993.8
Supervisors of production workers	51-1000	Summary	621.4	620.9	-0.5	-0.1	3.2	6.4	9.6	19.8	39.8	59.6	59.5
First-line supervisors of production and operating workers	51-1011	Line item	621.4	620.9			3.2			19.8	39.8	59.6	59.
Assemblers and fabricators	51-2000	Summary	1,819.3	1,560.2	-259.1		4.3			72.9	120.3	193.2	167.3
assemblers	51-2011	Line item	41.8	34.5	-7.3		4.1			1.6	2.3	3.9	3.2
Electrical, electronics, and electromechanical assemblers	51-2020	Summary	278.7	220.7	-58.0		5.1			12.7	16.3	29.0	23.:
Coil winders, tapers, and finishers	51-2020	Line item	14.1	11.2	-2.9		5.1			0.6	0.8	1.5	1.2
Electrical and electronic equipment assemblers	51-2021	Line item	218.9	173.6	-2.9 -45.3		5.1			9.9	12.8	22.8	18.2
											2.7	4.7	
Electromechanical equipment assemblers	51-2023	Line item	45.7	36.0	-9.7	-21.3	5.1	6.5	11.6	2.1	2.7	4./	3.8

Secure of the following and filters 5-2041 view form 77.0 6.52 -11.8 -1.5.5 -3.5 7.2 10.8 -2.5 6.2 7.7 12.8 13.8									1		1			
Missing devices assemblers and fabrications 51-2009 Surrensy 1,383.6 1,200 1,775.6 1,277 1,276 1,277 1,15 5,4 6,0 1,4 2,2 3,2 1,1		51-2031	Line item							10	0.9			
Fibrigase immoner and indensities	Structural metal fabricators and fitters	51-2041	Line item	77.0	65.2	-11.8	-15.3	3.5	7.3	10.8	2.5	5.2	7.7	6.
Fibrigase immoner and indensities	Miscellaneous assemblers and fabricators	51-2090	Summary	1.383.8	1.208.2	-175.6	-12.7	4.3	7.2	11.5	55.4	93.9	149.2	131.
Fean Assemblaries	Fiberglass laminators and fabricators	51-2091				-0.3	-13		7.2	11.5				
Timing device assemblers and adjusters														
Assemblers and fasticitations, all other 51-0090 Line Infert 52-00 Line Infert 52-00 Line Infert 52-00 Line Infert 53-00 Line Infert														
Food processing workers		_												
Selection	Assemblers and fabricators, all other	51-2099	Line item	232.4	200.3	-32.2	-13.8			11.5	9.2	15.7	24.9	21.
Selection	Food processing workers	51-3000	Summary	823.0	849.9	26.9	3.3	5.2	7.7	12.8	43.1	64.3	107.4	110.
Section Sect														
Beath-the and meat cuttlers		_												
Metal poulluy, and fish cutters and home workers 51-3022 Line Intern 1564 1577 1.2 0.8 4.5 7.6 1.2 7.1 12.0 19.0 1.0		_												
Staupfwere and metal packers 51-9023 Une form \$2.5 \$2.5 \$2.5 \$4.5 \$6.5 \$2.1 \$3.7 \$6.3 \$10.0 \$1.1 \$1.0														
Mestive content of processing workers 61-0990 Surrenary 2674 2628 5.4 2.1 5.2 7.8 13.1 13.4 20.6 34.1 3.4 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.5 3.4 3.5 3.	Meat, poultry, and fish cutters and trimmers		Line item			1.2	0.8	4.5	7.6	12.1	7.1			19.
Mestive content of processing workers 61-0990 Surrenary 2674 2628 5.4 2.1 5.2 7.8 13.1 13.4 20.6 34.1 3.4 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.4 3.5 3.5 3.4 3.5 3.	Slaughterers and meat packers	51-3023	Line item	82.5	82.9	0.4	0.5	4.5	7.6	12.1	3.7	6.3	10.0	10.
Separation Company C			Summary			5.4	21	5.2	7 9	13.1	13.4			34.
Food batchmakers 51,3092 Line item 1537 156.8 21 1.3 5.6 8.4 13.8 8.5 12.0 21.4 2 Food processing workers, all other 51,3098 Line item 37.2 33.1 1.0 2.6 5.4 8.1 13.5 2.0 3.3 5.1 1.0 2.6 1.0 1.														
Food cooking machine operators and tenders														
Food processing workners, and other														
Metal workers and plastic workers	Food cooking machine operators and tenders	51-3093	Line item					5.4	8.1	13.5	2.0			
Metal workers and plastic workers	Food processing workers, all other	51-3099	Line item	46.4	48.9	2.5	5.4	4.3	6.8	11.1	2.0	3.2	5.3	5.
Computer control programmers and operatories	Metal workers and plastic workers	51-4000	Summary	1 954 7	1 886 5		-3.5	3.2	7.2	10.4	61.5	137 4	198.9	
Pelestic														
postameners, metal and plastic 51-4020 Une flow 201 292 4-11 16-3 28 7-0 9-8 07 1-9 27 19 27 19 21 19 12 1 18 14 11-5 3 27 7-4 10 3.0 8.2 11-1 11 11 11 11 11 11 11 11 11 11 11 1														
Extracting and drawing machine setters, operators, and lenders, metal and plastic 1-4020 Line Item 19.2 11.55 3.7 11.0 11.52 2.5 7.5 10 1.7 5.0 6.7 1.	•													
Extruding and drawing machine setters, operators, and students metal and plastic streams and plastic strea	programmers, metal and plastic	51-4012	Line item	25.1		4.1	16.3	2.8	7.0	9.8	0.7	1.9	2.7	
Extruding and drawing machine setters, operators, and students metal and plastic streams and plastic strea	plastic	51-4020	Summary	120.5	102.1	-18.4	-15.3	2.7	7.4	10	3.0	8.2	11.1	9.3
Enders, metal and plastic 51-4021 Line item 72.3 61.3 -11.0 -15.2 2.5 7.5 10 1.7 5.0 6.7 1.7 1.8 1.7 1.8 1.5 1.5 1.5 1.7 1.9 2.9 7.1 1.0 0.5 1.2 1.7 1.2 1.7 1.3 1.5														
and plastic 514022 Line item 192 16.5 -3.7 -192 2.9 7.1 10 0.6 12 1.7 and plastic 514023 Line item 29.0 25.3 -3.7 -19.9 2.9 7.1 10 0.6 1.9 2.7 and plastic 514023 Line item 29.0 25.3 -3.7 -12.9 2.9 7.1 10 0.6 1.9 2.7 and plastic 514030 Summary 332.4 29.3 -33.0 -9.9 3.5 7.3 10.8 11.1 2.3 1 34.2 31 34.2		E1 1001	Line item	72.2	61.2	11.0	15.0	2.5	7.5	10	17	E 0	6.7	
and plastic 51-4023 Line Item 29.0 25.3 -3.7 -12.9 2.9 7.1 10 0.6 1.9 2.7 7.1 2.7 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2														
And plastic Cutting, punching, and press machine setters, operators, and tenders, metal and plastic St. August Line Item 1927 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1927 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1927 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.8 11.2 6.7 13.9 20.6 11.0 Common Line Item 1928 175.9 -16.8 -8.7 3.6 7.0 10.6 0.4 0.8 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12														
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic size of the properties of the pr	and plastic	51-4023	Line item	29.0	25.3	-3.7	-12.9	2.9	7.1	10	0.8	1.9	2.7	
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic Drilling and boring machine tool setters, operators, and tenders, metal and plastic Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic Lathe and turning machine tool setters, operators, and tenders, metal and plastic Lathe and turning machine tool setters, operators, and tenders, metal and plastic Lathe and turning machine tool setters, operators, and tenders, metal and plastic S14033 Line item 76.2 68.5 -7.6 -10.0 3.5 7.0 10.5 2.5 5.1 7.6 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	and plastic	51-4030	Summary	332.4	299.3	-33.0	-9.9	3.5	7.3	10.8	11.1	23.1	34.2	30.
and tenders, metal and plastic	Cutting punching and press machine setters operators													
Drilling and boring machine tool setters, operators, and tenders, metal and plastic 51-4032 Line item 7,62 68.5 7,6 10.0 3.5 7,0 10.5 2.5 5.1 7,6 setters, operators, and tenders, metal and plastic 51-4033 Line item 7,62 68.5 7,6 10.0 3.5 7,0 10.5 2.5 5.1 7,6 setters, operators, and tenders, metal and plastic 51-4034 Line item 33.7 30.8 1.28 8.4 2.9 68.8 9.8 0.9 2.2 3.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0,1	E1 1021	Line item	102.7	175.0	16.0	0.7	2.6	7.6	11 2	6.7	12.0	20.6	10
Intenders, metal and plastic S1-4032 Line item 12.3 9.9 2.4 19.4 3.7 6.9 10.6 0.4 0.8 1.2 1.5 1.2 1.5 1.2 1.5 1.2 1.5 1.2 1.		31-4031	Line item	192.7	175.9	-10.0	-0.7	3.0	7.0	11.2	0.7	13.8	20.0	10.
Setters, operators, and buffing machine tool setters, operators, and tenders, metal and plastic stands, metal and plastic stands. Stands stand														
Setters, operators, and tenders, metal and plastic Lahe and turning machine tool setters, operators, and tenders, metal and plastic 51-4034 Line item 37 30.8 2.8 8.4 2.9 6.8 9.8 0.9 2.2 3.2 In tenders, metal and plastic 51-4035 Line item 17.6 14.2 3.4 19.3 3.7 6.9 10.6 0.6 1.1 1.7 Machinists 51-4041 Line item 38.2 404.6 8.5 2.1 3.5 6.5 10 13.9 26.1 40.0 4.1 Metal-refining furnace operators, and casters 51-4051 Summary 26.2 22.8 3.4 13.1 3.3 6.4 9.7 0.8 11.6 2.4 Metal-refining furnace operators and tenders 51-4051 Line item 17.7 16.3 1.4 8.1 3.3 6.4 9.7 0.8 11.1 1.8 Pourers and casters, metal and plastic 51-4062 Summary 57 8.4 1.3 1.3 3.7 6.9 10.6 0.3 0.6 1.1 1.8 Model makers and patarmankers, metal and plastic 51-4061 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10 13.9 26.1 40.0 4.1 Model makers, metal and plastic 51-4061 Line item 53.5 6.5 10 13.9 26.1 40.0 4.1 Model makers, metal and plastic 51-4061 Line item 53.5 6.5 10 10.6 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.6 0.8 10.0 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.6 0.0 0.0 0.0 0.0 0.0 Model makers, metal and plastic 51-4062 Line item 53.5 6.8 10.8 10.8 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.8 Model makers, metal and plastic 51-4062 Line item 53.5 6.8 10.8 Model makers, metal and plastic 51-4070 Summary 51.9 13.1 1.2 Model makers, metal and plastic 51-4071 Model makers 11.1 1.1 Model makers, metal and plastic 51-4072 Line item 53.5 Model makers, metal and plastic 51-4072 Line item 53.5 Model makers, metal and plastic 51-4072 Line item 53.6 Model makers, metal and plastic 51-4072 Line item 53.6	tenders, metal and plastic	51-4032	Line item	12.3	9.9	-2.4	-19.4	3.7	6.9	10.6	0.4	0.8	1.2	0.
Setters, operators, and tenders, metal and plastic Lahe and turning machine tool setters, operators, and tenders, metal and plastic 51-4034 Line item 37 30.8 2.8 8.4 2.9 6.8 9.8 0.9 2.2 3.2 In tenders, metal and plastic 51-4035 Line item 17.6 14.2 3.4 19.3 3.7 6.9 10.6 0.6 1.1 1.7 Machinists 51-4041 Line item 38.2 404.6 8.5 2.1 3.5 6.5 10 13.9 26.1 40.0 4.1 Metal-refining furnace operators, and casters 51-4051 Summary 26.2 22.8 3.4 13.1 3.3 6.4 9.7 0.8 11.6 2.4 Metal-refining furnace operators and tenders 51-4051 Line item 17.7 16.3 1.4 8.1 3.3 6.4 9.7 0.8 11.1 1.8 Pourers and casters, metal and plastic 51-4062 Summary 57 8.4 1.3 1.3 3.7 6.9 10.6 0.3 0.6 1.1 1.8 Model makers and patarmankers, metal and plastic 51-4061 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10 13.9 26.1 40.0 4.1 Model makers, metal and plastic 51-4061 Line item 53.5 6.5 10 13.9 26.1 40.0 4.1 Model makers, metal and plastic 51-4061 Line item 53.5 6.5 10 10.6 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.6 0.8 10.0 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.6 0.0 0.0 0.0 0.0 0.0 Model makers, metal and plastic 51-4062 Line item 53.5 6.8 10.8 10.8 Model makers, metal and plastic 51-4061 Line item 53.5 6.8 10.8 Model makers, metal and plastic 51-4062 Line item 53.5 6.8 10.8 Model makers, metal and plastic 51-4070 Summary 51.9 13.1 1.2 Model makers, metal and plastic 51-4071 Model makers 11.1 1.1 Model makers, metal and plastic 51-4072 Line item 53.5 Model makers, metal and plastic 51-4072 Line item 53.5 Model makers, metal and plastic 51-4072 Line item 53.6 Model makers, metal and plastic 51-4072 Line item 53.6	Grinding, lapping, polishing, and buffing machine tool													
Lathe and turning machine tool setters, operators, and tenders, metal and plastic 51-4034 Line item 17.6 14.2 -3.4 -19.3 3.7 6.9 10.6 0.6 1.1 1.7 1.7 1.2 1.3 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3		51-4033	Line item	76.2	68.5	-7.6	-10.0	3.5	7.0	10.5	2.5	5.1	7.6	6.
tenders, metal and plastic 51-4034 Line Item 17,6 14,2 3.4 -19,3 3,7 0.8 9,8 0.9 0.9 2.2 3.2 1.5 14,041 Line Item 17,6 14,2 3.4 -19,3 3,7 0.8 0.6 0.6 1.1 1,7 1.5 14,041 Line Item 19,6 2.2 2.8 3.4 1.9 3,3 7,6 9,9 10,6 0.6 1.1 1,7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5												***		
Enders, metal and plastic S1-4035 Line item 17.6 14.2 3.4 -19.3 3.7 6.9 10.6 0.6 1.1 1.7	•	E4 4004	1 : :	20.7	20.0	0.0	0.4				0.0		0.0	
Machinists														
Metal furnace operators, tenders, pourers, and casters 51-4050	tenders, metal and plastic	51-4035	Line item							10.6				
Metal-refining furnace operators and tenders 51-4052 Line Item 8.4 6.5 2.0 2.34 3.3 6.4 9.7 0.6 1.1 1.6 1.6 Pourers and casters, metal 51-4052 Line Item 8.4 6.5 2.0 2.34 3.3 6.4 9.7 0.2 0.5 0.7 Model makers and patternmakers, metal and plastic 51-4060 Summary 9.7 8.4 -1.3 -13.3 3.7 6.9 10.6 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line Item 6.3 5.5 -0.8 -12.2 3.7 6.9 10.6 0.1 0.2 0.4 0.6 Patternmakers, metal and plastic 51-4062 Line Item 6.3 5.5 -0.8 -12.2 3.7 6.9 10.6 0.1 0.2 0.3 0.6 Henders, metal and plastic 51-4062 Line Item 5.4 2.9 -0.5 -15.5 3.7 6.9 10.6 0.1 0.2 0.3 0.6 Henders, metal and plastic 51-4071 Line Item 15.5 9.5 3.0 -24.0 3.7 7.6 11.2 5.3 11.0 16.3 1.1 Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line Item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 1.2 Holding, soldering, and brazing workers 51-4112 Line Item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 1.2 Holding, soldering, and brazing workers 51-4120 Line Item 72.5 67.2 -5.3 7.3 3.9 5.4 9.3 2.7 3.8 6.5 4.8 4.5 Weldgers, culturs, solderers, and brazers 51-4121 Line Item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 12.3 36.1 48.4 5.5 Miscellaneous metal workers and plastic 51-4191 Line Item 49.2 44.2 5.1 10.3 2.7 7.8 10.5 12.3 36.4 4.9 4.9 Henders, metal and plastic 51-4192 Line Item 49.2 44.2 5.1 10.3 2.7 7.8 10.5 12.3 36.4 4.9	Machinists	51-4041	Line item	396.2	404.6	8.5	2.1	3.5	6.5	10	13.9	26.1	40.0	40.
Metal-refining furnace operators and tenders 51-4052 Line Item 8.4 6.5 2.0 2.34 3.3 6.4 9.7 0.6 1.1 1.6 1.6 Pourers and casters, metal 51-4052 Line Item 8.4 6.5 2.0 2.34 3.3 6.4 9.7 0.2 0.5 0.7 Model makers and patternmakers, metal and plastic 51-4060 Summary 9.7 8.4 -1.3 -13.3 3.7 6.9 10.6 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line Item 6.3 5.5 -0.8 -12.2 3.7 6.9 10.6 0.1 0.2 0.4 0.6 Patternmakers, metal and plastic 51-4062 Line Item 6.3 5.5 -0.8 -12.2 3.7 6.9 10.6 0.1 0.2 0.3 0.6 Henders, metal and plastic 51-4062 Line Item 5.4 2.9 -0.5 -15.5 3.7 6.9 10.6 0.1 0.2 0.3 0.6 Henders, metal and plastic 51-4071 Line Item 15.5 9.5 3.0 -24.0 3.7 7.6 11.2 5.3 11.0 16.3 1.1 Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line Item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 Tool and die makers 51-4110 Line Item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 Welding, soldering, and brazing workers 51-4120 Line Item 72.5 67.2 -5.3 7.3 3.9 5.4 9.3 2.7 3.8 6.5 4.6 Welders, cutters, solderers, and brazers 51-4121 Line Item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 12.3 36.1 48.4 5.6 Miscellaneous metal workers and plastic 51-4191 Line Item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 43.6 4.9 Miscellaneous metal workers and plastic 51-4192 Line Item 49.2 44.2 5.1 10.3 2.7 7.8 10.5 12.3 36.4 4.9 Henders, metal and plastic 51-4193 Line Item 49.2 44.2 5.1 10.3 2.7 7.8 10.5 12.3 36.4 4.9 Henders, metal and plastic 51-4193 Line Item 49.2 44.2 5.1 10.3 2.7 7.8 10.5 12.3 36.4 4.9 Henders, metal and plastic 51-4193 Line Item 58.3 30.4 4.9 13.8 2.5	Metal furnace operators, tenders, pourers, and casters	51-4050	Summary	26.2	22.8	-3.4	-13.1	3.3	6.4	9.7	0.8	1.6	2.4	2.
Pourers and casters, metal 51-4052 Line item 8.4 6.5 -2.0 23.4 3.3 6.4 9.7 0.2 0.5 0.7 Model makers, metal and plastic 51-4060 Summary 9.7 8.4 -1.3 -13.3 3.7 6.9 10.6 0.3 0.6 1.0 Patternmakers, metal and plastic 51-4061 Line item 6.3 5.5 -0.8 -1.2 3.7 6.9 10.6 0.2 0.4 0.6 0.6 Patternmakers, metal and plastic 51-4062 Line item 3.4 2.9 -0.5 -15.5 3.7 6.9 10.6 0.1 0.2 0.3 0.6 1.0 Patternmakers, metal and plastic 51-4062 Line item 3.4 2.9 -0.5 -15.5 3.7 6.9 10.6 0.1 0.2 0.3 0.6 1.0 Patternmakers, metal and plastic 51-4070 Summary 157.9 133.1 -24.8 -15.7 3.7 7.6 11.2 5.3 11.0 16.3 11.1 Foundry mold and coremakers 51-4071 Line item 12.5 9.5 -3.0 -24.0 3.7 7.6 11.2 0.4 0.8 1.2 Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 11.2 and plastic 51-4081 Line item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 11.2 Welding, soldering, and brazing workers 51-4112 Line item 17.8 114.7 -3.1 -2.6 3.7 6.9 10.6 4.3 8.0 12.4 11.2 Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 5.5 Welders, cutters, solderers, and brazers 51-4121 Line item 40.8 427.0 22.2 5.5 2.7 7.8 10.5 12.3 36.1 48.4 5.4 4.5 4.														
Model makers and patternmakers, metal and plastic 51-4060 Summary 9.7 8.4 -1.3 -13.3 3.7 6.9 10.6 0.3 0.6 1.0 Model makers, metal and plastic 51-4061 Line item 6.3 5.5 -0.8 -12.2 3.7 6.9 10.6 0.2 0.4 0.6 0.1 0.2 0.3 0.6 0.2 0.4 0.6 0.1 0.2 0.3 0.6 0.2 0.4 0.6 0.1 0.2 0.3 0.6 0.0 0.6 0.1 0.2 0.3 0.6 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.6 0.0 0.0 0.0 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0														
Model makers, metal and plastic 51-4061 Line item 6.3 5.5 -0.8 -1.2 3.7 6.9 10.6 0.2 0.4 0.6 1.0		_												
Patternmakers, metal and plastic 51-4062 Line item 3.4 2.9 -0.5 -15.5 3.7 6.9 10.6 0.1 0.2 0.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_												
tenders, metal and plastic 51-4070 Summary 157.9 133.1 -24.8 -15.7 3.7 7.6 11.2 5.3 11.0 16.3 11. Foundry mold and coremakers 51-4071 Line item 12.5 9.5 -3.0 -24.0 3.7 7.6 11.2 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Model makers, metal and plastic	51-4061	Line item	6.3	5.5	-0.8	-12.2	3.7	6.9	10.6	0.2	0.4	0.6	0.
tenders, metal and plastic 51-4070 Summary 157.9 133.1 -24.8 -15.7 3.7 7.6 11.2 5.3 11.0 16.3 11. Foundry mold and coremakers 51-4071 Line item 12.5 9.5 -3.0 -24.0 3.7 7.6 11.2 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.8 1.2 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Patternmakers, metal and plastic	51-4062	Line item	3.4	2.9	-0.5	-15.5	3.7	6.9	10.6	0.1	0.2	0.3	0.
Foundry mold and coremakers 51-4071 Line item 12.5 9.5 -3.0 -24.0 3.7 7.6 11.2 0.4 0.8 1.2 Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 12. and plastic 51-4081 Line item 117.8 114.7 -3.1 -2.6 3.7 6.9 10.6 4.3 8.0 12.4 11. Tool and die makers 51-4111 Line item 72.5 67.2 -5.3 -7.3 3.9 5.4 9.3 2.7 3.8 6.5 Welding, soldering, and brazing workers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 12.3 36.1 48.4 56 48.4 operators, and tenders 51-4122 Line item 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 43.6 4.9 Miscellaneous metal workers and plastic 51-4190 Summary 96.7 86.6 -10.2 -10.5 3.2 7.3 10.5 2.9 6.7 9.6 3.0 Miscellaneous metal workers and plastic 51-4191 Line item 19.8 17.0 -2.8 -14.1 3.7 6.9 10.6 0.3 0.6 0.9 0.9 0.9 0.8 1.4 19.2 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.3 0.6 0.9 0.9 0.9 0.8 1.4 19.2 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 33.6 23.0 21.4 1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 2.4 2.4 2.4 2.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	tenders, metal and plastic	51-4070	Summary	157.9		-24 8	-15.7	3.7	7.6	11 2	5.3	11.0	16.3	
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic 51-4072 Line item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 12.1 12.1 12.1 12.1 12.1 12.1 12	,													
operators, and tenders, metal and plastic 51-4072 Line item 145.4 123.6 -21.8 -15.0 3.7 7.6 11.2 4.9 10.2 15.1 11.2 and plastic 51-4081 Line item 117.8 114.7 -3.1 -2.6 3.7 6.9 10.6 4.3 8.0 12.4 11.2 Tool and die makers 51-4111 Line item 72.5 67.2 -5.3 -7.3 3.9 5.4 9.3 2.7 3.8 6.5 Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 55 Welders, cutters, solderers, and brazers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 43.6 49 operators, and tenders 51-4122 Line item 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 1.2 3.6 4.9 Miscellaneous metal workers and plastic workers 51-4190 Summary 96.7 86.6 -10.2 -10.5 3.2 7.3 10.5 2.9 6.7 9.6 1.2 3.6 4.9 Layout workers, metal and plastic 51-4191 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.7 1.3 2.0 Layout workers, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.3 0.6 0.9 1.1 Metal workers and plastic workers 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 5.1 Metal workers and plastic workers 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 5.1 Metal workers and plastic workers 51-5110 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 5.1 Metal workers and plastic workers 51-5110 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.1 11.8 16.3 28.0 2.9 Printing press operators 51-5112 Line item 74.7 16.2 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 2.9 Printing press operators 51-5112 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 Metal workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 Metal workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 Metal workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 Metal workers 51-5111 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 Metal workers 51-5111 Line item 54.0 47.9 -6.1 -11.3		31-4071	Line item	12.5	9.5	-3.0	-24.0	3.1	7.0	11.2	0.4	0.0	1.2	0.
and plastic 51-4081 Line item 117.8 114.7 -3.1 -2.6 3.7 6.9 10.6 4.3 8.0 12.4 12. Tool and die makers 51-4111 Line item 72.5 67.2 -5.3 -7.3 3.9 5.4 9.3 2.7 3.8 6.5 6.5 6.2 Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 56 Welders, cutters, solderers, and brazers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 43.6 49 operators, and tenders 51-4122 Line item 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 43.6 4.9 Miscellaneous metal workers and plastic workers 51-4191 Line item 49.8 17.0 -2.8 -14.1 3.7 6.9 10.6 0.7 1.3 2.0 Enders, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.7 1.3 2.0 Enders, metal and plastic 51-4193 Line item 35.3 30.4 4.9 13.8 2.5 7.3 9.9 0.8 2.4 3.2 5.1 Tool grinders, filers, and sharpeners 51-4199 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5		1	I					ĺ						
Tool and die makers 51-4111 Line item 72.5 67.2 -5.3 -7.3 3.9 5.4 9.3 2.7 3.8 6.5 Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 56 Welders, cutters, solderers, and brazers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 48.6 49.0 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 12.3 36.4 49 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.2 44.2 -5.1 -10.3 2.7 7	operators, and tenders, metal and plastic	51-4072												
Tool and die makers 51-4111 Line item 72.5 67.2 -5.3 -7.3 3.9 5.4 9.3 2.7 3.8 6.5 Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 56 Welders, cutters, solderers, and brazers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 48.6 49.0 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 12.3 36.4 49 49.0 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 48.6 49.2 44.2 -5.1 -10.3 2.7 7	and plastic	51-4081	Line item	117.8	114.7	-3.1	-2.6	3.7	6.9	10.6	4.3	8.0	12.4	12.
Welding, soldering, and brazing workers 51-4120 Summary 454.0 471.2 17.2 3.8 2.7 7.8 10.5 12.3 36.1 48.4 56 Welders, cutters, solderers, and brazers 51-4121 Line item 404.8 427.0 22.2 5.5 2.7 7.8 10.5 11.1 32.5 43.6 48.4 operators, and tenders 51-4122 Line item 49.2 44.2 -5.1 -10.3 2.7 7.8 10.5 11.1 32.5 43.6 48.9 Miscellaneous metal workers and plastic workers 51-4190 Summary 96.7 86.6 -10.2 -10.5 3.2 7.3 10.5 2.9 6.7 9.6 7.8 10.5 12.3 3.6 4.9 4.9 44.2 -5.1 -10.3 2.7 7.8 10.5 12.2 3.6 4.9 4.9 4.8 4.9 4.9 4.8 4.9 4.9 4.8 4.9 4.9 4.8 4.9 4.9 4.8														
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Miscellaneous metal workers and plastic workers 51-4190 Summary 96.7 86.6 -10.2 -10.5 3.2 7.3 10.5 2.9 6.7 9.6 4.7 metal and plastic 51-4191 Line item 19.8 17.0 -2.8 -14.1 3.7 6.9 10.6 0.7 1.3 2.0 Layout workers, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.3 0.6 0.9 0.6 tenders, metal and plastic 51-4193 Line item 35.3 30.4 -4.9 -13.8 2.5 7.3 9.9 0.8 2.4 3.2 3.2 3.2 7.3 9.9 0.8 2.4 3.2 3.2 3.0 9.3 12.2 0.3 0.6 0.9 1.1 3.2 3.2 3.2 3.3 3.2 3.7 6.9 10.6 0.3 0.6 0.9 1.1 3.2 3.2 3.2 3.3 3.2		51-4122	Line item		44.2		-10.3							
metal and plastic 51-4191 Line item 19.8 17.0 -2.8 -14.1 3.7 6.9 10.6 0.7 1.3 2.0 Layout workers, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.3 0.6 0.9 0.6 tenders, metal and plastic 51-4193 Line item 35.3 30.4 -4.9 -13.8 2.5 7.3 9.9 0.8 2.4 3.2 </td <td>Miscellaneous metal workers and plastic workers</td> <td>51-4190</td> <td>Summary</td> <td>96.7</td> <td>86.6</td> <td>-10.2</td> <td>-10.5</td> <td>3.2</td> <td>7.3</td> <td>10.5</td> <td>2.9</td> <td>6.7</td> <td>9.6</td> <td>8.</td>	Miscellaneous metal workers and plastic workers	51-4190	Summary	96.7	86.6	-10.2	-10.5	3.2	7.3	10.5	2.9	6.7	9.6	8.
Layout workers, metal and plastic 51-4192 Line item 9.2 8.5 -0.6 -6.8 3.7 6.9 10.6 0.3 0.6 0.9 tenders, metal and plastic 51-4193 Line item 35.3 30.4 -4.9 -13.8 2.5 7.3 9.9 0.8 2.4 3.2 7.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0		_												1.
tenders, metal and plastic 51-4193 Line item 35.3 30.4 -4.9 -13.8 2.5 7.3 9.9 0.8 2.4 3.2 7.00 grinders, filers, and sharpeners 51-4194 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 Printing workers 51-5110 Summary 267.3 237.9 -29.4 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.7 1.3 2.4 3.7 Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 11. Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0														
Tool grinders, filers, and sharpeners 51-4194 Line item 9.5 9.2 -0.3 -3.5 3.0 9.3 12.2 0.3 0.9 1.1 Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 2.4 2.7 2.7 1.1 11.8 16.3 28.0 2.8 2.2 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 2.8 2.2 -11.0 4.2 7.6 11.7 1.3 2.4 3.7 3.7 3.9 6.5 10.4 6.4 11.1 11.8 16.3 28.0 28.0 -2.4 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 2.8 -10.0 4.2 7.6 11.7 1.3 2.4 3.7 3.7 3.7 6.5 10.4 6.6 11.1 17.7 10 1.0 1.0 4.2 7.6 11													0.8	0.
Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 2.4 Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 28.0 Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.7 1.3 2.4 3.7 Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 10 Printing press operators 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7														2.
Metal workers and plastic workers, all other 51-4199 Line item 23.0 21.4 -1.5 -6.6 3.7 6.9 10.6 0.8 1.5 2.4 2.4 Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 28.0 Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.7 1.3 2.4 3.7 Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 10 Printing press operators 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7	Tool grinders, filers, and sharpeners	51-4194	Line item	9.5	9.2	-0.3	-3.5	3.0	9.3	12.2	0.3	0.9		1.
Printing workers 51-5100 Summary 267.3 237.9 -29.4 -11.0 4.7 6.4 11.1 11.8 16.3 28.0 28.0 Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.7 1.3 2.4 3.7 3.7 Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 10 Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7	Metal workers and plastic workers, all other	51-4199	Line item	23.0	21.4	-1.5	-6.6			10.6	0.8	1.5		
Prepress technicians and workers 51-5111 Line item 34.6 28.0 -6.6 -19.0 4.2 7.6 11.7 1.3 2.4 3.7 3.7 Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 10 Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7		_												
Printing press operators 51-5112 Line item 178.7 162.0 -16.8 -9.4 3.9 6.5 10.4 6.6 11.1 17.7 10.7 Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7		_	_											
Print binding and finishing workers 51-5113 Line item 54.0 47.9 -6.1 -11.3 7.6 5.5 13.1 3.9 2.8 6.7 (_												
	Print binding and finishing workers	51-5113	Line item											
	Textile, apparel, and furnishings workers	51-6000	Summary	654.3	612.0	-42.3	-6.5	6.2			39.4	37.1	76.5	72.

Laundry and dry-cleaning workers	51-6011	Line item	220.1	219.3	-0.7	-0.3	6.7	6.7	13.4	14.7	14.8	29.5	29.4
Pressers, textile, garment, and related materials	51-6021	Line item	45.0	42.0	-3.0	-6.7	6.0	6.6	12.6	2.6	2.9	5.5	5.2
Sewing machine operators	51-6031	Line item	153.9	132.0	-21.9	-14.2	5.7	4.8		8.1	6.9	15.0	12.8
Shoe and leather workers	51-6040	Summary	14.6	14.1	-0.6	-4.0		5.3		0.7	0.8	1.4	
Shoe and leather workers and repairers	51-6041	Line item	11.0	10.7	-0.3	-2.5		4.8		0.5			
Shoe machine operators and tenders	51-6042	Line item	3.6	3.3	-0.3	-8.5		6.7		0.2	0.3	0.4	
			57.7		-0.3						2.1	7.2	7.1
Tailors, dressmakers, and sewers	51-6050	Summary		57.1		-1.2		3.7		5.1			
Sewers, hand	51-6051	Line item	13.5	12.9	-0.5	-4.0		3.7		1.2			1.6
Tailors, dressmakers, and custom sewers	51-6052	Line item	44.3	44.1	-0.1	-0.3	8.8	3.7		3.9			
Textile machine setters, operators, and tenders	51-6060	Summary	79.3	65.9	-13.4	-16.9	5.8	6.3		4.2	4.6		7.4
tenders	51-6061	Line item	11.3	9.4	-1.9	-17.0	5.3	6.7		0.5	0.7	1.2	1.0
Textile cutting machine setters, operators, and tenders	51-6062	Line item	15.0	12.6	-2.4	-15.8	6.8	6.8	13.6	0.9	0.9	1.9	1.6
and tenders	51-6063	Line item	22.2	18.1	-4.1	-18.3	5.6	6.9	12.4	1.1	1.4	2.5	2.1
Textile winding, twisting, and drawing out machine setters,													
operators, and tenders	51-6064	Line item	30.8	25.8	-5.0	-16.3	5.6	5.4	11.1	1.6	1.5	3.1	2.6
Miscellaneous textile, apparel, and furnishings workers	51-6090	Summary	83.7	81.7	-2.0	-2.4	4.8	6.2		4.0		9.1	8.9
Extruding and forming machine setters, operators, and	0.0000	Cummary	00.7	01.7	2.0		1.0	0.2	· · ·	1.0	0.1	0.1	0.0
tenders, synthetic and glass fibers	51-6091	Line item	20.2	18.5	-1.7	-8.5	5.3	6.7	11.9	1.0	1.3	2.3	2.1
Fabric and apparel patternmakers	51-6092	Line item	5.5	4.7	-0.8	-15.0		6.7		0.3		0.6	
Upholsterers	51-6093	Line item	41.6	42.7	1.0	2.5		5.8		1.8		4.3	
Textile, apparel, and furnishings workers, all other	51-6099	Line item	16.3	15.8	-0.5	-3.0		6.7		0.8		1.9	
Woodworkers	51-7000	Summary	279.3	285.1	5.9	2.1	4.5	6.1		12.6	17.2	29.8	30.4
Cabinetmakers and bench carpenters	51-7011	Line item	109.3	113.0	3.7	3.4	4.7	5.5		5.2	6.2	11.3	11.7
Furniture finishers	51-7021	Line item	22.4	22.9	0.6	2.5	5.6	3.6	9.1	1.3	0.8	2.1	2.1
Model makers and patternmakers, wood	51-7030	Summary	3.7	3.8	0.1	3.8	5.9	4.8	10.8	0.2	0.2	0.4	0.4
Model makers, wood	51-7031	Line item	1.9	2.0	0.1	3.6	5.9	4.8	10.8	0.1	0.1	0.2	0.2
Patternmakers, wood	51-7032	Line item	1.8	1.8	0.1	3.9		4.8	10.8	0.1	0.1	0.2	0.2
Woodworking machine setters, operators, and tenders	51-7040	Summary	131.9	132.8	1.0	0.7	3.9	7.1		5.2		14.6	
Sawing machine setters, operators, and tenders, wood	51-7041	Line item	54.8	55.2	0.4	0.8		7.4		2.2	4.1	6.3	
except sawing	51-7042	Line item	77.1	77.6	0.4	0.7	3.8	7.0		3.0		8.3	
Woodworkers, all other	51-7042	Line item	12.1	12.6	0.5	4.1	5.9	4.8		0.7	0.6		
			314.0	309.7				6.4					27.8
Plant and system operators	51-8000	Summary			-4.3	-1.4	2.6					28.2	
Power plant operators, distributors, and dispatchers	51-8010	Summary	54.7	54.2	-0.6	-1.0		6.1		1.3		4.7	
Nuclear power reactor operators	51-8011	Line item	7.0	6.3	-0.7	-10.2	2.5	6.1		0.2	0.4	0.6	
Power distributors and dispatchers	51-8012	Line item	11.6	11.3	-0.3	-2.5		6.1	8.6	0.3	0.7	1.0	
Power plant operators	51-8013	Line item	36.1	36.5	0.5	1.3		6.1	8.6	0.9		3.1	
Stationary engineers and boiler operators	51-8021	Line item	35.7	37.4	1.7	4.8	3.2	7.0	10.3	1.2	2.6	3.8	
Water and wastewater treatment plant and system operators	51-8031	Line item	119.2	115.4	-3.8	-3.2	2.8	5.3	8.2	3.3	6.2	9.6	9.2
Miscellaneous plant and system operators	51-8090	Summary	104.4	102.7	-1.7	-1.6	2.3	7.5	9.8	2.4	7.8	10.2	10.0
Chemical plant and system operators	51-8091	Line item	33.2	30.1	-3.1	-9.2	2.3	7.5	9.8	0.7	2.4	3.1	2.8
Gas plant operators	51-8092	Line item	17.3	17.3	0.0	0.0	2.3	7.5		0.4			1.7
and gaugers	51-8093	Line item	41.8	43.0	1.2	2.8		7.5					
Plant and system operators, all other	51-8099	Line item	12.1	12.4	0.2	1.9				0.3			
Other production occupations	51-9000	Summary	2,623.7	2,609.5	-14.2	-0.5		7.6			199.8	310.6	
					-14.2	-2.9		7.8				12.7	12.3
tenders	51-9010	Summary	121.3	117.7						3.3			
Chemical equipment operators and tenders	51-9011	Line item	74.1	70.4	-3.6	-4.9	2.7	7.8	10.6	2.0	5.7	7.6	7.3
Separating, filtering, clarifying, precipitating, and still													
machine setters, operators, and tenders	51-9012	Line item	47.2	47.3	0.1	0.2	2.7	7.8		1.3		5.0	
Crushing, grinding, polishing, mixing, and blending workers	51-9020	Summary	187.7	176.2	-11.5	-6.1	3.6	7.5		6.6			19.0
operators, and tenders	51-9021	Line item	30.2	28.2	-2.0	-6.7	3.6	7.5	11.1	1.1	2.2	3.2	3.0
Grinding and polishing workers, hand	51-9022	Line item	26.6	21.1	-5.4	-20.5	3.6	7.5	11.1	0.9	1.8	2.6	2.1
tenders	51-9023	Line item	131.0	126.9	-4.1	-3.1	3.6	7.5	11.1	4.6	9.7	14.3	
Cutting workers	51-9030	Summary	78.3	74.3	-4.0	-5.1	3.6	7.6	11.2	2.8	5.8	8.6	
Cutters and trimmers, hand	51-9031	Line item	14.7	13.2	-1.5	-10.0				0.5		1.6	
tenders	51-9032	Line item	63.6	61.1	-2.5	-3.9				2.3			
Extruding, forming, pressing, and compacting machine	010002	Line item	00.0	01.1	2.0	0.0	0.0	7.0		2.0	1.0	7.0	0.0
setters, operators, and tenders	51-9041	Line item	71.4	67.5	-3.8	E 4	2.0	9 ^	11 0	27	FG	0 0	7.0
Furnace, kiln, oven, drier, and kettle operators and tenders			21.9	20.8	-3.0 -1.1	-5.4 -5.0		8.0 5.5		2.7 0.9		8.3 2.1	7.9 2.0
	51-9051	Line item											2.0
Inspectors, testers, sorters, samplers, and weighers	51-9061	Line item	520.7	465.2	-55.5	-10.7	4.2	7.7				58.2	52.7
Jewelers and precious stone and metal workers	51-9071	Line item	37.7	36.5	-1.2	-3.1	6.0	4.4		2.2			
Medical, dental, and ophthalmic laboratory technicians	51-9080	Summary	82.2	93.2	11.0	13.4	4.3	6.7				9.6	
Dental laboratory technicians	51-9081	Line item	38.1	43.7	5.5	14.5		6.7		1.8		4.5	
Medical appliance technicians	51-9082	Line item	15.0	17.0	2.0	13.7				0.7		1.8	
Ophthalmic laboratory technicians	51-9083	Line item	29.1	32.5	3.5	11.9	4.3	6.7	11	1.3	2.0	3.4	

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Packaging and filling machine operators and tenders	51-9111	Line item	383.0	389.7	6.7		4.7			18.3	25.7	43.9	44.6
Painting workers	51-9120	Summary	164.2	168.6	4.3		2.9			4.7	12.4	17.2	17.6
operators, and tenders	51-9121	Line item	89.9	90.1	0.2		2.9			2.6	6.7	9.3	9.3
Painters, transportation equipment	51-9122	Line item	58.1	62.0	4.0		2.9			1.7	4.5	6.2	6.6
Painting, coating, and decorating workers	51-9123	Line item	16.3	16.5	0.2	1.1	2.9	7.5	10.3	0.5	1.2	1.7	1.7
Semiconductor processors	51-9141	Line item	25.5	24.2			3.9		11.2	1.0	1.8	2.8	2.7
operators	51-9151	Line item	26.9	21.9	-4.9	-18.4	5.2	10.3	15.5	1.3	2.5	3.8	3.3
Miscellaneous production workers	51-9190	Summary	902.8	953.4	50.6	5.6	4.6	8.2	12.9	42.9	76.5	119.5	124.5
Adhesive bonding machine operators and tenders	51-9191	Line item	17.0	16.6	-0.5	-2.7	4.7	6.1	10.8	0.8	1.0	1.8	1.8
operators and tenders	51-9192	Line item	17.2	17.3	0.1	0.4	4.6	8.2	12.8	0.8	1.4	2.2	2.2
Cooling and freezing equipment operators and tenders	51-9193	Line item	8.7	8.8	0.2	1.9	3.9	7.3	11.2	0.3	0.6	1.0	1.0
Etchers and engravers	51-9194	Line item	10.6	10.7	0.1	1.0	6.1	5.8	11.9	0.6	0.6	1.3	1.3
Molders, shapers, and casters, except metal and plastic	51-9195	Line item	43.0	42.5	-0.4	-1.0	3.8	6.2	10	1.6	2.6	4.3	4.2
Paper goods machine setters, operators, and tenders	51-9196	Line item	94.6	86.1	-8.5	-9.0	3.6	6.5	10.1	3.3	5.9	9.2	8.3
Tire builders	51-9197	Line item	22.3	19.6	-2.7		3.2			0.7	1.7	2.3	2.1
Helpersproduction workers	51-9198	Line item	426.0	475.5	49.5	11.6	5.4	9.5	14.9	24.2	42.9	67.1	72.0
Production workers, all other	51-9199	Line item	263.5	276.3	12.8		3.9			10.6	19.7	30.3	31.6
Transportation and material moving occupations	53-0000	Summary	10,274.2	10,918.1	643.9		4.9			518.8	751.7	1,270.5	1,334.8
Supervisors of transportation and material moving workers	53-1000	Summary	396.2	425.9	29.7		3.2			13.2	28.3	41.5	44.4
Aircraft cargo handling supervisors	53-1011	Line item	7.6	8.1	0.5		3.2			0.3	0.5	0.8	0.8
movers, hand	53-1021	Line item	184.4	200.1	15.7		3.2			6.2	13.2	19.4	21.0
First-line supervisors of transportation and material-moving	1					5.0	3.2	3.0		5.2			21.0
machine and vehicle operators	53-1031	Line item	204.2	217.7	13.6	6.6	3.2	6.9	10.1	6.8	14.5	21.3	22.6
Air transportation workers	53-2000	Summary	275.3	293.2	18.0		3.8			10.7	17.1	27.8	29.6
Aircraft pilots and flight engineers	53-2000	Summary	124.8	129.2	4.4		2.8			3.5	8.1	11.7	12.1
Airline pilots, copilots, and flight engineers	53-2011	Line item	84.0	86.9	2.9		2.8			2.4	5.5	7.8	8.1
Commercial pilots	53-2011	Line item	40.8	42.3	1.5		2.8			1.2	2.7	3.8	4.0
Air traffic controllers and airfield operations specialists	53-2012	Summary	33.8	35.5	1.6		3.2			1.1	2.0	3.2	3.3
Air traffic controllers Air traffic controllers	53-2020	Line item	24.9	25.8			3.2			0.8	1.5	2.3	2.4
	53-2021		8.9	9.7			3.2			0.8	0.5	0.8	0.9
Airfield operations specialists	_	Line item											
Flight attendants	53-2031	Line item	116.6	128.5	11.9		4.9			6.1	6.9	13.0	14.2
Motor vehicle operators	53-3000	Summary	4,358.9	4,598.8	239.9		5.0			225.4	258.7	484.2	508.1
medical technicians	53-3011	Line item	17.3	21.1	3.8		6.1			1.2	1.5	2.7	3.1
Bus drivers	53-3020	Summary	687.2	729.6	42.5		7.8			55.6	28.9	84.5	88.7
Bus drivers, transit and intercity	53-3021	Line item	179.3	195.1	15.9		7.8			14.7	7.6	22.3	23.9
Bus drivers, school or special client	53-3022	Line item	507.9	534.5	26.6		7.8			40.9	21.3	62.2	64.8
Driver/sales workers and truck drivers	53-3030	Summary	3,293.1	3,466.2	173.1		4.2			143.3	212.3	355.6	372.9
Driver/sales workers	53-3031	Line item	467.9	462.4	-5.5		4.2			19.7	29.2	48.9	48.4
Heavy and tractor-trailer truck drivers	53-3032	Line item	1,871.7	1,985.5	113.8		4.2			81.8	121.2	202.9	214.3
Light truck or delivery services drivers	53-3033	Line item	953.5	1,018.3	64.8		4.2			41.8	61.9	103.7	110.2
Taxi drivers and chauffeurs	53-3041	Line item	305.1	319.9	14.7		5.9			18.6	12.6	31.2	32.7
Motor vehicle operators, all other	53-3099	Line item	56.2	62.0	5.8		11.6			6.8	3.3	10.1	10.7
Rail transportation workers	53-4000	Summary	122.9	120.6	-2.3		2.5			3.1	7.5	10.6	10.4
Locomotive engineers and operators	53-4010	Summary	44.4	42.5	-1.8		2.4			1.0	2.4	3.5	3.3
Locomotive engineers	53-4011	Line item	38.8	37.7	-1.1		2.4	5.6	8	0.9	2.1	3.1	3.0
Locomotive firers	53-4012	Line item	1.2	0.3	-0.9		2.4			0.0	0.0	0.1	0.0
Rail yard engineers, dinkey operators, and hostlers	53-4013	Line item	4.4	4.6	0.2	3.7	2.4	5.6	8	0.1	0.3	0.4	0.4
Railroad brake, signal, and switch operators	53-4021	Line item	19.3	19.0	-0.3	-1.6	2.4	6.7	9.1	0.5	1.3	1.7	1.7
Railroad conductors and yardmasters	53-4031	Line item	41.8	41.0	-0.9	-2.1	2.4	6.7	9.1	1.0	2.8	3.8	3.7
Subway and streetcar operators	53-4041	Line item	12.8	13.4	0.5	4.1	3.3	6.0	9.2	0.4	0.8	1.2	1.3
Rail transportation workers, all other	53-4099	Line item	4.6	4.8	0.1	3.2	3.3	6.0	9.2	0.2	0.3	0.4	0.4
Water transportation workers	53-5000	Summary	86.3	93.2	6.9	8.0	3.7			3.3	6.5	9.8	10.5
Sailors and marine oilers	53-5011	Line item	33.8	36.4	2.6		4.0			1.4	2.8	4.1	4.4
Ship and boat captains and operators	53-5020	Summary	42.4	46.1	3.7		3.4			1.5	3.0	4.4	4.8
Captains, mates, and pilots of water vessels	53-5021	Line item	38.8	42.2			3.4			1.4	2.7	4.1	4.4
Motorboat operators	53-5022	Line item	3.6				3.4			0.1	0.2	0.4	0.4
Ship engineers	53-5031	Line item	10.1	10.8			4.0			0.4	0.8	1.2	1.3
Other transportation workers	53-6000	Summary	356.5	384.4	27.9		5.4			20.2	32.5	52.7	55.4
Bridge and lock tenders	53-6011	Line item	3.7	3.8			4.3			0.2	0.3	0.4	0.4
Parking lot attendants	53-6021	Line item	151.6	160.6	9.0		5.9			9.2	13.8	22.9	23.8
Automotive and watercraft service attendants	53-6031	Line item	110.0	121.7	11.7		5.4			6.2	12.6	18.9	20.0
Traffic technicians	53-6041	Line item	6.6	7.2	0.6		4.3			0.3	0.5	0.8	0.8
Transportation inspectors	53-6051	Line item	28.2	29.8	1.7		3.5			1.0	1.7	2.7	2.9
Transportation attendants, except flight attendants	53-6061	Line item	18.5				8.4			1.6	0.9	2.7	2.7
rransportation attenuants, except hight attenuants	JJ-0001	FILE IGIII	10.5	20.0	1.0	0.4	0.4	4.7	10.1	1.0	0.9	۷.۵	2.1

Transportation workers, all other	53-6099	Line item	38.0	41.2	3.1	8.3	4.3	6.9	11.2	1.7	2.7	4.4	4.8
Material moving workers	53-7000	Summary	4,678.0	5,001.9	323.9	6.9	5.0	8.3	13.3	242.9	401.0	643.9	676.3
Conveyor operators and tenders	53-7011	Line item	28.1	27.7	-0.3	-1.2	5.0	8.3	13.3	1.4	2.3	3.7	3.7
Crane and tower operators	53-7021	Line item	46.0	50.0	4.0	8.6	3.3	7.0	10.3	1.6	3.4	4.9	5.3
Dredge, excavating, and loading machine operators	53-7030	Summary	55.1	59.3	4.3	7.8	3.7	7.2	10.8	2.1	4.1	6.2	6.6
Dredge operators	53-7031	Line item	1.8	1.9	0.1	5.3	3.7	7.2	10.8	0.1	0.1	0.2	0.2
Excavating and loading machine and dragline operators	53-7032	Line item	50.6	54.9	4.3	8.4	3.7	7.2	10.8	1.9	3.8	5.7	6.1
Loading machine operators, underground mining	53-7033	Line item	2.6	2.5	-0.1	-3.2	3.7	7.2	10.8	0.1	0.2	0.3	0.3
Hoist and winch operators	53-7041	Line item	2.9	2.9	0.0	-0.7	5.0	8.3	13.3	0.1	0.2	0.4	0.4
Industrial truck and tractor operators	53-7051	Line item	549.9	586.1	36.2	6.6	3.5	7.5	11	19.8	42.5	62.3	65.9
Laborers and material movers, hand	53-7060	Summary	3,796.0	4,051.3	255.3	6.7	5.3	8.5	13.8	208.6	332.7	541.3	566.9
Cleaners of vehicles and equipment	53-7061	Line item	369.2	409.1	39.9	10.8	5.2	8.7	13.8	20.1	33.8	53.8	57.8
Laborers and freight, stock, and material movers, hand	53-7062	Line item	2,628.4	2,829.2	200.8	7.6	5.0	8.6	13.5	135.2	233.3	368.5	388.6
Machine feeders and offbearers	53-7063	Line item	87.7	89.3	1.6	1.8	5.4	8.0	13.4	4.8	7.1	11.9	12.0
Packers and packagers, hand	53-7064	Line item	710.8	723.8	13.0	1.8	6.8	8.2	14.9	48.6	58.5	107.1	108.4
Pumping station operators	53-7070	Summary	27.3	31.6	4.3	15.6	3.6	8.3	11.9	1.1	2.4	3.5	3.9
Gas compressor and gas pumping station operators	53-7071	Line item	3.9	4.0	0.1	3.3	3.6	8.3	11.9	0.1	0.3	0.5	0.5
Pump operators, except wellhead pumpers	53-7072	Line item	11.9	13.5	1.6	13.8	3.6	8.3	11.9	0.5	1.1	1.5	1.7
Wellhead pumpers	53-7073	Line item	11.5	14.0	2.5	21.7	3.6	8.3	11.9	0.5	1.1	1.5	1.8
Refuse and recyclable material collectors	53-7081	Line item	136.0	153.6	17.7	13.0	4.5	7.3	11.8	6.6	10.6	17.1	18.9
Mine shuttle car operators	53-7111	Line item	1.5	1.2	-0.3	-21.9	4.4	7.3	11.8	0.1	0.1	0.2	0.1
Tank car, truck, and ship loaders	53-7121	Line item	10.8	11.4	0.6	5.2	4.4	7.3	11.8	0.5	0.8	1.3	1.4
Material moving workers, all other	53-7199	Line item	24.4	26.7	2.3	9.3	4.4	7.3	11.8	1.1	1.9	3.0	3.2

Source: Employment Projections program, U.S. Bureau of Labor Statistics

Table 1.11 Educational attainment for workers 25 years and older by detailed occupation, 2015-16

Table 1.11 Educational attainment for workers 25	, our o urra or	Less than	High school					Doctoral or
		high school	diploma or	college, no	Associate's	Bachelor's	Master's	profession
2016 National Employment Matrix title and	code	diploma	equivalent	degree	degree	degree	degree	al degree
Total, all occupations	00-0000	8.6	23.9	21.0	9.4	22.8	9.9	4.2
Chief executives ⁽¹⁾	11-1011	1.5	9.0	14.7	5.4	39.8	22.3	7.4
General and operations managers	11-1021	2.6	17.1	25.4	9.4	33.0	11.1	1.5
Legislators ⁽¹⁾	11-1031	1.5	9.0	14.7	5.4	39.8	22.3	7.4
Advertising and promotions managers	11-2011	0.7	5.0	11.1	4.4	62.7	13.3	2.8
Marketing managers ⁽¹⁾	11-2021	0.9	7.4	15.7	6.5	50.5	17.4	1.6
Sales managers ⁽¹⁾	11-2022	0.9	7.4	15.7	6.5	50.5	17.4	1.6
Public relations and fundraising managers	11-2031	0.2			2.8		25.5	3.8
Administrative services managers	11-3011	2.1	17.9		12.1	29.7	10.3	1.7
Computer and information systems managers	11-3021	0.4	4.0	14.0	7.7	46.1	25.2	2.6
Financial managers	11-3031	1.1	10.0	17.6	7.9	41.2	19.7	2.5
Industrial production managers	11-3051	4.7	21.6	21.2	8.5	31.0	11.9	1.1
Purchasing managers	11-3061	0.8	10.8	19.2	7.7	39.9	18.5	3.1
Transportation, storage, and distribution managers	11-3071	5.4	28.7	28.3	8.4	22.5	6.3	0.4
Compensation and benefits managers	11-3111	0.2	7.4	13.7	8.4	47.2	22.8	0.4
Human resources managers	11-3121	2.5	11.3	18.4	8.3	36.9	19.8	2.9
Training and development managers	11-3131	0.5	6.1	15.9	10.4	39.8	23.0	4.3
Farmers, ranchers, and other agricultural managers	11-9013	11.6		19.6	9.5	20.1	3.0	1.1
Construction managers	11-9021	6.9	25.3	24.5	8.4	28.2	5.8	0.8
center/program ⁽¹⁾	11-9031	0.9	5.0	7.5	4.9	24.1	43.7	13.9
school ⁽¹⁾	11-9032	0.9	5.0	7.5	4.9	24.1	43.7	13.9
Education administrators, postsecondary ⁽¹⁾	11-9033	0.9	5.0	7.5	4.9	24.1	43.7	13.9
Education administrators, all other ⁽¹⁾	11-9039	0.9	5.0	7.5	4.9	24.1	43.7	13.9
Architectural and engineering managers	11-9041	0.8	3.5	6.9	4.2	45.1	33.8	5.8
Food service managers	11-9051	8.9	28.3	27.4	9.7	21.4	3.7	0.6
Funeral service managers ⁽¹⁾	11-9061	2.8	13.8	18.6	7.5	36.0	17.7	3.6
Gaming managers	11-9071	4.7	24.0	33.5	11.6	19.0	6.6	0.7
Lodging managers	11-9081	3.0	16.9	26.3	10.6	33.6	8.0	1.5
Medical and health services managers	11-9111	1.3	8.0	15.9	11.9	30.6	24.3	8.1
Natural sciences managers	11-9121	0.9	1.2	3.4	3.0	33.2	34.7	23.7
Postmasters and mail superintendents ⁽¹⁾	11-9131	2.8	13.8	18.6	7.5	36.0	17.7	3.6
managers	11-9141	4.4	18.4	25.8	9.0	31.0	9.3	2.2
Social and community service managers	11-9151	0.9	7.3	13.9	5.5	38.3	28.6	5.5
Emergency management directors	11-9161	0.0	3.6	22.3	10.8	40.0	22.4	0.9
Managers, all other ⁽¹⁾	11-9199	2.8	13.8	18.6	7.5	36.0	17.7	3.6
performers, and athletes	13-1011	2.1	11.1	23.1	5.4	43.1	10.1	5.1
Buyers and purchasing agents, farm products	13-1021	10.4	32.6	18.1	6.8	27.3	2.8	2.1
Wholesale and retail buyers, except farm products	13-1022	4.4	24.2	25.3	9.3	31.7	4.1	0.9
farm products	13-1023	1.6	16.8	24.6	10.8	36.2	8.9	1.1

Claims adjusters, examiners, and investigators ⁽¹⁾	13-1031	1.1	14.8	23.8	10.6	40.2	7.3	2.2
Insurance appraisers, auto damage ⁽¹⁾	13-1032	1.1	14.8	23.8	10.6	40.2	7.3	2.2
Compliance officers	13-1041	1.1	7.9	18.1	8.4	40.4	17.1	7.0
Cost estimators	13-1051	2.7	23.1	27.7	11.6	29.9	4.4	0.6
Human resources specialists ⁽¹⁾	13-1071	1.6	9.8	18.5	8.5	43.5	16.0	2.1
Farm labor contractors ⁽¹⁾	13-1074	1.6	9.8	18.5	8.5	43.5	16.0	2.1
Labor relations specialists ⁽¹⁾	13-1075	1.6	9.8	18.5	8.5	43.5	16.0	2.1
Logisticians	13-1081	1.8	14.5	26.6	12.8	33.1	10.4	0.8
Management analysts	13-1111	0.7	4.8	11.5	4.7	42.3	28.7	7.3
Meeting, convention, and event planners	13-1121	1.9	10.3	18.0	6.9	49.4	12.1	1.3
Fundraisers	13-1131	0.8	3.4	6.8	2.6	55.5	26.4	4.6
Compensation, benefits, and job analysis specialists	13-1141	0.8	10.5	22.1	10.7	40.8	14.1	1.1
Training and development specialists	13-1151	1.9	11.4	21.6	10.1	35.0	18.2	1.9
Market research analysts and marketing specialists	13-1161	0.7	3.8	9.4	5.3	54.3	23.4	3.1
Business operations specialists, all other	13-1199	1.5	9.2	15.9	7.6	41.1	20.1	4.6
Accountants and auditors	13-2011	0.0	4.0	7.6	9.2	55.6	20.8	2.8
Appraisers and assessors of real estate	13-2021	0.7	11.2	24.8	9.6	42.8	9.0	2.0
Budget analysts	13-2031	0.4	6.4	13.0	7.0	42.6	26.4	4.2
Credit analysts	13-2041	0.4	8.6	21.1	7.9	45.1	15.9	0.9
Financial analysts	13-2051	0.5	2.6	6.0	3.5	50.8	33.2	3.4
Personal financial advisors	13-2052	0.3	3.9	10.7	5.0	51.8	22.8	5.6
Insurance underwriters	13-2053	0.6	13.3	19.3	8.7	46.5	9.1	2.5
Financial examiners	13-2061	0.0	4.9	6.4	6.7	58.8	21.4	1.8
Credit counselors ⁽¹⁾	13-2071	1.1	14.3	24.4	9.7	40.1	9.0	1.3
Loan officers ⁽¹⁾	13-2072	1.1	14.3	24.4	9.7	40.1	9.0	1.3
Tax examiners and collectors, and revenue agents	13-2081	1.5	16.1	25.0	9.2	36.5	11.2	0.6
Tax preparers	13-2082	1.3	11.6	21.0	10.0	35.2	15.4	5.5
Financial specialists, all other	13-2099	1.9	11.8	17.4	8.4	38.3	19.5	2.7
Computer and information research scientists	15-1111	0.4	4.9	2.5	0.3	34.8	33.0	24.0
Computer systems analysts	15-1121	0.5	4.6	13.4	7.8	47.4	23.4	2.9
Information security analysts	15-1122	0.7	4.5	16.8	10.4	42.9	22.4	2.3
Computer programmers	15-1131	0.6	4.6	12.9	8.7	50.9	19.7	2.8
Software developers, applications ⁽¹⁾	15-1132	0.4	2.1	8.2	4.8	50.3	30.3	3.9
Software developers, systems software ⁽¹⁾	15-1133	0.4	2.1	8.2	4.8	50.3	30.3	3.9
Web developers	15-1134	0.6	4.8	15.5	9.7	54.0	13.8	1.6
Database administrators	15-1141	0.7	5.7	12.5	8.8	45.1	24.2	3.0
Network and computer systems administrators	15-1142	0.4	7.2	23.3	15.1	40.7	12.0	1.2
Computer network architects	15-1143	0.5	5.8	22.3	12.7	40.0	16.9	1.8
Computer user support specialists ⁽¹⁾	15-1151	0.6	8.9	25.3	16.0	37.4	10.5	1.2
Computer network support specialists ⁽¹⁾	15-1152	0.6	8.9	25.3	16.0	37.4	10.5	1.2
Computer occupations, all other	15-1199	0.8	7.5	20.6	14.7	39.2	15.7	1.4
Actuaries	15-2011	0.0	0.0	1.2	1.5	62.1	24.9	10.3
Mathematicians ⁽¹⁾	15-2021	0.0	0.0	4.1	2.3	30.2	40.6	22.8
Operations research analysts	15-2031	0.4	5.8	13.3	6.2	41.1	28.4	4.7
Statisticians ⁽¹⁾	15-2041	0.0	0.0	4.1	2.3	30.2	40.6	22.8
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Mathematical technicians ⁽¹⁾	15-2091	0.0	0.0	4.1	2.3	30.2	40.6	22.8
Mathematical science occupations, all other ⁽¹⁾	15-2099	0.0	0.0	4.1	2.3	30.2	40.6	22.8
Architects, except landscape and naval ⁽¹⁾	17-1011	0.2	1.5	4.1	2.8	48.8	35.2	7.4
Landscape architects ⁽¹⁾	17-1012	0.2	1.5	4.1	2.8	48.8	35.2	7.4
Cartographers and photogrammetrists ⁽¹⁾	17-1021	0.9	4.3	8.9	6.3	65.8	11.0	2.8
Surveyors ⁽¹⁾	17-1022	0.9	4.3	8.9	6.3	65.8	11.0	2.8
Aerospace engineers	17-2011	0.7	1.8	6.7	4.6	49.1	31.9	5.3
Agricultural engineers ⁽¹⁾	17-2021	0.0	2.6	3.6	16.3	43.7	25.8	8.1
Biomedical engineers ⁽¹⁾	17-2031	0.0	2.6	3.6	16.3	43.7	25.8	8.1
Chemical engineers	17-2041	0.1	2.4	3.5	3.5	56.6	25.2	8.7
Civil engineers	17-2051	0.5	3.3	5.7	5.1	55.2	26.1	4.0
Computer hardware engineers	17-2061	0.2	4.9	11.5	7.4	47.4	24.0	4.7
Electrical engineers ⁽¹⁾	17-2071	0.7	3.2	8.5	8.1	49.3	24.1	6.1
Electronics engineers, except computer ⁽¹⁾	17-2072	0.7	3.2	8.5	8.1	49.3	24.1	6.1
Environmental engineers	17-2081	0.2	4.5	4.6	3.5	47.2	34.4	5.5
engineers and inspectors ⁽¹⁾	17-2111	0.7	7.0	12.5	8.6	50.8	18.4	2.1
Industrial engineers ⁽¹⁾	17-2112	0.7	7.0	12.5	8.6	50.8	18.4	2.1
Marine engineers and naval architects	17-2121	2.1	6.2	7.7	8.9	53.1	20.2	1.8
Materials engineers	17-2131	0.6	5.9	12.0	8.5	45.0	20.9	7.1
Mechanical engineers	17-2141	0.8	3.8	9.1	9.8	51.9	21.1	3.5
safety engineers ⁽¹⁾	17-2151	0.3	5.2	7.6	2.9	54.8	24.5	4.6
Nuclear engineers ⁽¹⁾	17-2161	0.4	2.9	7.8	6.9	47.9	26.9	7.2
Petroleum engineers ⁽¹⁾	17-2171	0.3	5.2	7.6	2.9	54.8	24.5	4.6
Engineers, all other ⁽¹⁾	17-2199	0.4	2.9	7.8	6.9	47.9	26.9	7.2
Architectural and civil drafters ⁽¹⁾	17-3011	0.8	11.1	28.0	32.8	22.8	3.9	0.6
Electrical and electronics drafters ⁽¹⁾	17-3012	0.8	11.1	28.0	32.8	22.8	3.9	0.6
Mechanical drafters ⁽¹⁾	17-3013	0.8	11.1	28.0	32.8	22.8	3.9	0.6
Drafters, all other ⁽¹⁾	17-3019	0.8	11.1	28.0	32.8	22.8	3.9	0.6
Aerospace engineering and operations technicians ⁽¹⁾	17-3021	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Civil engineering technicians ⁽¹⁾	17-3022	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Electrical and electronics engineering technicians ⁽¹⁾	17-3023	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Electro-mechanical technicians ⁽¹⁾	17-3024	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Environmental engineering technicians ⁽¹⁾	17-3025	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Industrial engineering technicians ⁽¹⁾	17-3026	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Mechanical engineering technicians ⁽¹⁾	17-3027	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Engineering technicians, except drafters, all other (1)	17-3029	3.5	22.4	31.0	22.6	17.1	2.9	0.6
Surveying and mapping technicians	17-3031	5.9	28.8	38.1	20.9	5.3	0.8	0.3
Animal scientists ⁽¹⁾	19-1011	0.0	0.0	0.0	0.0	53.5	30.0	16.5
Food scientists and technologists ⁽¹⁾	19-1012	0.0	0.0	0.0	0.0	53.5	30.0	16.5
Soil and plant scientists ⁽¹⁾	19-1013	0.0	0.0	0.0	0.0	53.5	30.0	16.5
Biochemists and biophysicists ⁽¹⁾	19-1021	0.0	0.0	0.0	0.0	47.5	31.4	21.0
Microbiologists ⁽¹⁾	19-1022	0.0	0.0	0.0	0.0	47.5	31.4	21.0
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Zoologists and wildlife biologists ⁽¹⁾	19-1023	0.0	0.0	0.0	0.0	47.5	31.4	21.0
Biological scientists, all other ⁽¹⁾	19-1029	0.0	0.0	0.0	0.0	47.5	31.4	21.0
Conservation scientists ⁽¹⁾	19-1031	0.0	0.0	0.0	0.0	76.5	18.8	4.7
Foresters ⁽¹⁾	19-1032	0.0	0.0	0.0	0.0	76.5	18.8	4.7
Epidemiologists ⁽¹⁾	19-1041	0.3	0.6	0.3	0.6	21.7	23.1	53.5
Medical scientists, except epidemiologists ⁽¹⁾	19-1042	0.3	0.6	0.3	0.6	21.7	23.1	53.5
Life scientists, all other ⁽¹⁾	19-1099	0.3	0.6	0.3	0.6	21.7	23.1	53.5
Astronomers ⁽¹⁾	19-2011	0.0	0.0	0.0	0.0	18.1	27.7	54.1
Physicists ⁽¹⁾	19-2012	0.0	0.0	0.0	0.0	18.1	27.7	54.1
Atmospheric and space scientists	19-2021	0.0	1.9	4.4	2.7	45.0	27.5	18.5
Chemists ⁽¹⁾	19-2031	0.5	2.0	2.7	1.2	53.0	21.7	18.8
Materials scientists ⁽¹⁾	19-2032	0.5	2.0	2.7	1.2	53.0	21.7	18.8
health ⁽¹⁾	19-2041	0.0	0.0	0.0	0.0	52.4	36.3	11.3
geographers ⁽¹⁾	19-2042	0.0	0.0	0.0	0.0	52.4	36.3	11.3
Hydrologists ⁽¹⁾	19-2043	0.0	0.0	0.0	0.0	52.4	36.3	11.3
Physical scientists, all other	19-2099	0.0	0.0	0.0	0.0	27.1	23.3	49.6
Economists	19-3011	0.0	0.0	0.0	0.0	23.2	44.8	32.0
Survey researchers ⁽¹⁾	19-3022	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Clinical, counseling, and school psychologists ⁽¹⁾	19-3031	0.0	0.0	0.0	0.0	6.8	42.7	50.5
Industrial-organizational psychologists ⁽¹⁾	19-3032	0.0	0.0	0.0	0.0	6.8	42.7	50.5
Psychologists, all other ⁽¹⁾	19-3039	0.0	0.0	0.0	0.0	6.8	42.7	50.5
Sociologists ⁽¹⁾	19-3041	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Urban and regional planners	19-3051	1.4	1.0	6.4	1.5	36.8	48.2	4.7
Anthropologists and archeologists ⁽¹⁾	19-3091	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Geographers ⁽¹⁾	19-3092	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Historians ⁽¹⁾	19-3093	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Political scientists ⁽¹⁾	19-3094	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Social scientists and related workers, all other ⁽¹⁾	19-3099	0.0	3.0	5.5	2.4	35.6	38.7	14.9
Agricultural and food science technicians	19-4011	8.3	22.3	25.0	13.7	24.8	4.1	1.8
Biological technicians	19-4021	5.7	14.1	18.9	16.4	31.1	8.7	5.1
Chemical technicians	19-4031	2.9 3.4	22.1 22.4	25.8 21.9	14.7 16.8	25.6 26.0	5.2 6.4	3.7
Geological and petroleum technicians ⁽¹⁾	19-4041							
Nuclear technicians ⁽¹⁾	19-4051	3.4	22.4	21.9	16.8	26.0	6.4	3.0
Social science research assistants ⁽¹⁾	19-4061	3.2	15.0	21.0	13.5	32.3	11.5	3.5
including health ⁽¹⁾	19-4091	3.2	15.0	21.0	13.5	32.3	11.5	3.5
Forensic science technicians ⁽¹⁾	19-4092	3.2	15.0	21.0	13.5	32.3	11.5	3.5
Forest and conservation technicians ⁽¹⁾	19-4093	3.2	15.0	21.0	13.5	32.3	11.5	3.5
other ⁽¹⁾	19-4099	3.2	15.0	21.0	13.5	32.3	11.5	3.5
counselors ⁽¹⁾	21-1011	1.1	5.1	8.3	5.0	25.1	50.4	5.0
counselors ⁽¹⁾	21-1012	1.1	5.1	8.3	5.0	25.1	50.4	5.0
Marriage and family therapists ⁽¹⁾	21-1013	1.1	5.1	8.3	5.0	25.1	50.4	5.0

Mental health counselors ⁽¹⁾	21-1014	1.1	5.1	8.3	5.0	25.1	50.4	5.0
Rehabilitation counselors ⁽¹⁾	21-1015	1.1	5.1	8.3	5.0	25.1	50.4	5.0
Counselors, all other ⁽¹⁾	21-1019	1.1	5.1	8.3	5.0	25.1	50.4	5.0
Child, family, and school social workers ⁽¹⁾	21-1021	1.1	5.8	9.4	6.0	40.8	35.1	1.8
Healthcare social workers ⁽¹⁾	21-1022	1.1	5.8	9.4	6.0	40.8	35.1	1.8
Mental health and substance abuse social workers (1)	21-1023	1.1	5.8	9.4	6.0	40.8	35.1	1.8
Social workers, all other ⁽¹⁾	21-1029	1.1	5.8	9.4	6.0	40.8	35.1	1.8
Health educators ⁽¹⁾	21-1091	2.9	12.7	20.9	7.9	33.3	19.6	2.7
specialists	21-1092	0.7	5.7	11.7	5.0	57.6	18.1	1.1
Social and human service assistants	21-1093	2.6	15.3	25.0	10.6	31.8	13.0	1.7
Community health workers ⁽¹⁾	21-1094	2.9	12.7	20.9	7.9	33.3	19.6	2.7
Community and social service specialists, all other ⁽¹⁾	21-1099	2.9	12.7	20.9	7.9	33.3	19.6	2.7
Clergy	21-2011	2.7	6.6	11.3	4.3	25.3	35.1	14.7
Directors, religious activities and education	21-2021	1.0	9.7	15.4	6.5	36.2	25.6	5.7
Religious workers, all other	21-2099	1.9	11.3	19.7	7.4	34.7	19.4	5.6
Lawyers ⁽¹⁾	23-1011	0.2	0.4	0.6	0.5	5.0	4.4	88.9
Judicial law clerks	23-1012	0.1	0.5	5.1	3.0	13.7	2.2	75.4
officers ⁽¹⁾	23-1021	0.2	0.4	0.6	0.5	5.0	4.4	88.9
Arbitrators, mediators, and conciliators ⁽¹⁾	23-1022	0.2	0.4	0.6	0.5	5.0	4.4	88.9
Judges, magistrate judges, and magistrates ⁽¹⁾	23-1023	0.2	0.4	0.6	0.5	5.0	4.4	88.9
Paralegals and legal assistants	23-2011	1.0	10.6	24.1	20.0	34.9	6.2	3.2
Court reporters ⁽¹⁾	23-2091	1.6	16.9	25.9	13.5	29.5	7.8	4.8
Title examiners, abstractors, and searchers ⁽¹⁾	23-2093	1.6	16.9	25.9	13.5	29.5	7.8	4.8
Legal support workers, all other ⁽¹⁾	23-2099	1.6	16.9	25.9	13.5	29.5	7.8	4.8
Business teachers, postsecondary ⁽¹⁾	25-1011	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Computer science teachers, postsecondary ⁽¹⁾	25-1021	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Mathematical science teachers, postsecondary ⁽¹⁾	25-1022	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Architecture teachers, postsecondary ⁽¹⁾	25-1031	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Engineering teachers, postsecondary ⁽¹⁾	25-1032	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Agricultural sciences teachers, postsecondary ⁽¹⁾	25-1041	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Biological science teachers, postsecondary ⁽¹⁾	25-1042	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1043	0.5	1.3	2.5	2.2	16.6	33.2	43.8
teachers, postsecondary ⁽¹⁾	25-1051	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Chemistry teachers, postsecondary ⁽¹⁾	25-1052	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Environmental science teachers, postsecondary ⁽¹⁾	25-1053	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Physics teachers, postsecondary ⁽¹⁾	25-1054	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1061	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1062	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Economics teachers, postsecondary ⁽¹⁾	25-1062	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Geography teachers, postsecondary ⁽¹⁾	25-1063	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Political science teachers, postsecondary ⁽¹⁾		0.5	1.3	2.5	2.2	16.6	33.2	43.8
r unitioal science teachers, postsecondary	25-1065	0.3	1.3	2.3	۷.۷	10.0	JJ.Z	45.0

Psychology teachers, postsecondary ⁽¹⁾	25-1066	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Sociology teachers, postsecondary ⁽¹⁾	25-1067	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Social sciences teachers, postsecondary, all other ⁽¹⁾	25-1069	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Health specialties teachers, postsecondary ⁽¹⁾	25-1071	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Nursing instructors and teachers, postsecondary ⁽¹⁾	25-1072	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Education teachers, postsecondary ⁽¹⁾	25-1081	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Library science teachers, postsecondary ⁽¹⁾	25-1082	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1111	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Law teachers, postsecondary ⁽¹⁾	25-1112	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Social work teachers, postsecondary ⁽¹⁾	25-1113	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Art, drama, and music teachers, postsecondary ⁽¹⁾	25-1121	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Communications teachers, postsecondary ⁽¹⁾	25-1122	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1123	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1124	0.5	1.3	2.5	2.2	16.6	33.2	43.8
History teachers, postsecondary ⁽¹⁾	25-1125	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Philosophy and religion teachers, postsecondary ⁽¹⁾	25-1126	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Graduate teaching assistants ⁽¹⁾	25-1191	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Home economics teachers, postsecondary ⁽¹⁾	25-1192	0.5	1.3	2.5	2.2	16.6	33.2	43.8
postsecondary ⁽¹⁾	25-1193	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Vocational education teachers, postsecondary ⁽¹⁾	25-1194	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Postsecondary teachers, all other ⁽¹⁾	25-1199	0.5	1.3	2.5	2.2	16.6	33.2	43.8
Preschool teachers, except special education ⁽¹⁾	25-2011	1.7	12.4	23.1	15.7	33.8	12.4	0.9
Kindergarten teachers, except special education ⁽¹⁾	25-2012	1.7	12.4	23.1	15.7	33.8	12.4	0.9
education ⁽¹⁾	25-2021	0.0	0.0	3.0	2.1	44.0	46.9	4.1
career/technical education ⁽¹⁾	25-2022	0.0	0.0	3.0	2.1	44.0	46.9	4.1
school ⁽¹⁾	25-2023	0.0	0.0	3.0	2.1	44.0	46.9	4.1
career/technical education ⁽¹⁾	25-2031	0.0	0.0	3.0	1.5	41.8	49.1	4.6
school ⁽¹⁾	25-2032	0.0	0.0	3.0	1.5	41.8	49.1	4.6
Special education teachers, preschool ⁽¹⁾	25-2051	0.5	3.4	7.1	4.2	35.1	46.6	3.0
elementary school ⁽¹⁾	25-2052	0.5	3.4	7.1	4.2	35.1	46.6	3.0
Special education teachers, middle school ⁽¹⁾	25-2053	0.5	3.4	7.1	4.2	35.1	46.6	3.0
Special education teachers, secondary school ⁽¹⁾	25-2054	0.5	3.4	7.1	4.2	35.1	46.6	3.0
Special education teachers, all other ⁽¹⁾	25-2059	0.5	3.4	7.1	4.2	35.1	46.6	3.0
teachers and instructors ⁽¹⁾	25-3011	1.8	10.2	18.4	8.5	35.9	20.5	4.7
Self-enrichment education teachers ⁽¹⁾	25-3021	1.8	10.2	18.4	8.5	35.9	20.5	4.7
Teachers and instructors, all other ⁽¹⁾	25-3099	1.8	10.2	18.4	8.5	35.9	20.5	4.7
Archivists ⁽¹⁾	25-4011	0.6	5.5	8.5	3.7	30.8	42.7	8.3
Curators ⁽¹⁾	25-4012	0.6	5.5	8.5	3.7	30.8	42.7	8.3
Museum technicians and conservators ⁽¹⁾	25-4013	0.6	5.5	8.5	3.7	30.8	42.7	8.3
Librarians	25-4021	0.2	1.9	8.4	4.5	23.3	56.8	4.9
Library technicians	25-4031	3.1	31.6	17.8	9.8	24.3	12.2	1.2

Audio-visual and multimedia collections specialists ⁽¹⁾	25-9011	0.4	5.0	7.2	4.7	30.3	42.9	9.5
Farm and home management advisors ⁽¹⁾	25-9021	0.4	5.0	7.2	4.7	30.3	42.9	9.5
Instructional coordinators ⁽¹⁾	25-9031	0.4	5.0	7.2	4.7	30.3	42.9	9.5
Teacher assistants	25-9041	4.3	29.3	26.2	14.5	21.1	4.2	0.6
Education, training, and library workers, all other (1)	25-9099	0.4	5.0	7.2	4.7	30.3	42.9	9.5
Art directors ⁽¹⁾	27-1011	2.5	11.3	18.7	8.4	46.4	11.3	1.4
Craft artists ⁽¹⁾	27-1012	2.5	11.3	18.7	8.4	46.4	11.3	1.4
illustrators ⁽¹⁾	27-1013	2.5	11.3	18.7	8.4	46.4	11.3	1.4
Multimedia artists and animators ⁽¹⁾	27-1014	2.5	11.3	18.7	8.4	46.4	11.3	1.4
Artists and related workers, all other ⁽¹⁾	27-1019	2.5	11.3	18.7	8.4	46.4	11.3	1.4
Commercial and industrial designers ⁽¹⁾	27-1021	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Fashion designers ⁽¹⁾	27-1022	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Floral designers ⁽¹⁾	27-1023	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Graphic designers ⁽¹⁾	27-1024	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Interior designers ⁽¹⁾	27-1025	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Merchandise displayers and window trimmers ⁽¹⁾	27-1026	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Set and exhibit designers ⁽¹⁾	27-1027	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Designers, all other ⁽¹⁾	27-1029	2.3	9.5	16.7	12.5	48.2	9.3	1.5
Actors	27-2011	2.0	7.6	20.6	8.9	47.7	11.6	1.6
Producers and directors	27-2012	0.8	5.1	13.2	5.2	59.2	13.9	2.5
Athletes and sports competitors ⁽¹⁾	27-2021	1.5	10.5	18.6	7.0	41.2	19.1	2.1
Coaches and scouts ⁽¹⁾	27-2022	1.5	10.5	18.6	7.0	41.2	19.1	2.1
Umpires, referees, and other sports officials ⁽¹⁾	27-2023	1.5	10.5	18.6	7.0	41.2	19.1	2.1
Dancers ⁽¹⁾	27-2031	8.7	25.4	23.4	7.7	28.1	5.5	1.2
Choreographers ⁽¹⁾	27-2032	8.7	25.4	23.4	7.7	28.1	5.5	1.2
Music directors and composers ⁽¹⁾	27-2041	3.5	13.8	20.4	4.9	32.8	19.5	5.1
Musicians and singers ⁽¹⁾	27-2042	3.5	13.8	20.4	4.9	32.8	19.5	5.1
workers, all other	27-2099	8.5	15.6	29.6	6.3	31.4	7.1	1.5
Radio and television announcers ⁽¹⁾	27-3011	3.9	18.9	25.7	8.7	36.1	5.3	1.5
Public address system and other announcers ⁽¹⁾	27-3012	3.9	18.9	25.7	8.7	36.1	5.3	1.5
Broadcast news analysts ⁽¹⁾	27-3021	0.7	2.3	8.5	3.9	61.4	20.8	2.4
Reporters and correspondents ⁽¹⁾	27-3022	0.7	2.3	8.5	3.9	61.4	20.8	2.4
Public relations specialists	27-3031	0.8	3.4	8.8	4.0	57.2	21.9	3.9
Editors	27-3041	0.6	3.3	10.0	3.5	55.9	21.2	5.6
Technical writers	27-3042	0.4	5.3	9.8	6.3	48.9	21.8	7.5
Writers and authors	27-3043	0.8	3.1	9.6	3.7	50.5	24.1	8.2
Interpreters and translators ⁽¹⁾	27-3091	2.7	12.2	18.7	13.5	32.6	15.6	4.7
Media and communication workers, all other ⁽¹⁾	27-3099	2.7	12.2	18.7	13.5	32.6	15.6	4.7
Audio and video equipment technicians ⁽¹⁾	27-4011	1.3	17.9	29.4	16.7	30.4	3.7	0.5
Broadcast technicians ⁽¹⁾	27-4012	1.3	17.9	29.4	16.7	30.4	3.7	0.5
Radio operators ⁽¹⁾	27-4013	1.3	17.9	29.4	16.7	30.4	3.7	0.5
Sound engineering technicians ⁽¹⁾	27-4014	1.3	17.9	29.4	16.7	30.4	3.7	0.5

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Photographers	27-4021	2.2	12.0	24.1	10.5	42.1	8.0	1.1
picture ⁽¹⁾	27-4031	1.4	5.6	17.1	10.8	54.1	10.1	1.0
Film and video editors ⁽¹⁾	27-4032	1.4	5.6	17.1	10.8	54.1	10.1	1.0
other ⁽¹⁾	27-4099	1.3	17.9	29.4	16.7	30.4	3.7	0.5
Chiropractors	29-1011	0.4	0.4	0.2	0.7	5.0	2.5	90.7
Dentists, general ⁽¹⁾	29-1021	0.0	0.0	0.0	0.0	0.0	2.4	97.6
Oral and maxillofacial surgeons ⁽¹⁾	29-1022	0.0	0.0	0.0	0.0	0.0	2.4	97.6
Orthodontists ⁽¹⁾	29-1023	0.0	0.0	0.0	0.0	0.0	2.4	97.6
Prosthodontists ⁽¹⁾	29-1024	0.0	0.0	0.0	0.0	0.0	2.4	97.6
Dentists, all other specialists ⁽¹⁾	29-1029	0.0	0.0	0.0	0.0	0.0	2.4	97.6
Dietitians and nutritionists	29-1031	2.5	12.2	9.9	4.0	37.5	27.3	6.6
Optometrists	29-1041	0.0	0.0	0.0	0.0	0.0	1.9	98.1
Pharmacists	29-1051	0.0	0.0	1.2	1.2	33.8	6.4	57.4
Anesthesiologists ⁽¹⁾	29-1061	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Family and general practitioners ⁽¹⁾	29-1062	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Internists, general ⁽¹⁾	29-1063	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Obstetricians and gynecologists ⁽¹⁾	29-1064	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Pediatricians, general ⁽¹⁾	29-1065	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Psychiatrists ⁽¹⁾	29-1066	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Surgeons ⁽¹⁾	29-1067	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Physicians and surgeons, all other ⁽¹⁾	29-1069	0.2	0.3	0.0	0.0	1.7	0.7	97.1
Physician assistants	29-1071	0.4	0.6	2.2	4.5	16.5	58.6	17.2
Podiatrists	29-1081	0.0	0.0	0.0	0.0	0.0	1.7	98.3
Occupational therapists	29-1122	0.3	1.2	1.4	6.0	39.1	46.1	5.9
Physical therapists	29-1123	0.4	0.8	1.2	4.1	31.1	24.9	37.5
Radiation therapists	29-1124	0.0	2.7	8.9	31.7	45.9	8.2	2.6
Recreational therapists	29-1125	0.8	5.7	6.8	7.2	65.3	12.3	1.7
Respiratory therapists	29-1126	0.3	1.2	12.7	54.4	27.6	2.8	1.0
Speech-language pathologists	29-1127	0.3	1.1	0.6	0.9	10.3	83.5	3.4
Exercise physiologists ⁽¹⁾	29-1128	0.8	2.4	4.8	6.9	26.6	52.0	6.4
Therapists, all other ⁽¹⁾	29-1129	0.8	2.4	4.8	6.9	26.6	52.0	6.4
Veterinarians	29-1131	0.0	0.0	0.0	0.0	0.0	2.5	97.5
Registered nurses	29-1141	0.3	1.0	5.0	33.0	49.6	9.2	1.8
Nurse anesthetists	29-1151	0.2	1.1	0.4	0.3	12.3	72.9	12.7
Nurse midwives ⁽¹⁾	29-1161	0.1	0.3	0.3	0.2	6.4	78.6	14.1
Nurse practitioners ⁽¹⁾	29-1171	0.1	0.3	0.3	0.2	6.4	78.6	14.1
Audiologists	29-1181	0.0	0.9	3.1	2.3	7.9	22.5	63.5
other	29-1199	1.4	2.8	6.7	2.7	18.1	40.1	28.2
Medical and clinical laboratory technologists (1)	29-2011	1.4	10.5	20.0	19.3	39.0	7.1	2.8
Medical and clinical laboratory technicians ⁽¹⁾	29-2012	1.4	10.5	20.0	19.3	39.0	7.1	2.8
Dental hygienists	29-2021	0.4	2.2	8.1	51.5	32.8	2.4	2.5
Cardiovascular technologists and technicians ⁽¹⁾	29-2031	1.3	6.1	17.1	43.2	26.7	4.0	1.6
Diagnostic medical sonographers ⁽¹⁾	29-2032	1.3	6.1	17.1	43.2	26.7	4.0	1.6

Nuclear medicine technologists ⁽¹⁾	29-2033	1.3	6.1	17.1	43.2	26.7	4.0	1.6
Radiologic technologists ⁽¹⁾	29-2034	1.3	6.1	17.1	43.2	26.7	4.0	1.6
Magnetic resonance imaging technologists ⁽¹⁾	29-2035	1.3	6.1	17.1	43.2	26.7	4.0	1.6
Emergency medical technicians and paramedics	29-2041	0.8	12.2	44.4	22.2	17.4	2.5	0.5
Dietetic technicians ⁽¹⁾	29-2051	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Pharmacy technicians ⁽¹⁾	29-2052	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Psychiatric technicians ⁽¹⁾	29-2053	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Respiratory therapy technicians ⁽¹⁾	29-2054	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Surgical technologists ⁽¹⁾	29-2055	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Veterinary technologists and technicians ⁽¹⁾	29-2056	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Ophthalmic medical technicians ⁽¹⁾	29-2057	1.8	20.1	34.7	21.6	18.2	2.5	1.1
Licensed practical and licensed vocational nurses	29-2061	1.7	22.6	53.7	16.9	4.1	0.6	0.3
Medical records and health information technicians	29-2071	1.8	19.7	32.1	23.5	18.1	3.7	1.2
Opticians, dispensing	29-2081	2.9	24.5	32.5	18.6	18.2	1.8	1.5
Orthotists and prosthetists ⁽¹⁾	29-2091	2.5	17.1	31.9	17.1	22.3	6.4	2.7
Hearing aid specialists ⁽¹⁾	29-2092	2.5	17.1	31.9	17.1	22.3	6.4	2.7
Health technologists and technicians, all other ⁽¹⁾	29-2099	2.5	17.1	31.9	17.1	22.3	6.4	2.7
Occupational health and safety specialists ⁽¹⁾	29-9011	1.9	11.4	14.2	7.8	36.8	25.0	2.8
Occupational health and safety technicians ⁽¹⁾	29-9012	1.9	11.4	14.2	7.8	36.8	25.0	2.8
Athletic trainers ⁽¹⁾	29-9091	1.9	11.4	14.2	7.8	36.8	25.0	2.8
Genetic counselors ⁽¹⁾	29-9092	1.9	11.4	14.2	7.8	36.8	25.0	2.8
other ⁽¹⁾	29-9099	1.9	11.4	14.2	7.8	36.8	25.0	2.8
Home health aides ⁽¹⁾	31-1011	13.1	35.7	31.6	10.1	7.4	1.4	0.8
Psychiatric aides ⁽¹⁾	31-1013	13.1	35.7	31.6	10.1	7.4	1.4	0.8
Nursing assistants ⁽¹⁾	31-1014	13.1	35.7	31.6	10.1	7.4	1.4	0.8
Orderlies ⁽¹⁾	31-1015	13.1	35.7	31.6	10.1	7.4	1.4	0.8
Occupational therapy assistants ⁽¹⁾	31-2011	0.0	0.7	6.1	75.7	15.4	1.3	0.8
Occupational therapy aides ⁽¹⁾	31-2012	0.0	0.7	6.1	75.7	15.4	1.3	0.8
Physical therapist assistants ⁽¹⁾	31-2021	1.5	6.1	13.4	51.8	23.5	2.4	1.4
Physical therapist aides ⁽¹⁾	31-2022	1.5	6.1	13.4	51.8	23.5	2.4	1.4
Massage therapists	31-9011	2.9	18.8	34.5	18.3	19.6	3.9	2.0
Dental assistants	31-9091	3.2	25.3	39.7	21.3	8.4	0.7	1.5
Medical assistants	31-9092	1.9	20.2	40.0	25.6	9.6	1.6	1.1
Medical equipment preparers ⁽¹⁾	31-9093	8.6	36.9	28.0	12.0	11.4	2.2	0.9
Medical transcriptionists	31-9094	0.3	22.6	38.9	20.0	15.5	2.4	0.4
Pharmacy aides	31-9095	4.7	26.8	34.5	11.3	17.0	2.0	3.9
caretakers	31-9096	6.5	20.7	27.7	14.6	27.6	2.2	0.7
Phlebotomists (1)	31-9097	1.3	23.8	46.5	17.7	9.4	8.0	0.6
Healthcare support workers, all other ⁽¹⁾	31-9099	8.6	36.9	28.0	12.0	11.4	2.2	0.9
First-line supervisors of correctional officers First-line supervisors of police and detectives	33-1011 33-1012	0.6	26.3 10.9	32.4	15.9 17.3	19.7 29.6	4.6 11.3	0.4
workers	33-1012	0.5 0.6	11.8	29.4 36.6	21.3	23.3	5.7	1.0 0.7
all other	33-1021	2.5	19.9	30.0	11.0	25.0	9.7	2.0
un outor	00 1099	2.0	10.0	30.0	11.0	20.0	3.1	۷.۷

Firefighters	33-2011	1.1	14.9	38.0	23.1	19.9	2.6	0.4
Fire inspectors and investigators ⁽¹⁾	33-2021	1.5	22.7	30.7	20.9	20.0	3.7	0.5
Forest fire inspectors and prevention specialists ⁽¹⁾	33-2022	1.5	22.7	30.7	20.9	20.0	3.7	0.5
Bailiffs ⁽¹⁾	33-3011	1.5	30.1	36.1	14.6	15.3	2.0	0.3
Correctional officers and jailers ⁽¹⁾	33-3012	1.5	30.1	36.1	14.6	15.3	2.0	0.3
Detectives and criminal investigators	33-3021	0.8	7.1	25.3	11.5	40.9	12.3	2.2
Fish and game wardens ⁽¹⁾	33-3031	2.2	21.3	26.3	15.0	29.8	5.4	0.0
Parking enforcement workers ⁽¹⁾	33-3041	2.2	21.3	26.3	15.0	29.8	5.4	0.0
Police and sheriff's patrol officers ⁽¹⁾	33-3051	0.8	11.7	32.1	16.4	32.5	5.6	0.9
Transit and railroad police ⁽¹⁾	33-3052	0.8	11.7	32.1	16.4	32.5	5.6	0.9
Animal control workers	33-9011	1.9	28.7	43.3	10.0	13.4	2.5	0.2
Private detectives and investigators	33-9021	0.6	7.6	20.9	8.8	45.9	13.4	2.7
investigators ⁽¹⁾	33-9031	6.1	35.3	32.1	10.3	13.2	2.7	0.4
Security guards ⁽¹⁾	33-9032	6.1	35.3	32.1	10.3	13.2	2.7	0.4
Crossing guards	33-9091	15.3	44.7	23.8	8.0	6.2	1.5	0.4
protective service workers ⁽¹⁾	33-9092	3.0	18.2	26.7	11.7	33.2	6.4	0.7
Transportation security screeners	33-9093	4.0	23.2	34.1	11.5	21.4	5.4	0.4
Protective service workers, all other ⁽¹⁾	33-9099	3.0	18.2	26.7	11.7	33.2	6.4	0.7
Chefs and head cooks	35-1011	15.9	29.7	23.4	16.8	12.3	1.5	0.4
workers	35-1012	11.8	34.4	29.0	10.0	12.6	1.8	0.4
Cooks, fast food ⁽¹⁾	35-2011	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Cooks, institution and cafeteria ⁽¹⁾	35-2012	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Cooks, private household ⁽¹⁾	35-2013	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Cooks, restaurant ⁽¹⁾	35-2014	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Cooks, short order ⁽¹⁾	35-2015	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Cooks, all other ⁽¹⁾	35-2019	29.1	40.7	18.7	5.6	5.0	0.7	0.2
Food preparation workers	35-2021	26.0	37.3	20.8	6.4	7.8	1.3	0.3
Bartenders	35-3011	5.9	27.6	35.2	10.3	18.7	2.0	0.4
including fast food	35-3021	19.1	43.2	22.7	7.8	6.0	1.1	0.2
coffee shop	35-3022	22.0	38.1	23.6	6.6	8.3	1.0	0.3
Waiters and waitresses	35-3031	12.7	32.6	29.7	9.3	13.6	1.7	0.4
Food servers, nonrestaurant	35-3041	14.8	43.4	24.4	8.3	7.3	1.4	0.4
helpers ⁽¹⁾	35-9011	25.6	41.3	19.7	5.4	6.9	0.8	0.2
Dishwashers	35-9021 35-9031	42.7 11.8	38.0	11.8	3.0 6.1	3.5	0.8 3.4	0.3
shop other ⁽¹⁾			33.7	27.8		16.9 6.9		0.3
	35-9099	25.6	41.3	19.7	5.4		0.8	0.2
workers First-line supervisors of landscaping, lawn service,	37-1011	15.4	38.2	24.2	7.7	12.2	1.9	0.4
and groundskeeping workers	37-1012	18.7	27.2	23.5	10.3	18.1	1.9	0.3
housekeeping cleaners ⁽¹⁾	37-2011	25.1	44.2	19.0	5.8	4.9	0.9	0.2
Maids and housekeeping cleaners	37-2011	37.4	39.0	14.3	4.2	4.2	0.6	0.2
Building cleaning workers, all other ⁽¹⁾	37-2019	25.1	44.2	19.0	5.8	4.9	0.9	0.2
Pest control workers	37-2019	7.4	45.8	27.7	7.7	10.0	1.1	0.2
1 OOL CONTROL WOLKOLO	01 2021	7.7	70.0	41.1	1.1	10.0	1.1	0.2

Landscaping and groundskeeping workers ⁽¹⁾	37-3011	37.8	35.8	14.8	4.4	6.2	1.0	0.1
vegetation ⁽¹⁾	37-3012	37.8	35.8	14.8	4.4	6.2	1.0	0.1
Tree trimmers and pruners ⁽¹⁾	37-3013	37.8	35.8	14.8	4.4	6.2	1.0	0.1
Grounds maintenance workers, all other ⁽¹⁾	37-3019	37.8	35.8	14.8	4.4	6.2	1.0	0.1
Gaming supervisors ⁽¹⁾	39-1011	6.3	30.9	35.4	10.0	14.6	2.5	0.4
Slot supervisors ⁽¹⁾	39-1012	6.3	30.9	35.4	10.0	14.6	2.5	0.4
First-line supervisors of personal service workers	39-1021	4.1	27.4	28.8	12.7	21.7	4.1	1.1
Animal trainers	39-2011	6.2	24.4	30.7	8.8	24.7	4.1	1.1
Nonfarm animal caretakers	39-2021	8.2	32.7	27.4	10.2	17.8	2.8	1.0
Gaming dealers ⁽¹⁾	39-3011	7.9	35.6	30.6	9.3	14.1	2.2	0.4
Gaming and sports book writers and runners ⁽¹⁾	39-3012	7.9	35.6	30.6	9.3	14.1	2.2	0.4
Gaming service workers, all other ⁽¹⁾	39-3019	7.9	35.6	30.6	9.3	14.1	2.2	0.4
Motion picture projectionists	39-3021	3.3	25.2	23.7	16.1	24.4	7.4	0.0
Ushers, lobby attendants, and ticket takers	39-3031	11.0	28.0	22.1	12.8	19.5	5.5	1.1
Amusement and recreation attendants ⁽¹⁾	39-3091	8.9	28.8	28.2	8.4	20.0	5.0	0.8
Costume attendants ⁽¹⁾	39-3092	8.9	28.8	28.2	8.4	20.0	5.0	0.8
attendants ⁽¹⁾	39-3093	8.9	28.8	28.2	8.4	20.0	5.0	0.8
other ⁽¹⁾	39-3099	8.9	28.8	28.2	8.4	20.0	5.0	0.8
Embalmers ⁽¹⁾	39-4011	3.5	31.5	22.8	17.1	20.1	4.5	0.6
Funeral attendants ⁽¹⁾	39-4021	3.5	31.5	22.8	17.1	20.1	4.5	0.6
Morticians, undertakers, and funeral directors	39-4031	1.6	9.1	18.6	33.9	27.6	5.0	4.1
Barbers	39-5011	11.3	47.2	28.7	8.1	4.3	0.4	0.0
Hairdressers, hairstylists, and cosmetologists	39-5012	6.7	44.3	31.8	10.5	5.7	0.6	0.3
Makeup artists, theatrical and performance ⁽¹⁾	39-5091	22.9	37.0	21.1	7.6	9.5	1.6	0.3
Manicurists and pedicurists ⁽¹⁾	39-5092	22.9	37.0	21.1	7.6	9.5	1.6	0.3
Shampooers ⁽¹⁾	39-5093	22.9	37.0	21.1	7.6	9.5	1.6	0.3
Skincare specialists ⁽¹⁾	39-5094	22.9	37.0	21.1	7.6	9.5	1.6	0.3
Baggage porters and bellhops ⁽¹⁾	39-6011	10.6	30.9	27.5	11.6	16.7	1.9	0.9
Concierges ⁽¹⁾	39-6012	10.6	30.9	27.5	11.6	16.7	1.9	0.9
Tour guides and escorts ⁽¹⁾	39-7011	4.4	16.4	25.3	7.6	31.6	11.8	2.9
Travel guides ⁽¹⁾	39-7012	4.4	16.4	25.3	7.6	31.6	11.8	2.9
Childcare workers	39-9011	12.8	31.5	26.2	10.7	15.5	2.9	0.4
Personal care aides	39-9021	16.4	34.2	27.6	8.7	10.2	2.3	0.6
Fitness trainers and aerobics instructors ⁽¹⁾	39-9031	2.4	14.8	24.0	10.1	37.5	9.9	1.4
Recreation workers ⁽¹⁾	39-9032	2.4	14.8	24.0	10.1	37.5	9.9	1.4
Residential advisors	39-9041	3.0	18.5	30.9	13.7	24.1	9.0	0.8
Personal care and service workers, all other	39-9099	9.2	30.0	28.3	8.0	19.2	4.6	0.7
First-line supervisors of retail sales workers	41-1011	5.6	29.5	28.6	10.0	21.5	3.8	1.0
First-line supervisors of non-retail sales workers	41-1012	4.6	21.4	22.4	8.2	31.7	10.0	1.7
Cashiers ⁽¹⁾	41-2011	14.9	40.9	25.4	7.5	9.3	1.7	0.3
Gaming change persons and booth cashiers ⁽¹⁾	41-2012	14.9	40.9	25.4	7.5	9.3	1.7	0.3
Counter and rental clerks	41-2021	11.7	38.5	23.6	8.0	15.3	2.4	0.4
Parts salespersons	41-2022	8.7	46.8	28.2	9.5	5.9	0.6	0.3

Retail salespersons	41-2031	6.8	29.2	28.2	10.3	21.2	3.8	0.7
Advertising sales agents	41-3011	1.6	10.3	19.3	8.1	50.8	8.7	1.2
Insurance sales agents	41-3021	1.5	14.9	26.5	9.7	38.9	7.0	1.5
agents	41-3031	1.0	7.2	15.1	5.5	52.0	16.2	3.2
Travel agents	41-3041	2.1	18.8	29.1	14.7	28.0	6.4	0.8
Sales representatives, services, all other	41-3099	2.1	14.0	24.2	8.0	42.4	8.5	0.8
Sales representatives, wholesale and		2.0	47.0	22.5	0.5	40.0	7.0	0.0
manufacturing, technical and scientific products ⁽¹⁾	41-4011	3.0	17.3	22.5	8.5	40.6	7.3	8.0
manufacturing, except technical and scientific		3.0	17.3	22.5	8.5	40.6	7.3	0.8
products ⁽¹⁾	41-4012	3.0	17.3	22.5	0.0	40.6	7.3	0.6
Demonstrators and product promoters ⁽¹⁾	41-9011	7.6	31.1	29.9	8.2	17.7	4.4	1.0
Models ⁽¹⁾	41-9012	7.6	31.1	29.9	8.2	17.7	4.4	1.0
Real estate brokers ⁽¹⁾	41-9021	1.4	12.3	26.4	10.2	38.1	9.7	2.1
Real estate sales agents ⁽¹⁾	41-9022	1.4	12.3	26.4	10.2	38.1	9.7	2.1
Sales engineers	41-9031	0.0	4.8	14.8	9.1	57.2	13.0	1.1
Telemarketers	41-9041	6.0	30.2	33.4	10.8	16.6	2.9	0.2
vendors, and related workers	41-9091	13.0	31.1	21.6	10.0	19.3	4.1	0.9
Sales and related workers, all other	41-9099	4.1	18.8	22.1	8.7	36.8	8.2	1.2
support workers	43-1011	2.8	22.1	28.0	11.6	26.1	8.0	1.5
Switchboard operators, including answering service	43-2011	5.2	36.4	34.3	9.7	12.3	1.5	0.5
Telephone operators	43-2021	4.8	29.9	39.4	12.0	10.0	2.8	1.2
Communications equipment operators, all other	43-2099	1.7	21.6	25.5	11.5	29.7	9.3	0.6
Bill and account collectors	43-3011	4.2	29.9	33.5	13.4	16.0	2.6	0.5
Billing and posting clerks	43-3021	2.7	29.1	33.7	15.1	15.7	3.0	0.5
Bookkeeping, accounting, and auditing clerks	43-3031	3.5	27.9	37.9	10.9	16.4	3.0	0.4
Gaming cage workers	43-3041	4.0	45.6	34.9	2.8	12.7	0.0	0.0
Payroll and timekeeping clerks	43-3051	1.9	27.1	34.8	13.9	18.9	3.2	0.3
Procurement clerks	43-3061	2.0	21.1	25.9	8.9	29.3	12.1	0.6
Tellers	43-3071	2.1	35.3	33.6	12.1	15.0	1.7	0.3
Financial clerks, all other	43-3099	1.2	14.9	22.4	9.6	35.1	15.1	1.6
Brokerage clerks	43-4011	2.3	17.8	28.1	7.0	35.3	7.5	2.1
Correspondence clerks ⁽¹⁾	43-4021	9.7	32.6	27.0	10.1	17.6	2.5	0.6
Court, municipal, and license clerks	43-4031	1.9	26.4	30.2	14.7	21.1	3.6	2.1
Credit authorizers, checkers, and clerks	43-4041	1.1	25.7	29.5	14.3	23.1	6.1	0.3
Customer service representatives	43-4051	4.0	26.4	31.5	11.7	21.8	4.0	0.6
Eligibility interviewers, government programs	43-4061	1.1	11.8	26.4	13.6	37.7	8.4	1.1
File clerks	43-4071	3.8	29.7	30.8	12.7	18.2	4.0	0.8
Hotel, motel, and resort desk clerks	43-4081	6.4	30.1	30.9	11.6	18.2	2.3	0.4
Interviewers, except eligibility and loan	43-4111	2.4	21.0	32.0	14.2	22.4	6.6	1.3
Library assistants, clerical	43-4121	1.1	19.1	24.1	10.7	33.5	10.5	1.0
Loan interviewers and clerks	43-4131	1.6	23.4	37.2	11.0	23.9	2.6	0.4
New accounts clerks	43-4141	1.3	18.7	37.2	10.9	29.2	2.3	0.4
Order clerks ⁽¹⁾	43-4151	9.7	32.6	27.0	10.1	17.6	2.5	0.6
timekeeping	43-4161	2.1	21.4	34.6	11.4	22.2	7.8	0.5
Receptionists and information clerks	43-4171	4.1	32.8	34.1	12.6	13.6	2.5	0.3
travel clerks	43-4181	2.1	24.5	33.4	11.1	25.1	3.2	0.6

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Information and record clerks, all other	43-4199	2.0	18.9	29.6	14.6	25.3	8.3	1.4
Cargo and freight agents	43-5011	5.3	25.2	37.3	11.0	17.8	3.2	0.2
Couriers and messengers	43-5021	8.4	36.1	30.7	8.8	13.8	1.9	0.3
Police, fire, and ambulance dispatchers ⁽¹⁾	43-5031	4.5	32.0	35.0	11.8	14.5	2.0	0.2
Dispatchers, except police, fire, and ambulance ⁽¹⁾	43-5032	4.5	32.0	35.0	11.8	14.5	2.0	0.2
Meter readers, utilities	43-5041	2.3	40.6	35.6	10.5	9.9	1.2	0.0
Postal service clerks	43-5051	3.4	31.0	38.3	11.5	13.7	1.8	0.1
Postal service mail carriers	43-5052	2.9	34.4	35.9	12.2	12.7	1.5	0.4
processing machine operators	43-5053	4.8	30.0	35.3	11.2	16.2	2.2	0.2
Production, planning, and expediting clerks	43-5061	2.5	22.0	27.9	13.0	25.6	8.4	0.6
Shipping, receiving, and traffic clerks	43-5071	12.0	44.9	25.3	8.5	7.9	1.2	0.3
Stock clerks and order fillers	43-5081	13.4	42.7	25.6	7.5	9.1	1.4	0.3
recordkeeping	43-5111	12.2	37.3	25.1	8.8	13.0	3.2	0.4
assistants ⁽¹⁾	43-6011	2.3	27.4	32.3	14.7	19.3	3.5	0.6
Legal secretaries ⁽¹⁾	43-6012	2.3	27.4	32.3	14.7	19.3	3.5	0.6
Medical secretaries ⁽¹⁾	43-6013	2.3	27.4	32.3	14.7	19.3	3.5	0.6
Secretaries and administrative assistants, except		2.3	27.4	32.3	14.7	19.3	3.5	0.6
legal, medical, and executive ⁽¹⁾	43-6014	2.3	21.4	32.3	14.7	19.3	3.3	0.6
Computer operators	43-9011	2.6	22.6	29.6	12.7	25.3	6.4	0.9
Data entry keyers	43-9021	2.7	26.2	32.9	13.6	20.3	3.9	0.4
Word processors and typists	43-9022	2.8	28.0	32.1	14.3	18.2	3.8	0.7
Desktop publishers ⁽¹⁾	43-9031	2.1	18.5	28.4	13.1	28.5	8.2	1.2
Insurance claims and policy processing clerks	43-9041	1.7	23.8	33.7	12.0	24.3	3.8	0.7
postal service	43-9051	8.7	41.2	28.6	8.6	11.3	1.6	0.1
Office clerks, general	43-9061	3.4	28.8	31.6	13.1	18.7	3.4	0.8
Office machine operators, except computer	43-9071	8.5	38.3	26.2	10.5	13.6	2.8	0.1
Proofreaders and copy markers	43-9081	1.2	7.2	24.7	4.6	44.0	16.5	1.8
Statistical assistants	43-9111	4.9	27.3	26.6	10.9	21.2	7.9	1.2
Office and administrative support workers, all other ⁽¹⁾	43-9199	2.1	18.5	28.4	13.1	28.5	8.2	1.2
workers	45-1011	29.9	32.2	17.7	5.9	11.7	2.2	0.5
Agricultural inspectors	45-2011	9.4	18.3	20.2	13.6	32.1	4.6	1.8
Animal breeders ⁽¹⁾	45-2021	55.6	25.7	9.4	3.3	5.1	0.8	0.2
Graders and sorters, agricultural products	45-2041	55.8	28.2	10.5	2.1	2.9	0.3	0.1
Agricultural equipment operators ⁽¹⁾	45-2091	55.6	25.7	9.4	3.3	5.1	0.8	0.2
greenhouse ⁽¹⁾	45-2092	55.6	25.7	9.4	3.3	5.1	0.8	0.2
animals ⁽¹⁾	45-2093	55.6	25.7	9.4	3.3	5.1	0.8	0.2
Agricultural workers, all other ⁽¹⁾	45-2099	55.6	25.7	9.4	3.3	5.1	0.8	0.2
Fishers and hunting workers	45-3000	24.2	46.9	15.5	4.1	8.2	1.2	0.1
Forest and conservation workers	45-4011	19.1	20.9	23.0	12.1	20.0	4.4	0.5
Fallers ⁽¹⁾	45-4021	31.6	48.0	11.9	3.7	3.3	1.5	0.0
Logging equipment operators ⁽¹⁾	45-4022	31.6	48.0	11.9	3.7	3.3	1.5	0.0
Log graders and scalers ⁽¹⁾	45-4023	31.6	48.0	11.9	3.7	3.3	1.5	0.0
Logging workers, all other ⁽¹⁾	45-4029	31.6	48.0	11.9	3.7	3.3	1.5	0.0
extraction workers	47-1011	14.8	41.5	24.7	7.7	9.5	1.6	0.3

Brickmasons and blockmasons ⁽⁹⁾	Boilermakers	47-2011	15.5	46.7	23.1	12.7	2.0	0.0	0.0
Stonemasons ⁽¹⁾			 						
Carpet installers									
Carpet installers									
Floor layers, except carpet, wood, and hard tiles ⁽¹⁾ 47-2042 36.6 41.5 14.5 4.0 2.9 0.4 0.0 Floor sanders and finishers ⁽¹⁾ 47-2043 36.6 41.5 14.5 4.0 2.9 0.4 0.0 Cement masons and concrete finishers ⁽¹⁾ 47-2041 36.6 41.5 14.5 4.0 2.9 0.4 0.0 Cement masons and concrete finishers ⁽¹⁾ 47-2051 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Terrazzo workers and finishers ⁽¹⁾ 47-2051 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Construction laborers 47-2061 34.5 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Construction laborers 47-2061 34.5 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Construction laborers 47-2071 37.1 47.5 11.9 2.1 0.9 0.0 0.6 Fleid-river operators 47-2072 20.3 50.9 20.8 4.9 2.8 0.2 0.1 0.2 Fleid-river operators 47-2072 20.3 50.9 20.8 4.9 2.8 0.2 0.1 0.0 Equipment operators 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1 0.0 Electricians 47-2074 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2121 21.0 47.9 22.1 4.6 3.2 11.1 0.1 Insulation workers, floor, coiling, and walf ⁽¹⁾ 47-2131 2.9 45.7 15.7 7.3 1.9 0.3 0.1 Insulation workers, mechanical ⁽¹⁾ 47-2132 2.9 45.7 15.7 7.3 1.9 0.3 0.1 Eleatricians 47-2141 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽¹⁾ 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽²⁾ 47-2141 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽³⁾ 47-2141 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽⁴⁾ 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Paperhangers ⁽⁵⁾ 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 0.1 Electricians 47-2161 46.8 36.7 11.4 1.7 3.0 0.3 0.0 0.0 0.2 Electricians 47-2161 46.8 36.7 11.4 4.6 5.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0									
Floor sanders and finishers ⁽¹⁾ 47-2044 36.6 41.5 14.5 4.0 2.9 0.4 0.0 Tile and marble setters ⁽¹⁾ 47-2051 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Terrazzo workers and finishers ⁽¹⁾ 47-2053 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Terrazzo workers and finishers ⁽¹⁾ 47-2061 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Paving, surfacing, and tamping equipment operators 47-2061 34.5 39.6 16.1 4.1 4.8 0.7 0.2 Paving, surfacing, and tamping equipment operators 47-2071 37.1 47.5 11.9 2.1 0.9 0.0 0.6 Pile-driver operators ⁽¹⁾ 47-2072 20.3 50.9 20.8 4.9 2.8 0.2 0.1 Drywall and ceiling tile installers ⁽¹⁾ 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1 Drywall and ceiling tile installers ⁽¹⁾ 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers ⁽¹⁾ 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers ⁽¹⁾ 47-211 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Glaziers 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Glaziers 47-2121 21.0 47.9 22.1 4.6 3.2 1.1 0.1 Insulation workers, floor, ceiling, and wall ⁽¹⁾ 47-2131 29.0 45.7 15.7 7.3 1.9 0.3 0.1 Insulation workers, mechanical ⁽¹⁾ 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Pipelayers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipelayers ⁽¹⁾ 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipelayers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipelayers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plumbers, pipefitters, and steamfitters ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plumbers and stucco masons 47-2161 46.8 39.4 10.1 1.7 2.3 0.1 0.1 Reinforcing iron and rebar workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Sheet metal wo									
Tile and marble setters ⁽¹⁾ 47-2041 36.6 41.5 14.5 4.0 2.9 0.4 0.0 Cement masons and concrete finishers ⁽¹⁾ 47-2051 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Censtruction laborers 47-2053 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Construction laborers 47-2061 34.5 38.9 16.1 4.1 4.8 0.7 0.2 Pawing, surfacing, and tamping equipment operators 47-2071 37.1 47.5 11.9 2.1 0.9 0.0 0.6 Pile-driver operators ⁽¹⁾ 47-2072 20.3 50.9 20.8 4.9 2.8 0.2 0.1 equipment operators 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1 Pagers ⁽¹⁾ 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1 Pagers ⁽¹⁾ 47-2081 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers ⁽¹⁾ 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Electricians 47-2111 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Electricians 47-2121 21.0 4.9 22.1 4.6 3.2 1.1 0.1 Insulation workers, floor, ceiling, and wall ⁽¹⁾ 47-2131 29.0 45.7 15.7 7.3 1.9 0.3 0.1 Insulation workers, mechanical ⁽¹⁾ 47-2132 29.0 45.7 15.7 7.3 1.9 0.3 0.1 Paginters ⁽¹⁾ 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Paperhangers ⁽¹⁾ 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 Eleitoricing in on and maintenance 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.2 Paperhangers ⁽¹⁾ 47-2161 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.1 0.0 0.2 Paperhangers ⁽¹⁾ 47-2161 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.1 0.0 0.2 Paperhangers ⁽¹⁾ 47-2171 35.6 4.2 4.8 0.9 0.2 2.2 Paperhangers ⁽¹⁾ 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.1 0.0 0.2 Paperhangers ⁽¹⁾ 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.1 0.0 0.2 Paperhangers ⁽¹⁾ 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 0.1 0.0 0.2 0.2 Paperhangers ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 0.3 0.1 0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2									
Cement masons and concrete finishers ⁽¹⁾ 47-2051 38.9 40.9 15.1 1.3 3.2 0.5 0.2		47-2043							
Terrazzo workers and finishers ⁽¹⁾ 47-2053 38.9 40.9 15.1 1.3 3.2 0.5 0.2 Construction laborers 47-2061 34.5 39.6 16.1 4.1 4.8 0.7 0.2 Pagerhangers and tamping equipment operators 47-2071 37.1 47.5 11.9 2.1 0.9 0.0 0.6 File-driver operators (1) 47-2072 20.3 50.9 20.8 4.9 2.8 0.2 0.1 equipment operators (1) 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1 Operators (1) 47-2081 44.8 39.9 20.8 4.9 2.8 0.2 0.1 Dpwall and celling tile installers (1) 47-2081 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers (1) 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers (1) 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers (1) 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers (1) 47-2082 44.8 39.9 11.1 2.1 1.9 0.3 0.0 Tapers (1) 47-211 7.7 37.3 32.1 15.2 6.7 0.9 0.2 Glaziers 47-2121 21.0 47.9 22.1 46.3 2.2 1.1 0.1 Insulation workers, floor, ceiling, and wall (1) 47-2131 29.0 45.7 15.7 7.3 1.9 0.3 0.1 Insulation workers, mechanical (1) 47-2132 29.0 45.7 15.7 7.3 1.9 0.3 0.1 Painters, construction and maintenance (1) 47-2141 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers (1) 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers (1) 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.1 0.0 Pipalayers (1) 47-2151 16.5 46.5 24.6 7.3 4.4		47-2044							
Construction laborers 47-2061 34.5 39.6 16.1 4.1 4.8 0.7 0.2	Cement masons and concrete finishers ⁽¹⁾	47-2051	38.9	40.9	15.1	1.3	3.2	0.5	0.2
Paving, surfacing, and tamping equipment operators 47-2071 37.1 47.5 11.9 2.1 0.9 0.0 0.6	Terrazzo workers and finishers ⁽¹⁾	47-2053	38.9	40.9	15.1	1.3	3.2	0.5	0.2
Pile-driver operators (**)	Construction laborers	47-2061	34.5	39.6	16.1	4.1	4.8	0.7	0.2
Equipment operators ⁽¹⁾ 47-2073 20.3 50.9 20.8 4.9 2.8 0.2 0.1		47-2071	37.1	47.5	11.9	2.1	0.9	0.0	0.6
Drywall and celling tile installers ⁽¹⁾	Pile-driver operators ⁽¹⁾	47-2072	20.3	50.9	20.8	4.9	2.8	0.2	0.1
Tapers 47-2082		47-2073	20.3	50.9	20.8	4.9	2.8	0.2	0.1
Tapers 47-2082	Drywall and ceiling tile installers ⁽¹⁾	47-2081	44.8	39.9	11.1	2.1	1.9	0.3	0.0
Electricians	Tapers ⁽¹⁾	47-2082	44.8	39.9	11.1	2.1	1.9	0.3	0.0
Insulation workers, floor, ceiling, and wall ⁽¹⁾			7.7	37.3	32.1	15.2	6.7	0.9	0.2
Insulation workers, mechanical ⁽¹⁾	Glaziers	47-2121	21.0	47.9	22.1	4.6	3.2	1.1	0.1
Insulation workers, mechanical ⁽¹⁾	Insulation workers, floor, ceiling, and wall ⁽¹⁾	47-2131	29.0	45.7	15.7	7.3	1.9	0.3	0.1
Painters, construction and maintenance ⁽¹⁾ 47-2141 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Paperhangers ⁽¹⁾ 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Pipelayers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plumbers, pipelitters, and steamfitters ⁽¹⁾ 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plasterers and stucco masons 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 Reinforcing iron and rebar workers ⁽¹⁾ 47-2171 35.6 43.4 14.6 3.1 2.5 0.6 0.3 Roofers 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Structural iron and steel workers 47-2221 14.1 46.5 26.7 7.9 4.2 0.5 0.1 Solar photovoltaic installers ⁽¹⁾ 47-2231 22.3 39.1 23.5 7.1 6.7 1.1 0.2 Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters ⁽¹⁾ 47-3011 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3	Insulation workers, mechanical ⁽¹⁾	47-2132	29.0	45.7	15.7	7.3	1.9	0.3	0.1
Paperhangers ⁽¹⁾ 47-2142 35.0 39.2 15.6 4.2 4.8 0.9 0.2 Pipelayers ⁽¹⁾ 47-2151 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plumbers, pipefitters, and steamfitters ⁽¹⁾ 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plasterers and stucco masons 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 Reinforcing iron and rebar workers ⁽¹⁾ 47-2171 35.6 43.4 14.6 3.1 2.5 0.6 0.3 Roofers 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Structural iron and steel workers 47-2221 14.1 46.5 26.7 7.9 4.2 0.5 0.1 Solar photovoltaic installers ⁽¹⁾ 47-3011 22.3 39.1 23.5 7.1 6.7 1.1 0.2 Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters ⁽¹⁾ 47-3011 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers-corpensers ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers-roofers ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 5.0 0.3		47-2141	35.0	39.2	15.6	4.2	4.8	0.9	0.2
Pipelayers ⁽¹⁾			35.0	39.2	15.6	4.2	4.8	0.9	0.2
Plumbers, pipefitters, and steamfitters ⁽¹⁾ 47-2152 16.5 46.5 24.6 7.3 4.4 0.5 0.2 Plasterers and stucco masons 47-2161 46.3 39.4 10.1 1.7 2.3 0.1 0.1 Reinforcing iron and rebar workers ⁽¹⁾ 47-2171 35.6 43.4 14.6 3.1 2.5 0.6 0.3 Roofers 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Structural iron and steel workers 47-2221 14.1 46.5 26.7 7.9 4.2 0.5 0.1 Solar photovoltaic installers ⁽¹⁾ 47-231 22.3 39.1 23.5 7.1 6.7 1.1 0.2 Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters ⁽¹⁾ 47-3011 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Steamfitters ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3	Pipelavers ⁽¹⁾		16.5	46.5	24.6	7.3	4.4	0.5	0.2
Plasterers and stucco masons			16.5	46.5	24.6	7.3	4.4	0.5	0.2
Reinforcing iron and rebar workers ⁽¹⁾ 47-2171 35.6 43.4 14.6 3.1 2.5 0.6 0.3 Roofers 47-2181 46.8 36.7 11.4 1.7 3.0 0.3 0.1 Sheet metal workers 47-2211 14.0 48.8 24.6 8.0 4.0 0.4 0.1 Structural iron and steel workers 47-2221 14.1 46.5 26.7 7.9 4.2 0.5 0.1 Solar photovoltaic installers ⁽¹⁾ 47-2231 22.3 39.1 23.5 7.1 6.7 1.1 0.2 Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters ⁽¹⁾ 47-3011 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperselectricians ⁽¹⁾ 47-3012 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersconstruction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3									
Roofers	Reinforcing iron and rebar workers ⁽¹⁾		 						
Structural iron and steel workers 47-2221 14.1 46.5 26.7 7.9 4.2 0.5 0.1 Solar photovoltaic installers ⁽¹⁾ 47-2231 22.3 39.1 23.5 7.1 6.7 1.1 0.2 Helpersbrickmasons, blockmasons, and tile and marble setters ⁽¹⁾ 47-3011 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperscarpenters ⁽¹⁾ 47-3012 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019	, and the second		46.8	36.7	11.4	1.7	3.0	0.3	0.1
Solar photovoltaic installers ⁽¹⁾ 47-2231 22.3 39.1 23.5 7.1 6.7 1.1 0.2	Sheet metal workers	47-2211	14.0	48.8	24.6	8.0	4.0	0.4	0.1
Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters ⁽¹⁾ Helperscarpenters ⁽¹⁾ Helperscarpenters ⁽¹⁾ Helperselectricians ⁽¹⁾ Helperselectricians ⁽¹⁾ 47-3012 29.7 43.8 17.1 4.4 5.0 0.1 0.0 10.	Structural iron and steel workers	47-2221	14.1	46.5	26.7	7.9	4.2	0.5	0.1
and tile and marble setters ⁽¹⁾ Helperscarpenters ⁽¹⁾ Helperselectricians ⁽¹⁾ Helperselectricians ⁽¹⁾ Helperselectricians ⁽¹⁾ 47-3012 29.7 43.8 17.1 4.4 5.0 0.1 0.0 1.0 0.0 Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 1.0 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers-roofers ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3	Solar photovoltaic installers ⁽¹⁾	47-2231	22.3	39.1	23.5	7.1	6.7	1.1	0.2
Helperscarpenters ⁽¹⁾ 47-3012 29.7 43.8 17.1 4.4 5.0 0.1 0.0	Helpersbrickmasons, blockmasons, stonemasons,		20.7	40.0	47.4	4.4	5.0	0.4	0.0
Helperselectricians ⁽¹⁾ 47-3013 29.7 43.8 17.1 4.4 5.0 0.1 0.0 stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3	and tile and marble setters ⁽¹⁾	47-3011	29.7	43.8	17.1	4.4	5.0	0.1	0.0
stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers-roofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3	Helperscarpenters ⁽¹⁾	47-3012	29.7	43.8	17.1	4.4	5.0	0.1	0.0
stucco masons ⁽¹⁾ 47-3014 29.7 43.8 17.1 4.4 5.0 0.1 0.0 steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers-roofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3			29.7	43.8	17.1	4.4	5.0	0.1	0.0
steamfitters ⁽¹⁾ 47-3015 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3			29.7	43.8	17.1	4.4	5.0	0.1	0.0
Helpersroofers ⁽¹⁾ 47-3016 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3			29.7	43.8			5.0	0.1	0.0
Helpers, construction trades, all other ⁽¹⁾ 47-3019 29.7 43.8 17.1 4.4 5.0 0.1 0.0 Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3									
Construction and building inspectors 47-4011 1.6 24.4 31.3 14.6 21.6 5.8 0.9 Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3			ł – – – ł						
Elevator installers and repairers 47-4021 3.8 48.2 31.4 10.9 4.8 0.6 0.3									
	<u> </u>								
	Fence erectors	47-4031	45.0	33.1	15.7	2.9	2.5	0.5	0.4
Hazardous materials removal workers 47-4041 18.5 36.9 20.5 9.7 11.2 2.9 0.3									
Highway maintenance workers 47-4051 12.1 56.8 21.3 6.2 3.2 0.4 0.0	Highway maintenance workers	47-4051	12.1	56.8	21.3	6.2	3.2	0.4	0.0

operators	47-4061	10.6	53.6	27.1	5.0	3.7	0.0	0.0
Septic tank servicers and sewer pipe cleaners ⁽¹⁾	47-4071	22.3	39.1	23.5	7.1	6.7	1.1	0.2
Segmental pavers ⁽¹⁾	47-4091	22.3	39.1	23.5	7.1	6.7	1.1	0.2
Construction and related workers, all other ⁽¹⁾	47-4099	22.3	39.1	23.5	7.1	6.7	1.1	0.2
Derrick operators, oil and gas ⁽¹⁾	47-5011	20.3	47.4	22.6	3.8	5.1	0.8	0.0
Rotary drill operators, oil and gas ⁽¹⁾	47-5012	20.3	47.4	22.6	3.8	5.1	0.8	0.0
Service unit operators, oil, gas, and mining ⁽¹⁾	47-5013	20.3	47.4	22.6	3.8	5.1	0.8	0.0
Earth drillers, except oil and gas	47-5021	18.6	50.8	20.2	4.4	5.4	0.6	0.0
blasters	47-5031	11.1	36.9	27.3	8.1	15.9	0.6	0.0
Continuous mining machine operators ⁽¹⁾	47-5041	14.8	51.9	24.1	4.4	4.1	0.7	0.0
Mine cutting and channeling machine operators ⁽¹⁾	47-5042	14.8	51.9	24.1	4.4	4.1	0.7	0.0
Mining machine operators, all other ⁽¹⁾	47-5049	14.8	51.9	24.1	4.4	4.1	0.7	0.0
Rock splitters, quarry ⁽¹⁾	47-5051	16.8	47.2	23.5	4.8	7.2	0.2	0.3
Roof bolters, mining ⁽¹⁾	47-5061	16.8	47.2	23.5	4.8	7.2	0.2	0.3
Roustabouts, oil and gas ⁽¹⁾	47-5071	20.3	47.4	22.6	3.8	5.1	0.8	0.0
Helpersextraction workers ⁽¹⁾	47-5081	16.8	47.2	23.5	4.8	7.2	0.2	0.3
Extraction workers, all other ⁽¹⁾	47-5099	16.8	47.2	23.5	4.8	7.2	0.2	0.3
repairers	49-1011	7.8	34.2	30.4	13.4	11.7	2.2	0.3
repairers	49-2011	2.0	16.7	33.2	20.5	23.1	3.6	0.9
repairs ⁽¹⁾	49-2021	4.0	28.4	35.5	16.5	13.9	1.3	0.3
repairers, except line installers ⁽¹⁾	49-2022	4.0	28.4	35.5	16.5	13.9	1.3	0.3
Avionics technicians	49-2091	1.6	16.5	34.5	31.2	13.7	1.4	1.1
Electric motor, power tool, and related repairers	49-2092	7.5	38.0	29.7	16.3	7.1	1.3	0.1
transportation equipment ⁽¹⁾	49-2093	2.8	28.6	30.4	21.4	14.5	2.3	0.0
industrial equipment ⁽¹⁾	49-2094	2.8	28.6	30.4	21.4	14.5	2.3	0.0
substation, and relay ⁽¹⁾	49-2095	2.8	28.6	30.4	21.4	14.5	2.3	0.0
vehicles	49-2096	4.8	35.4	35.3	15.3	8.1	0.4	0.6
and repairers	49-2097	8.3	33.8	31.9	12.4	11.7	1.4	0.6
Security and fire alarm systems installers	49-2098	8.6	39.5	29.7	12.4	8.5	1.0	0.4
Aircraft mechanics and service technicians	49-3011	2.3	23.9	39.6	22.2	10.5	1.3	0.2
Automotive body and related repairers	49-3021	22.6	49.5	17.6	7.5	2.7	0.1	0.1
Automotive glass installers and repairers Automotive service technicians and mechanics	49-3022 49-3023	14.2 17.3	55.4 44.7	24.5 22.2	3.3 11.6	1.2 3.6	1.5 0.4	0.0 0.2
specialists	49-3023	13.1	46.0	24.2	12.9	2.9	0.6	0.2
technicians ⁽¹⁾	49-3041	13.1	44.7	25.4	12.0	3.7	0.6	0.3
engines ⁽¹⁾	49-3042	13.1	44.7	25.4	12.0	3.7	0.6	0.3
Rail car repairers ⁽¹⁾	49-3043	13.1	44.7	25.4	12.0	3.7	0.6	0.3
Motorboat mechanics and service technicians ⁽¹⁾	49-3043	18.1	40.7	25.2	10.5	4.2	1.1	0.2
Metarcula machanics (1)		18.1	40.7	25.2	10.5	4.2	1.1	0.2
Motorcycle mechanics ⁽¹⁾ mechanics ⁽¹⁾	49-3052							
	49-3053	18.1	40.7	25.2	10.5	4.2	1.1	0.2
Bicycle repairers ⁽¹⁾	49-3091	24.9	43.0	20.3	5.4	5.4	0.8	0.1
Recreational vehicle service technicians ⁽¹⁾	49-3092	24.9	43.0	20.3	5.4	5.4	0.8	0.1
Tire repairers and changers ⁽¹⁾	49-3093	24.9	43.0	20.3	5.4	5.4	0.8	0.1

Mechanical door repairers ⁽¹⁾	49-9011	6.1	45.0	33.3	10.5	4.5	0.5	0.0
mechanical door ⁽¹⁾	49-9012	6.1	45.0	33.3	10.5	4.5	0.5	0.0
mechanics and installers	49-9021	10.7	40.9	28.4	13.8	5.1	0.8	0.3
Home appliance repairers	49-9031	11.9	38.4	31.3	11.8	5.3	1.0	0.2
Industrial machinery mechanics ⁽¹⁾	49-9041	10.4	41.8	28.0	13.4	5.6	0.7	0.1
Maintenance workers, machinery	49-9043	10.2	46.8	26.7	11.9	3.6	0.9	0.0
Millwrights	49-9044	9.7	44.3	31.2	11.4	3.0	0.5	0.0
Refractory materials repairers, except brickmasons ⁽¹⁾	49-9045	10.4	41.8	28.0	13.4	5.6	0.7	0.1
Electrical power-line installers and repairers	49-9051	5.7	39.4	32.2	15.7	6.0	0.9	0.1
Telecommunications line installers and repairers	49-9052	6.8	36.9	33.2	13.6	8.2	1.1	0.2
Camera and photographic equipment repairers ⁽¹⁾	49-9061	3.9	23.3	28.7	20.7	18.6	3.9	0.9
Medical equipment repairers ⁽¹⁾	49-9062	3.9	23.3	28.7	20.7	18.6	3.9	0.9
Musical instrument repairers and tuners ⁽¹⁾	49-9063	3.9	23.3	28.7	20.7	18.6	3.9	0.9
Watch repairers ⁽¹⁾	49-9064	3.9	23.3	28.7	20.7	18.6	3.9	0.9
other ⁽¹⁾	49-9069	3.9	23.3	28.7	20.7	18.6	3.9	0.9
Maintenance and repair workers, general	49-9071	13.3	41.5	26.8	11.1	6.3	0.8	0.2
Wind turbine service technicians ⁽¹⁾	49-9081	13.0	39.9	26.6	10.3	8.2	1.7	0.2
and repairers	49-9091	8.4	42.6	27.5	10.6	8.6	2.2	0.2
Commercial divers ⁽¹⁾	49-9092	13.0	39.9	26.6	10.3	8.2	1.7	0.2
Fabric menders, except garment ⁽¹⁾	49-9093	13.0	39.9	26.6	10.3	8.2	1.7	0.2
Locksmiths and safe repairers	49-9094	9.2	46.6	29.1	8.4	4.9	1.2	0.5
Manufactured building and mobile home installers ⁽¹⁾	49-9095	13.0	39.9	26.6	10.3	8.2	1.7	0.2
Riggers	49-9096	11.7	53.7	18.7	10.6	4.9	0.4	0.0
Signal and track switch repairers ⁽¹⁾	49-9097	13.0	39.9	26.6	10.3	8.2	1.7	0.2
workers	49-9098	30.0	39.7	14.5	7.5	7.0	1.3	0.0
other ⁽¹⁾	49-9099	13.0	39.9	26.6	10.3	8.2	1.7	0.2
workers	51-1011	10.2	37.9	26.1	8.7	13.3	3.1	0.7
assemblers	51-2011	13.6	46.2	28.2	6.6	5.5	0.0	0.0
Coil winders, tapers, and finishers ⁽¹⁾	51-2021	18.7	44.7	21.8	8.3	5.4	0.7	0.4
Electrical and electronic equipment assemblers ⁽¹⁾	51-2022	18.7	44.7	21.8	8.3	5.4	0.7	0.4
Electromechanical equipment assemblers ⁽¹⁾	51-2023	18.7	44.7	21.8	8.3	5.4	0.7	0.4
Engine and other machine assemblers	51-2031	12.8	48.1	23.4	6.9	8.9	0.0	0.0
Structural metal fabricators and fitters	51-2041	11.9	49.3	25.5	7.5	5.3	0.1	0.4
Fiberglass laminators and fabricators ⁽¹⁾	51-2091	17.5	46.8	22.5	6.5	5.7	8.0	0.2
Team assemblers ⁽¹⁾	51-2092	17.5	46.8	22.5	6.5	5.7	0.8	0.2
Timing device assemblers and adjusters ⁽¹⁾	51-2093	17.5	46.8	22.5	6.5	5.7	0.8	0.2
Assemblers and fabricators, all other ⁽¹⁾	51-2099	17.5	46.8	22.5	6.5	5.7	0.8	0.2
Bakers	51-3011	21.3	39.2	20.8	8.4	9.0	0.8	0.4
Butchers and meat cutters ⁽¹⁾	51-3021	34.0	39.7	17.7	4.4	3.5	0.5	0.1
Meat, poultry, and fish cutters and trimmers ⁽¹⁾	51-3022	34.0	39.7	17.7	4.4	3.5	0.5	0.1
Slaughterers and meat packers ⁽¹⁾	51-3023	34.0	39.7	17.7	4.4	3.5	0.5	0.1
machine operators and tenders	51-3023	22.0	41.5	18.3	5.1	12.4	0.2	0.5
Food batchmakers	51-3092	21.2	43.4	17.7	9.2	7.3	1.0	0.2

Food cooking machine operators and tenders	51-3093	27.9	40.4	18.5	6.6	6.6	0.0	0.0
Food processing workers, all other	51-3099	30.1	42.3	18.3	4.2	4.0	0.7	0.5
and plastic ⁽¹⁾	51-4011	6.8	40.5	33.8	11.5	6.1	1.0	0.4
Computer numerically controlled machine tool								
programmers, metal and plastic ⁽¹⁾	51-4012	6.8	40.5	33.8	11.5	6.1	1.0	0.4
Extruding and drawing machine setters, operators,		0.5	40.0	20.4	C 4	4.4	0.7	0.0
and tenders, metal and plastic	51-4021	8.5	49.9	30.4	6.4	4.1	0.7	0.0
metal and plastic	51-4022	18.4	57.5	15.4	2.0	6.7	0.0	0.0
metal and plastic	51-4023	12.5	50.0	28.8	4.0	2.7	2.1	0.0
Cutting, punching, and press machine setters,		22.6	49.7	19.0	4.5	3.8	0.5	0.0
operators, and tenders, metal and plastic ⁽¹⁾	51-4031	22.0	45.7	13.0	4.0	3.0	0.5	0.0
Drilling and boring machine tool setters, operators,		22.6	49.7	19.0	4.5	3.8	0.5	0.0
and tenders, metal and plastic ⁽¹⁾	51-4032	22.0	40.7	10.0	4.0	0.0	0.0	0.0
tool setters, operators, and tenders, metal and		22.6	49.7	19.0	4.5	3.8	0.5	0.0
plastic ⁽¹⁾	51-4033	22.0	45.7	13.0	4.0	3.0	0.5	0.0
Lathe and turning machine tool setters, operators,		22.6	49.7	19.0	4.5	3.8	0.5	0.0
and tenders, metal and plastic ⁽¹⁾	51-4034	22.0	43.7	19.0	4.5	3.0	0.5	0.0
tenders, metal and plastic ⁽¹⁾	51-4035	22.6	49.7	19.0	4.5	3.8	0.5	0.0
Machinists	51-4041	10.8	44.1	28.6	11.8	4.4	0.3	0.1
Metal-refining furnace operators and tenders ⁽¹⁾	51-4051	14.1	56.1	20.5	6.1	2.8	0.2	0.1
Pourers and casters, metal ⁽¹⁾	51-4052	14.1	56.1	20.5	6.1	2.8	0.2	0.1
Model makers, metal and plastic ⁽¹⁾	51-4061	16.8	48.1	21.8	7.4	5.6	0.3	0.0
Patternmakers, metal and plastic ⁽¹⁾	51-4062	16.8	48.1	21.8	7.4	5.6	0.3	0.0
Foundry mold and coremakers ⁽¹⁾	51-4071	16.8	48.1	21.8	7.4	5.6	0.3	0.0
Molding, coremaking, and casting machine setters,				21.2	_ ,			
operators, and tenders, metal and plastic ⁽¹⁾	51-4072	16.8	48.1	21.8	7.4	5.6	0.3	0.0
tenders, metal and plastic ⁽¹⁾	51-4081	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Tool and die makers	51-4111	6.9	41.6	30.9	17.3	3.1	0.2	0.0
Welders, cutters, solderers, and brazers ⁽¹⁾	51-4121	19.8	46.8	22.8	7.8	2.4	0.3	0.1
operators, and tenders ⁽¹⁾	51-4122	19.8	46.8	22.8	7.8	2.4	0.3	0.1
tenders, metal and plastic ⁽¹⁾	51-4191	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Layout workers, metal and plastic ⁽¹⁾	51-4192	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Plating and coating machine setters, operators, and								
tenders, metal and plastic ⁽¹⁾	51-4193	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Tool grinders, filers, and sharpeners ⁽¹⁾	51-4194	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Metal workers and plastic workers, all other ⁽¹⁾	51-4199	19.6	47.2	22.4	6.1	3.9	0.6	0.2
Prepress technicians and workers	51-5111	11.5	30.4	26.4	13.3	14.9	2.9	0.6
Printing press operators	51-5112	11.3	46.8	25.2	7.4	8.5	0.7	0.2
Print binding and finishing workers	51-5113	12.0	48.1	22.3	9.9	6.7	0.8	0.2
Laundry and dry-cleaning workers	51-6011	35.2	41.6	14.2	3.8	4.2	0.9	0.1
Pressers, textile, garment, and related materials	51-6021	47.3	35.6	10.6	2.2	3.8	0.1	0.5
Sewing machine operators	51-6031	40.1	36.1	13.7	4.2	4.8	0.8	0.1
Shoe and leather workers and repairers ⁽¹⁾	51-6041	24.3	43.8	18.2	3.0	6.0	3.7	1.1

Shoe machine operators and tenders ⁽¹⁾	51-6042	24.3	43.8	18.2	3.0	6.0	3.7	1.1
Sewers, hand ⁽¹⁾	51-6051	25.7	29.7	21.3	8.1	12.4	2.2	0.5
Tailors, dressmakers, and custom sewers ⁽¹⁾	51-6052	25.7	29.7	21.3	8.1	12.4	2.2	0.5
tenders ⁽¹⁾	51-6061	27.5	50.5	11.9	1.9	7.5	0.7	0.0
tenders ⁽¹⁾	51-6062	27.5	50.5	11.9	1.9	7.5	0.7	0.0
operators, and tenders	51-6063	29.5	44.3	10.3	5.9	5.1	3.7	1.2
Textile winding, twisting, and drawing out machine		36.6	44.8	12.7	3.6	1.6	0.2	0.5
setters, operators, and tenders	51-6064	30.0	44.0	12.7	3.0	1.0	0.2	0.5
Extruding and forming machine setters, operators,		28.8	35.0	18.2	5.8	11.4	0.8	0.0
and tenders, synthetic and glass fibers ⁽¹⁾	51-6091							
Fabric and apparel patternmakers ⁽¹⁾	51-6092	28.8	35.0	18.2	5.8	11.4	0.8	0.0
Upholsterers	51-6093	29.7	44.3	15.0	7.2	2.5	1.2	0.1
Textile, apparel, and furnishings workers, all other (1)	51-6099	28.8	35.0	18.2	5.8	11.4	0.8	0.0
Cabinetmakers and bench carpenters	51-7011	19.3	46.5	18.0	7.3	7.3	1.5	0.0
Furniture finishers	51-7021	23.1	36.0	16.7	9.7	11.9	2.7	0.0
Model makers, wood ⁽¹⁾	51-7031	15.1	40.5	21.4	8.4	11.1	2.9	0.6
Patternmakers, wood ⁽¹⁾	51-7032	15.1	40.5	21.4	8.4	11.1	2.9	0.6
wood	51-7041	30.3	47.0	14.1	4.6	3.7	0.2	0.2
tenders, except sawing	51-7042	26.5	51.6	12.9	3.7	4.4	0.8	0.0
Woodworkers, all other ⁽¹⁾	51-7099	15.1	40.5	21.4	8.4	11.1	2.9	0.6
Nuclear power reactor operators ⁽¹⁾	51-8011	1.1	28.2	32.6	18.2	17.3	2.4	0.3
Power distributors and dispatchers ⁽¹⁾	51-8012	1.1	28.2	32.6	18.2	17.3	2.4	0.3
Power plant operators ⁽¹⁾	51-8013	1.1	28.2	32.6	18.2	17.3	2.4	0.3
Stationary engineers and boiler operators	51-8021	6.5	39.0	30.7	10.9	10.1	2.1	0.7
operators	51-8031	3.4	40.2	31.5	11.6	11.0	2.0	0.3
Chemical plant and system operators ⁽¹⁾	51-8091	6.1	40.3	30.4	13.3	9.0	0.9	0.1
Gas plant operators ⁽¹⁾	51-8092	6.1	40.3	30.4	13.3	9.0	0.9	0.1
operators, and gaugers ⁽¹⁾	51-8093	6.1	40.3	30.4	13.3	9.0	0.9	0.1
Plant and system operators, all other ⁽¹⁾	51-8099	6.1	40.3	30.4	13.3	9.0	0.9	0.1
Chemical equipment operators and tenders ⁽¹⁾	51-9011	6.7	31.9	27.2	7.8	21.3	4.3	0.8
Separating, filtering, clarifying, precipitating, and still								
machine setters, operators, and tenders ⁽¹⁾	51-9012	6.7	31.9	27.2	7.8	21.3	4.3	0.8
operators, and tenders ⁽¹⁾	51-9021	18.4	47.2	21.6	5.5	6.4	0.6	0.3
Grinding and polishing workers, hand ⁽¹⁾	51-9022	18.4	47.2	21.6	5.5	6.4	0.6	0.3
tenders ⁽¹⁾	51-9023	18.4	47.2	21.6	5.5	6.4	0.6	0.3
Cutters and trimmers, hand ⁽¹⁾	51-9031	31.3	44.3	16.0	5.0	2.5	0.9	0.0
tenders ⁽¹⁾	51-9032	31.3	44.3	16.0	5.0	2.5	0.9	0.0
Extruding, forming, pressing, and compacting	31-9032	31.3						
machine setters, operators, and tenders	51-9041	15.1	57.7	19.2	4.6	3.0	0.5	0.0
tenders	51-9051	23.4	39.0	22.7	6.0	7.6	1.1	0.3
Inspectors, testers, sorters, samplers, and weighers	51-9061	10.2	35.7	26.5	10.7	13.4	3.0	0.5
Jewelers and precious stone and metal workers	51-9071	15.7	27.0	23.1	8.7	20.5	3.9	1.1
Dental laboratory technicians ⁽¹⁾	51-9081	6.2	29.5	31.7	17.7	12.3	1.5	1.0

Medical appliance technicians ⁽¹⁾	51-9082	6.2	29.5	31.7	17.7	12.3	1.5	1.0
Ophthalmic laboratory technicians ⁽¹⁾	51-9083	6.2	29.5	31.7	17.7	12.3	1.5	1.0
Packaging and filling machine operators and tenders	51-9111	34.4	40.6	16.1	4.2	4.1	0.4	0.2
operators, and tenders ⁽¹⁾	51-9121	23.5	48.6	18.5	4.6	4.2	0.4	0.2
Painters, transportation equipment ⁽¹⁾	51-9122	23.5	48.6	18.5	4.6	4.2	0.4	0.2
Painting, coating, and decorating workers ⁽¹⁾	51-9123	23.5	48.6	18.5	4.6	4.2	0.4	0.2
Semiconductor processors ⁽¹⁾	51-9141	19.4	46.4	20.7	6.6	5.7	0.9	0.2
machine operators	51-9151	6.1	25.9	21.6	10.4	30.4	4.7	0.9
Adhesive bonding machine operators and tenders	51-9191	21.6	49.2	21.5	2.2	4.9	0.5	0.0
operators and tenders ⁽¹⁾	51-9192	19.4	46.4	20.7	6.6	5.7	0.9	0.2
tenders ⁽¹⁾	51-9193	19.4	46.4	20.7	6.6	5.7	0.9	0.2
Etchers and engravers	51-9194	12.8	36.3	25.3	8.7	13.6	2.2	1.2
plastic	51-9195	18.5	39.9	19.9	5.3	11.2	4.0	1.3
tenders	51-9196	21.8	50.0	17.2	7.2	3.3	0.5	0.0
Tire builders	51-9197	4.8	53.1	32.1	5.5	3.2	0.5	0.9
Helpersproduction workers	51-9198	36.3	38.7	15.2	2.8	5.3	1.3	0.2
Production workers, all other ⁽¹⁾	51-9199	19.4	46.4	20.7	6.6	5.7	0.9	0.2
Aircraft cargo handling supervisors ⁽¹⁾	53-1011	8.1	34.8	28.2	9.9	16.1	2.6	0.4
material movers, hand ⁽¹⁾	53-1021	8.1	34.8	28.2	9.9	16.1	2.6	0.4
First-line supervisors of transportation and material-		8.1	34.8	28.2	9.9	16.1	2.6	0.4
moving machine and vehicle operators ⁽¹⁾	53-1031		54.0	20.2	5.5	10.1		0.4
Airline pilots, copilots, and flight engineers ⁽¹⁾	53-2011	0.3	4.9	12.9	8.0	59.5	12.5	1.9
Commercial pilots ⁽¹⁾	53-2012	0.3	4.9	12.9	8.0	59.5	12.5	1.9
Air traffic controllers ⁽¹⁾	53-2021	0.6	9.5	32.6	14.7	34.5	6.9	1.1
Airfield operations specialists ⁽¹⁾	53-2022	0.6	9.5	32.6	14.7	34.5	6.9	1.1
Flight attendants	53-2031	1.0	13.8	32.2	12.5	35.1	4.1	1.3
emergency medical technicians	53-3011	9.4	43.7	27.6	5.8	9.2	4.3	0.0
Bus drivers, transit and intercity ⁽¹⁾	53-3021	8.9	43.3	29.0	9.1	7.5	1.7	0.4
Bus drivers, school or special client ⁽¹⁾	53-3022	8.9	43.3	29.0	9.1	7.5	1.7	0.4
Driver/sales workers ⁽¹⁾	53-3031	16.3	47.6	23.5	6.1	5.4	0.9	0.3
Heavy and tractor-trailer truck drivers ⁽¹⁾	53-3032	16.3	47.6	23.5	6.1	5.4	0.9	0.3
Light truck or delivery services drivers ⁽¹⁾	53-3033	16.3	47.6	23.5	6.1	5.4	0.9	0.3
Taxi drivers and chauffeurs	53-3041	13.5	34.4	25.3	7.7	14.4	3.9	0.8
Motor vehicle operators, all other	53-3099	10.7	42.6	24.1	7.5	11.8	2.6	0.7
Locomotive engineers ⁽¹⁾	53-4011	3.2	36.7	37.2	11.0	11.1	0.8	0.0
Locomotive firers ⁽¹⁾	53-4012	3.2	36.7	37.2	11.0	11.1	0.8	0.0
Rail yard engineers, dinkey operators, and hostlers ⁽¹⁾	53-4013	3.2	36.7	37.2	11.0	11.1	0.8	0.0
Railroad brake, signal, and switch operators ⁽¹⁾	53-4021	6.0	38.0	34.5	10.7	7.9	2.2	0.7
Railroad conductors and yardmasters	53-4031	2.6	33.1	36.3	12.2	13.3	1.7	0.8
Subway and streetcar operators ⁽¹⁾	53-4041	6.0	38.0	34.5	10.7	7.9	2.2	0.7
Rail transportation workers, all other ⁽¹⁾		6.0	38.0	34.5	10.7	7.9	2.2	0.7
	53-4099	0.0	30.0	34.3	10.7	1.3	2.2	0.7

Captains, mates, and pilots of water vessels ⁽¹⁾	53-5021	8.7	31.7	26.1	7.7	20.0	4.0	1.7
Motorboat operators ⁽¹⁾	53-5022	8.7	31.7	26.1	7.7	20.0	4.0	1.7
Ship engineers ⁽¹⁾	53-5031	11.9	37.2	30.2	4.9	13.5	2.4	0.0
Bridge and lock tenders ⁽¹⁾	53-6011	5.3	38.8	34.4	9.9	8.0	3.3	0.4
Parking lot attendants	53-6021	15.3	36.8	24.1	9.8	11.3	2.4	0.3
Automotive and watercraft service attendants	53-6031	18.9	43.8	24.7	4.5	6.3	1.4	0.4
Traffic technicians ⁽¹⁾	53-6041	5.3	38.8	34.4	9.9	8.0	3.3	0.4
Transportation inspectors	53-6051	5.0	32.7	30.9	14.1	14.4	2.7	0.2
Transportation attendants, except flight attendants	53-6061	10.1	42.8	29.3	6.3	10.2	1.2	0.1
Transportation workers, all other ⁽¹⁾	53-6099	5.3	38.8	34.4	9.9	8.0	3.3	0.4
Conveyor operators and tenders ⁽¹⁾	53-7011	16.8	59.1	12.3	6.9	4.6	0.4	0.0
Crane and tower operators	53-7021	16.6	50.2	23.6	5.6	3.6	0.3	0.0
Dredge operators ⁽¹⁾	53-7031	20.0	51.0	20.4	4.2	4.0	0.4	0.0
operators ⁽¹⁾	53-7032	20.0	51.0	20.4	4.2	4.0	0.4	0.0
Loading machine operators, underground mining ⁽¹⁾	53-7033	20.0	51.0	20.4	4.2	4.0	0.4	0.0
Hoist and winch operators ⁽¹⁾	53-7041	16.8	59.1	12.3	6.9	4.6	0.4	0.0
Industrial truck and tractor operators	53-7051	20.4	51.9	20.2	4.3	2.9	0.2	0.0
Cleaners of vehicles and equipment	53-7061	30.2	43.7	16.9	4.5	3.8	0.6	0.3
hand	53-7062	18.8	47.0	21.7	5.9	5.7	0.8	0.3
Machine feeders and offbearers	53-7063	25.5	45.8	17.9	6.0	4.1	0.6	0.2
Packers and packagers, hand	53-7064	35.6	39.3	16.0	4.1	4.2	0.5	0.2
operators ⁽¹⁾	53-7071	11.5	46.3	26.9	7.8	7.1	0.3	0.0
Pump operators, except wellhead pumpers ⁽¹⁾	53-7072	11.5	46.3	26.9	7.8	7.1	0.3	0.0
Wellhead pumpers ⁽¹⁾	53-7073	11.5	46.3	26.9	7.8	7.1	0.3	0.0
Refuse and recyclable material collectors	53-7081	25.8	48.2	16.7	4.9	3.9	0.6	0.1
Mine shuttle car operators ⁽¹⁾	53-7111	16.9	46.9	23.1	7.0	5.5	0.7	0.1
Tank car, truck, and ship loaders ⁽¹⁾	53-7121	16.9	46.9	23.1	7.0	5.5	0.7	0.1
Material moving workers, all other ⁽¹⁾	53-7199	16.9	46.9	23.1	7.0	5.5	0.7	0.1

Footnotes:

⁽¹⁾ Data for this occupation is shared with other occupations; see https://www.bls.gov/emp/classifications-crosswalks/NEM_OccCode_ACS_Crosswalk.xlsx for det Data Source: 2015 and 2016 American Community Survey Public Use Microdata, U.S. Department of Commerce, U.S. Census Bureau Table Source: Employment Projections program, U.S. Bureau of Labor Statistics

2016 National Employment Matrix title and co				raining needed to attain competen
nief executives eneral and operations managers	11-1021	Bachelor's degree Bachelor's degree	5 years or more 5 years or more	None None
egislators dvertising and promotions managers	11-1031 11-2011	Bachelor's degree Bachelor's degree	Less than 5 years Less than 5 years	None None
arketing managers ales managers	11-2021 11-2022	Bachelor's degree Bachelor's degree	5 years or more Less than 5 years	None None
blic relations and fundraising managers	11-2031	Bachelor's degree	5 years or more	None
Iministrative services managers Imputer and information systems managers	11-3011 11-3021	Bachelor's degree Bachelor's degree	Less than 5 years 5 years or more	None None
ancial managers	11-3031	Bachelor's degree	5 years or more	None
lustrial production managers rchasing managers	11-3051 11-3061	Bachelor's degree Bachelor's degree	5 years or more 5 years or more	None None
nsportation, storage, and distribution managers npensation and benefits managers	11-3071 11-3111	High school diploma or equivalent Bachelor's degree	5 years or more 5 years or more	None None
man resources managers	11-3121	Bachelor's degree	5 years or more	None
nining and development managers mers, ranchers, and other agricultural managers		Bachelor's degree High school diploma or equivalen	5 years or more 5 years or more	None None
nstruction managers	11-9021	Bachelor's degree Bachelor's degree	None Less than 5 years	Moderate-term on-the-job training None
	11-9032	Master's degree	5 years or more	None
cation administrators, postsecondary cation administrators, all other	11-9033 11-9039	Master's degree Bachelor's degree	Less than 5 years Less than 5 years	None None
nitectural and engineering managers	11-9041	Bachelor's degree	5 years or more	None
d service managers eral service managers	11-9051 11-9061	High school diploma or equivalen Associate's degree	Less than 5 years Less than 5 years	None None
ning managers ging managers	11-9071 11-9081	High school diploma or equivalent High school diploma or equivalent		None None
ical and health services managers	11-9111	Bachelor's degree	Less than 5 years	None
ral sciences managers masters and mail superintendents	11-9121 11-9131	Bachelor's degree High school diploma or equivalen	5 years or more Less than 5 years	None Moderate-term on-the-job training
erty, real estate, and community association mana	11-9141	High school diploma or equivalen	Less than 5 years	None
ial and community service managers ergency management directors	11-9151 11-9161	Bachelor's degree Bachelor's degree	Less than 5 years 5 years or more	None None
nagers, all other		Bachelor's degree Bachelor's degree	Less than 5 years Less than 5 years	None None
ers and purchasing agents, farm products	13-1021	Bachelor's degree	None	Moderate-term on-the-job training
plesale and retail buyers, except farm products chasing agents, except wholesale, retail, and farm	13-1022 13-1023	Bachelor's degree Bachelor's degree	None None	Moderate-term on-the-job training Moderate-term on-the-job training
ims adjusters, examiners, and investigators	13-1031	High school diploma or equivalen	None	Long-term on-the-job training
urance appraisers, auto damage npliance officers	13-1032 13-1041	Postsecondary nondegree award Bachelor's degree	None None	Moderate-term on-the-job training Moderate-term on-the-job training
st estimators nan resources specialists	13-1051	Bachelor's degree Bachelor's degree	None None	Moderate-term on-the-job training None
n labor contractors	13-1074	No formal educational credential	Less than 5 years	Short-term on-the-job training
or relations specialists stricians	13-1075 13-1081	Bachelor's degree Bachelor's degree	Less than 5 years None	None None
nagement analysts	13-1111	Bachelor's degree	Less than 5 years	None
eting, convention, and event planners draisers	13-1121 13-1131	Bachelor's degree Bachelor's degree	None None	None None
npensation, benefits, and job analysis specialists ning and development specialists		Bachelor's degree Bachelor's degree	Less than 5 years Less than 5 years	None None
ket research analysts and marketing specialists	13-1161	Bachelor's degree	None	None
iness operations specialists, all other ountants and auditors	13-1199 13-2011	Bachelor's degree Bachelor's degree	None None	None None
raisers and assessors of real estate	13-2021	Bachelor's degree	None	Long-term on-the-job training
get analysts dit analysts	13-2031 13-2041	Bachelor's degree Bachelor's degree	None None	None None
ncial analysts onal financial advisors	13-2051 13-2052	Bachelor's degree Bachelor's degree	None None	None Long-term on-the-job training
rance underwriters	13-2053	Bachelor's degree	None	Moderate-term on-the-job training
Incial examiners dit counselors	13-2061 13-2071	Bachelor's degree Bachelor's degree	None None	Long-term on-the-job training Moderate-term on-the-job training
n officers examiners and collectors, and revenue agents	13-2072 13-2081	Bachelor's degree Bachelor's degree	None None	Moderate-term on-the-job training Moderate-term on-the-job training
preparers	13-2082	High school diploma or equivalent	None	Moderate-term on-the-job training
ncial specialists, all other puter and information research scientists		Bachelor's degree Master's degree	None None	Moderate-term on-the-job training None
outer systems analysts	15-1121	Bachelor's degree	None	None
mation security analysts puter programmers		Bachelor's degree Bachelor's degree	Less than 5 years None	None None
vare developers, applications	15-1132	Bachelor's degree Bachelor's degree	None None	None None
vare developers, systems software developers	15-1134	Associate's degree	None	None
abase administrators work and computer systems administrators		Bachelor's degree Bachelor's degree	None None	None None
nputer network architects	15-1143	Bachelor's degree	5 years or more	None
nputer user support specialists nputer network support specialists	15-1151 15-1152	Some college, no degree Associate's degree	None None	None None
nputer occupations, all other uaries	15-1199 15-2011	Bachelor's degree Bachelor's degree	None None	None Long-term on-the-job training
hematicians	15-2021	Master's degree	None	None
erations research analysts disticians		Bachelor's degree Master's degree	None None	None None
hematical technicians	15-2091	Bachelor's degree	None	None
hematical science occupations, all other nitects, except landscape and naval	17-1011	Bachelor's degree Bachelor's degree	None None	None Internship/residency
dscape architects ographers and photogrammetrists	17-1012	Bachelor's degree Bachelor's degree	None None	Internship/residency None
reyors	17-1022	Bachelor's degree	None	Internship/residency
space engineers cultural engineers		Bachelor's degree Bachelor's degree	None None	None None
nedical engineers	17-2031	Bachelor's degree	None	None
nical engineers engineers	17-2051	Bachelor's degree Bachelor's degree	None None	None None
puter hardware engineers rical engineers	17-2061 17-2071	Bachelor's degree Bachelor's degree	None None	None None
tronics engineers, except computer	17-2072	Bachelor's degree	None	None
onmental engineers th and safety engineers, except mining safety eng	17-2081 17-2111	Bachelor's degree Bachelor's degree	None None	None None
, , ,, unining carety ong	17-2112	Bachelor's degree	None	None
		Bachelor's degree Bachelor's degree	None None	None None
ine engineers and naval architects	17-2131		None	None None
rine engineers and naval architects erials engineers chanical engineers	17-2141	Bachelor's degree	None	
rine engineers and naval architects terials engineers chanical engineers ing and geological engineers, including mining safe clear engineers	17-2141 17-2151 17-2161	Bachelor's degree Bachelor's degree	None None	None
ustrial engineers rine engineers and naval architects terials engineers chanical engineers ining and geological engineers, including mining safe clear engineers troleum engineers dineers all other	17-2141 17-2151 17-2161 17-2171	Bachelor's degree Bachelor's degree Bachelor's degree	None None	None None
rine engineers and naval architects terials engineers chanical engineers ing and geological engineers, including mining safe lear engineers roleum engineers gineers, all other hitectural and civil drafters	17-2141 17-2151 17-2161 17-2171 17-2199 17-3011	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree	None None None None	None None None None
rine engineers and naval architects terials engineers chanical engineers ing and geological engineers, including mining safe clear engineers troleum engineers gineers, all other hitectural and civil drafters ctrical and electronics drafters	17-2141 17-2151 17-2161 17-2171 17-2199	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree	None None None	None None None
rine engineers and naval architects terials engineers chanical engineers ing and geological engineers, including mining safe clear engineers	17-2141 17-2151 17-2161 17-2171 17-2199 17-3011 17-3012	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree Associate's degree	None None None None None	None None None None None

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Electrical and electronics engineering technicians Electro-mechanical technicians	17-3023 17-3024	Associate's degree Associate's degree	None None	None None
Environmental engineering technicians	17-3025 17-3026	Associate's degree Associate's degree	None None	None None
Industrial engineering technicians Mechanical engineering technicians	17-3027	Associate's degree	None	None
Engineering technicians, except drafters, all other Surveying and mapping technicians		Associate's degree High school diploma or equivalent	None None	None Moderate-term on-the-job training
Animal scientists	19-1011 19-1012	Bachelor's degree	None	None
Food scientists and technologists Soil and plant scientists	19-1012	Bachelor's degree Bachelor's degree	None None	None None
Biochemists and biophysicists Microbiologists	19-1021 19-1022	Doctoral or professional degree Bachelor's degree	None None	None None
Zoologists and wildlife biologists		Bachelor's degree	None	None
Biological scientists, all other Conservation scientists		Bachelor's degree Bachelor's degree	None None	None None
Foresters Epidemiologists	19-1032 19-1041	Bachelor's degree Master's degree	None None	None None
Medical scientists, except epidemiologists	19-1042	Doctoral or professional degree	None	None
Life scientists, all other Astronomers	19-1099 19-2011	Bachelor's degree Doctoral or professional degree	None None	None None
Physicists	19-2012	Doctoral or professional degree	None	None
Atmospheric and space scientists Chemists		Bachelor's degree Bachelor's degree	None None	None None
Materials scientists Environmental scientists and specialists, including hea		Bachelor's degree Bachelor's degree	None None	None None
Geoscientists, except hydrologists and geographers	19-2042	Bachelor's degree	None	None
Hydrologists Physical scientists, all other	19-2043 19-2099	Bachelor's degree Bachelor's degree	None None	None None
Economists	19-3011	Master's degree	None	None
Survey researchers Clinical, counseling, and school psychologists		Master's degree Doctoral or professional degree	None None	None Internship/residency
Industrial-organizational psychologists Psychologists, all other	19-3032	Master's degree Master's degree	None None	Internship/residency Internship/residency
Sociologists	19-3041	Master's degree	None	None
Urban and regional planners Anthropologists and archeologists	19-3051 19-3091	Master's degree Master's degree	None None	None None
Geographers	19-3092	Bachelor's degree	None	None
Historians Political scientists		Master's degree Master's degree	None None	None None
Social scientists and related workers, all other Agricultural and food science technicians		Bachelor's degree Associate's degree	None None	None Moderate-term on-the-job training
Biological technicians	19-4021	Bachelor's degree	None	None
Chemical technicians Geological and petroleum technicians	19-4031 19-4041	Associate's degree Associate's degree	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Nuclear technicians	19-4051	Associate's degree	None	Moderate-term on-the-job training
Social science research assistants Environmental science and protection technicians, inc		Bachelor's degree Associate's degree	None None	None None
Forensic science technicians	19-4092	Bachelor's degree	None	Moderate-term on-the-job training
Forest and conservation technicians Life, physical, and social science technicians, all other	19-4099		None None	None None
Substance abuse and behavioral disorder counselors Educational, guidance, school, and vocational counse	21-1011	Bachelor's degree Master's degree	None None	None None
Marriage and family therapists	21-1013	Master's degree	None	Internship/residency
Mental health counselors Rehabilitation counselors		Master's degree Master's degree	None None	Internship/residency None
Counselors, all other	21-1019	Master's degree	None	None
Child, family, and school social workers Healthcare social workers		Bachelor's degree Master's degree	None None	None Internship/residency
Mental health and substance abuse social workers Social workers, all other	21-1023 21-1029	Master's degree Bachelor's degree	None None	Internship/residency None
Health educators	21-1091	Bachelor's degree	None	None
Probation officers and correctional treatment specialis Social and human service assistants		Bachelor's degree High school diploma or equivalent	None None	Short-term on-the-job training Short-term on-the-job training
Community health workers	21-1094	High school diploma or equivalent	None	Short-term on-the-job training
Community and social service specialists, all other Clergy	21-2011	Bachelor's degree Bachelor's degree	None None	None Moderate-term on-the-job training
Directors, religious activities and education Religious workers, all other	21-2021 21-2099	Bachelor's degree Bachelor's degree	Less than 5 years None	None None
Lawyers	23-1011	Doctoral or professional degree	None	None
Judicial law clerks Administrative law judges, adjudicators, and hearing o		Doctoral or professional degree Doctoral or professional degree	None 5 years or more	None Short-term on-the-job training
Arbitrators, mediators, and conciliators	23-1022	Bachelor's degree	Less than 5 years 5 years or more	Moderate-term on-the-job training Short-term on-the-job training
Judges, magistrate judges, and magistrates Paralegals and legal assistants	23-1023	Doctoral or professional degree Associate's degree	None	None
Court reporters Title examiners, abstractors, and searchers	23-2091	Postsecondary nondegree award High school diploma or equivalent	None None	Short-term on-the-job training Moderate-term on-the-job training
Legal support workers, all other	23-2099	Associate's degree	None	None
Business teachers, postsecondary Computer science teachers, postsecondary	25-1011 25-1021	Doctoral or professional degree Doctoral or professional degree	None None	None None
Mathematical science teachers, postsecondary Architecture teachers, postsecondary	25-1022 25-1031	Doctoral or professional degree Doctoral or professional degree	None None	None None
Engineering teachers, postsecondary	25-1032	Doctoral or professional degree	None	None
Agricultural sciences teachers, postsecondary Biological science teachers, postsecondary	25-1041 25-1042	Doctoral or professional degree Doctoral or professional degree	None None	None None
Forestry and conservation science teachers, postseco	25-1043	Doctoral or professional degree	None	None
Atmospheric, earth, marine, and space sciences teach Chemistry teachers, postsecondary	25-1052	Doctoral or professional degree Doctoral or professional degree	None None	None None
Environmental science teachers, postsecondary Physics teachers, postsecondary		Doctoral or professional degree Doctoral or professional degree	None None	None None
Anthropology and archeology teachers, postsecondary	25-1061	Doctoral or professional degree	None	None
Area, ethnic, and cultural studies teachers, postsecond Economics teachers, postsecondary	25-1062 25-1063	Doctoral or professional degree Doctoral or professional degree	None None	None None
Geography teachers, postsecondary	25-1064	Doctoral or professional degree	None	None
Political science teachers, postsecondary Psychology teachers, postsecondary	25-1065 25-1066	Doctoral or professional degree Doctoral or professional degree	None None	None None
Sociology teachers, postsecondary Social sciences teachers, postsecondary, all other	25-1067 25-1069	Doctoral or professional degree Doctoral or professional degree	None None	None None
Health specialties teachers, postsecondary	25-1071	Doctoral or professional degree	Less than 5 years	None
Nursing instructors and teachers, postsecondary Education teachers, postsecondary	25-1072 25-1081	Doctoral or professional degree Doctoral or professional degree	Less than 5 years Less than 5 years	None None
		Doctoral or professional degree	None	None None
Library science teachers, postsecondary	25-1082		None	
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary	25-1111 25-1112	Doctoral or professional degree Doctoral or professional degree	Less than 5 years	None
Criminal justice and law enforcement teachers, postset Law teachers, postsecondary Social work teachers, postsecondary	25-1111 25-1112 25-1113	Doctoral or professional degree Doctoral or professional degree	None	None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary	25-1111 25-1112 25-1113 25-1121 25-1122	Doctoral or professional degree Doctoral or professional degree Master's degree Doctoral or professional degree	None None None	None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary	25-1111 25-1112 25-1113 25-1121 25-1122 25-1123	Doctoral or professional degree Doctoral or professional degree Master's degree	None None	None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postsecondary Foreign language and literature teachers, postsecondary History teachers, postsecondary	25-1111 25-1112 25-1113 25-1121 25-1122 25-1123 25-1124 25-1125	Doctoral or professional degree Doctoral or professional degree Master's degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree	None None None None None None	None None None None None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postseconder Foreign language and literature teachers, postseconder History teachers, postsecondary Philosophy and religion teachers, postsecondary Graduate teaching assistants	25-1111 25-1112 25-1113 25-1121 25-1122 25-1123 25-1124 25-1125 25-1126 25-1191	Doctoral or professional degree Doctoral or professional degree Master's degree Doctoral or professional degree Bachelor's degree	None None None None None None None None	None None None None None None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postsecondary Foreign language and literature teachers, postsecondary History teachers, postsecondary Philosophy and religion teachers, postsecondary Graduate teaching assistants Home economics teachers, postsecondary	25-1111 25-1112 25-1113 25-1121 25-1122 25-1123 25-1124 25-1125 25-1126 25-1191 25-1192	Doctoral or professional degree Doctoral or professional degree Master's degree Doctoral or professional degree Bachelor's degree Master's degree	None None None None None None None None	None None None None None None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postsecondr Foreign language and literature teachers, postsecondr History teachers, postsecondary Philosophy and religion teachers, postsecondary Graduate teaching assistants Home economics teachers, postsecondary Recreation and fitness studies teachers, postseconda Vocational education teachers, postsecondary	25-1111 25-1112 25-1113 25-1121 25-1122 25-1123 25-1124 25-1125 25-1126 25-1191 25-1192 25-1193 25-1194	Doctoral or professional degree Bachelor's degree Master's degree Master's degree Bachelor's degree Bachelor's degree	None None None None None None None None	None None None None None None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postseconder Foreign language and literature teachers, postsecondary History teachers, postsecondary Philosophy and religion teachers, postsecondary Graduate teaching assistants Home economics teachers, postsecondary Recreation and fitness studies teachers, postsecondary Vocational education teachers, postsecondary Postsecondary teachers, all other Preschool teachers, except special education	25-1111 25-1112 25-1113 25-1121 25-1122 25-1122 25-1123 25-1124 25-1125 25-1191 25-1192 25-1193 25-1199 25-1199 25-1199 25-2011	Doctoral or professional degree Bachelor's degree Master's degree Master's degree Bachelor's degree Bachelor's degree Bachelor's degree Doctoral or professional degree Doctoral or professional degree Bachelor's degree	None None None None None None None None	None None None None None None None None
Criminal justice and law enforcement teachers, postse Law teachers, postsecondary Social work teachers, postsecondary Art, drama, and music teachers, postsecondary Communications teachers, postsecondary English language and literature teachers, postsecondary Foreign language and literature teachers, postsecondary History teachers, postsecondary Philosophy and religion teachers, postsecondary Graduate teaching assistants Home economics teachers, postsecondary Recreation and fitness studies teachers, postsecondary Vocational education teachers, postsecondary Postsecondary teachers, all other	25-1111 25-1112 25-1113 25-1121 25-1122 25-1122 25-1123 25-1124 25-1125 25-1191 25-1192 25-1193 25-1199 25-1199 25-1199 25-2011	Doctoral or professional degree Master's degree Master's degree Doctoral or professional degree Bachelor's degree Doctoral or professional degree Doctoral or professional degree	None None None None None None None None	None None None None None None None None

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Middle school teachers, except special and career/tec Career/technical education teachers, middle school		Bachelor's degree Bachelor's degree	None Less than 5 years	None None
Secondary school teachers, except special and caree		Bachelor's degree Bachelor's degree	None	None
Career/technical education teachers, secondary school Special education teachers, preschool	25-2051	Bachelor's degree	Less than 5 years None	None None
Special education teachers, kindergarten and element Special education teachers, middle school	25-2052 25-2053	Bachelor's degree Bachelor's degree	None None	None None
Special education teachers, secondary school	25-2054	Bachelor's degree	None	None
Special education teachers, all other Adult basic and secondary education and literacy teac		Bachelor's degree Bachelor's degree	None None	None None
Self-enrichment education teachers	25-3021	High school diploma or equivalent	Less than 5 years	None
Teachers and instructors, all other Archivists	25-3099 25-4011	Bachelor's degree Master's degree	None None	None None
Curators	25-4012	Master's degree	None	None
Museum technicians and conservators Librarians	25-4013 25-4021	Bachelor's degree Master's degree	None None	None None
Library technicians	25-4031	Postsecondary nondegree award	None	None
Audio-visual and multimedia collections specialists Farm and home management advisors	25-9011 25-9021	Bachelor's degree Master's degree	Less than 5 years None	None None
Instructional coordinators	25-9031	Master's degree	5 years or more	None
Teacher assistants Education, training, and library workers, all other	25-9041 25-9099	Some college, no degree Bachelor's degree	None None	None None
Art directors	27-1011	Bachelor's degree	5 years or more	None
Craft artists Fine artists, including painters, sculptors, and illustrate	27-1012 27-1013	No formal educational credential Bachelor's degree	None None	Long-term on-the-job training Long-term on-the-job training
Multimedia artists and animators Artists and related workers, all other		Bachelor's degree No formal educational credential	None None	None Long-term on-the-job training
Commercial and industrial designers		Bachelor's degree	None	None None
Fashion designers Floral designers	27-1022 27-1023	Bachelor's degree High school diploma or equivalent	None None	None Moderate-term on-the-job training
Graphic designers	27-1024	Bachelor's degree	None	None
Interior designers Merchandise displayers and window trimmers	27-1025 27-1026	Bachelor's degree High school diploma or equivalent	None None	None Short-term on-the-job training
Set and exhibit designers	27-1027	Bachelor's degree	None	None
Designers, all other Actors	27-1029 27-2011	Bachelor's degree Some college, no degree	None None	None Long-term on-the-job training
Producers and directors	27-2012	Bachelor's degree	Less than 5 years	None
Athletes and sports competitors Coaches and scouts	27-2021 27-2022	No formal educational credential Bachelor's degree	None None	Long-term on-the-job training None
Umpires, referees, and other sports officials	27-2023	High school diploma or equivalent	None	Moderate-term on-the-job training
Dancers Choreographers	27-2031 27-2032	No formal educational credential High school diploma or equivalent	None 5 years or more	Long-term on-the-job training Long-term on-the-job training
Music directors and composers	27-2041	Bachelor's degree	Less than 5 years	None
Musicians and singers Entertainers and performers, sports and related worke	27-2042	No formal educational credential No formal educational credential	None None	Long-term on-the-job training Short-term on-the-job training
Radio and television announcers Public address system and other announcers	27-3011 27-3012	Bachelor's degree High school diploma or equivalent	None None	None Short-term on-the-job training
Broadcast news analysts	27-3021	Bachelor's degree	None	None None
Reporters and correspondents Public relations specialists	27-3022 27-3031	Bachelor's degree Bachelor's degree	None None	None None
Editors	27-3041	Bachelor's degree	Less than 5 years	None
Technical writers Writers and authors		Bachelor's degree Bachelor's degree	Less than 5 years None	Short-term on-the-job training Long-term on-the-job training
Interpreters and translators	27-3091	Bachelor's degree	None	None
Media and communication workers, all other Audio and video equipment technicians	27-3099 27-4011	High school diploma or equivalent Postsecondary nondegree award	None None	Short-term on-the-job training Short-term on-the-job training
Broadcast technicians	27-4012	Associate's degree	None	Short-term on-the-job training
Radio operators Sound engineering technicians	27-4013 27-4014	High school diploma or equivalent Postsecondary nondegree award	None None	Short-term on-the-job training Short-term on-the-job training
Photographers	27-4021	High school diploma or equivalent		Long-term on-the-job training
Camera operators, television, video, and motion picture. Film and video editors	27-4031	Bachelor's degree Bachelor's degree	None None	None None
Media and communication equipment workers, all other	27-4099 29-1011	High school diploma or equivalent	None	Short-term on-the-job training
Chiropractors Dentists, general	29-1011	Doctoral or professional degree Doctoral or professional degree	None None	None None
Oral and maxillofacial surgeons Orthodontists	29-1022 29-1023	Doctoral or professional degree Doctoral or professional degree	None None	Internship/residency Internship/residency
Prosthodontists	29-1024	Doctoral or professional degree	None	Internship/residency
Dentists, all other specialists Dietitians and nutritionists		Doctoral or professional degree Bachelor's degree	None None	Internship/residency Internship/residency
Optometrists	29-1041	Doctoral or professional degree	None	None
Pharmacists Anesthesiologists	29-1051 29-1061	Doctoral or professional degree Doctoral or professional degree	None None	None Internship/residency
Family and general practitioners	29-1062	Doctoral or professional degree	None	Internship/residency
Internists, general Obstetricians and gynecologists		Doctoral or professional degree Doctoral or professional degree	None None	Internship/residency Internship/residency
Pediatricians, general Psychiatrists	29-1065	Doctoral or professional degree Doctoral or professional degree	None None	Internship/residency Internship/residency
Surgeons	29-1067	Doctoral or professional degree	None	Internship/residency
Physicians and surgeons, all other Physician assistants	29-1069 29-1071	Doctoral or professional degree Master's degree	None None	Internship/residency None
Podiatrists	29-1081	Doctoral or professional degree	None	Internship/residency
Occupational therapists Physical therapists	29-1122 29-1123	Master's degree Doctoral or professional degree	None None	None None
Radiation therapists	29-1124	Associate's degree	None	None
Recreational therapists Respiratory therapists		Bachelor's degree Associate's degree	None None	None None
Speech-language pathologists	29-1127	Master's degree	None	Internship/residency
Exercise physiologists Therapists, all other	29-1129	Bachelor's degree Bachelor's degree	None None	None None
Veterinarians Registered nurses		Doctoral or professional degree Bachelor's degree	None None	None None
Nurse anesthetists	29-1151	Master's degree	None	None
Nurse midwives Nurse practitioners		Master's degree Master's degree	None None	None None
Audiologists	29-1181	Doctoral or professional degree	None	None
Health diagnosing and treating practitioners, all other Medical and clinical laboratory technologists	29-1199 29-2011	Master's degree Bachelor's degree	None None	None None
Medical and clinical laboratory technicians	29-2012	Associate's degree	None	None
Dental hygienists Cardiovascular technologists and technicians	29-2031	Associate's degree Associate's degree	None None	None None
Diagnostic medical sonographers	29-2032	Associate's degree	None	None
Nuclear medicine technologists Radiologic technologists	29-2034	Associate's degree Associate's degree	None None	None None
Magnetic resonance imaging technologists Emergency medical technicians and paramedics	29-2035 29-2041	Associate's degree	Less than 5 years	None
Dietetic technicians	29-2051	Postsecondary nondegree award Associate's degree	None None	None None
		High school diploma or equivalent	None Less than 5 years	Moderate-term on-the-job training Short-term on-the-job training
Pharmacy technicians	29-2052 29-2053	Postsecondary nondegree award	ycais	to on the job dalling
Pharmacy technicians Psychiatric technicians Respiratory therapy technicians	29-2053 29-2054	Postsecondary nondegree award Associate's degree	None	None
Pharmacy technicians Psychiatric technicians Respiratory therapy technicians Surgical technologists	29-2053 29-2054 29-2055	Associate's degree Postsecondary nondegree award	None None	None
Pharmacy technicians Psychiatric technicians Respiratory therapy technicians Surgical technologists Veterinary technologists and technicians Ophthalmic medical technicians	29-2053 29-2054 29-2055 29-2056 29-2057	Associate's degree Postsecondary nondegree award Associate's degree Postsecondary nondegree award	None None None	None None
Pharmacy technicians Psychiatric technicians Respiratory therapy technicians Surgical technologists Veterinary technologists and technicians Ophthalmic medical technicians Licensed practical and licensed vocational nurses	29-2053 29-2054 29-2055 29-2056	Associate's degree Postsecondary nondegree award Associate's degree Postsecondary nondegree award Postsecondary nondegree award	None None None None None	None None
Pharmacy technicians Psychiatric technicians Respiratory therapy technicians Surgical technologists Veterinary technologists and technicians Ophthalmic medical technicians	29-2053 29-2054 29-2055 29-2056 29-2057 29-2061 29-2071 29-2081	Associate's degree Postsecondary nondegree award Associate's degree Postsecondary nondegree award	None None None	None None None None

Health technologists and technicians, all other	29-2099	Postsecondary nondegree aw	ard None	None
Occupational health and safety specialists	29-9011	Bachelor's degree	None	None
Occupational health and safety technicians Athletic trainers	29-9012 29-9091	High school diploma or equiva Bachelor's degree	None None	Moderate-term on-the-job training None
Genetic counselors Healthcare practitioners and technical workers, all other	29-9092	Master's degree Postsecondary nondegree aw	None ard None	None None
Home health aides	31-1011	High school diploma or equiv	len None	Short-term on-the-job training
Psychiatric aides Nursing assistants	31-1013 31-1014	High school diploma or equiver Postsecondary nondegree aw		Short-term on-the-job training None
Orderlies Occupational therapy assistants	31-1015 31-2011	High school diploma or equival Associate's degree	None None	Short-term on-the-job training None
Occupational therapy aides Physical therapist assistants		High school diploma or equiv	ilent None	Short-term on-the-job training None
Physical therapist aides	31-2022	Associate's degree High school diploma or equiv		Short-term on-the-job training
Massage therapists Dental assistants	31-9011	Postsecondary nondegree aw Postsecondary nondegree aw		None None
Medical assistants Medical equipment preparers	31-9092 31-9093	Postsecondary nondegree aw High school diploma or equiv-		None Moderate-term on-the-job training
Medical transcriptionists	31-9094	Postsecondary nondegree aw	ard None	None
Pharmacy aides Veterinary assistants and laboratory animal caretakers	31-9095 31-9096	High school diploma or equive High school diploma or equive		Short-term on-the-job training Short-term on-the-job training
Phlebotomists Healthcare support workers, all other	31-9097 31-9099	Postsecondary nondegree aw High school diploma or equiv-		None None
First-line supervisors of correctional officers First-line supervisors of police and detectives	33-1011 33-1012	High school diploma or equiver High school diploma or equiver	len Less than 5 years	None Moderate-term on-the-job training
First-line supervisors of fire fighting and prevention wo	33-1021	Postsecondary nondegree aw	ard Less than 5 years	Moderate-term on-the-job training
First-line supervisors of protective service workers, all Firefighters	33-1099 33-2011	High school diploma or equiver Postsecondary nondegree aw		None Long-term on-the-job training
Fire inspectors and investigators Forest fire inspectors and prevention specialists	33-2021 33-2022	Postsecondary nondegree aw High school diploma or equiv	ard 5 years or more	Moderate-term on-the-job training Moderate-term on-the-job training
Bailiffs	33-3011	High school diploma or equiv	len None	Moderate-term on-the-job training
Correctional officers and jailers Detectives and criminal investigators	33-3012 33-3021	High school diploma or equiva- High school diploma or equiva-		Moderate-term on-the-job training Moderate-term on-the-job training
Fish and game wardens Parking enforcement workers	33-3031 33-3041	Bachelor's degree High school diploma or equiv	None Ilent None	Moderate-term on-the-job training Short-term on-the-job training
Police and sheriff's patrol officers	33-3051	High school diploma or equiv	ilent None	Moderate-term on-the-job training
Transit and railroad police Animal control workers	33-3052 33-9011	High school diploma or equivalent High s	ilent None	Moderate-term on-the-job training Moderate-term on-the-job training
Private detectives and investigators Gaming surveillance officers and gaming investigators	33-9021 33-9031	High school diploma or equiva- High school diploma or equiva-		Moderate-term on-the-job training Moderate-term on-the-job training
Security guards	33-9032	High school diploma or equiv-	len None	Short-term on-the-job training
Crossing guards Lifeguards, ski patrol, and other recreational protective		No formal educational creden	ial None	Short-term on-the-job training Short-term on-the-job training
Transportation security screeners Protective service workers, all other	33-9093 33-9099	High school diploma or equiva- High school diploma or equiva-		Short-term on-the-job training Short-term on-the-job training
Chefs and head cooks First-line supervisors of food preparation and serving	35-1011 35-1012	High school diploma or equiva- High school diploma or equiva-		None None
Cooks, fast food	35-2011	No formal educational creden	ial None	Short-term on-the-job training
Cooks, institution and cafeteria Cooks, private household	35-2012 35-2013	No formal educational credent Postsecondary nondegree aw	ard Less than 5 years	Short-term on-the-job training None
Cooks, restaurant Cooks, short order		No formal educational creden No formal educational creden		Moderate-term on-the-job training Short-term on-the-job training
Cooks, all other Food preparation workers	35-2019 35-2021	No formal educational creden No formal educational creden	ial None	Moderate-term on-the-job training Short-term on-the-job training
Bartenders	35-3011	No formal educational creden	ial None	Short-term on-the-job training
Combined food preparation and serving workers, inclu Counter attendants, cafeteria, food concession, and co	35-3021 35-3022	No formal educational creden No formal educational creden		Short-term on-the-job training Short-term on-the-job training
Waiters and waitresses Food servers, nonrestaurant	35-3031 35-3041	No formal educational creden No formal educational creden		Short-term on-the-job training Short-term on-the-job training
Dining room and cafeteria attendants and bartender he	35-9011	No formal educational creden	ial None	Short-term on-the-job training
Dishwashers Hosts and hostesses, restaurant, lounge, and coffee s	35-9021 35-9031	No formal educational creden No formal educational creden	ial None	Short-term on-the-job training Short-term on-the-job training
Food preparation and serving related workers, all othe First-line supervisors of housekeeping and janitorial w		No formal educational creden High school diploma or equiv-		Short-term on-the-job training None
First-line supervisors of landscaping, lawn service, and Janitors and cleaners, except maids and housekeepin	37-1012	High school diploma or equiva	lent Less than 5 years	None Short-term on-the-job training
Maids and housekeeping cleaners	37-2012	No formal educational creden	ial None	Short-term on-the-job training
Building cleaning workers, all other Pest control workers		No formal educational creden High school diploma or equiv-		Short-term on-the-job training Moderate-term on-the-job training
Landscaping and groundskeeping workers Pesticide handlers, sprayers, and applicators, vegetati		No formal educational creden High school diploma or equiv-		Short-term on-the-job training Moderate-term on-the-job training
Tree trimmers and pruners	37-3013	High school diploma or equiv	ilen None	Short-term on-the-job training Short-term on-the-job training
Grounds maintenance workers, all other Gaming supervisors	39-1011	No formal educational creden High school diploma or equiv-	len Less than 5 years	None
Slot supervisors First-line supervisors of personal service workers	39-1012 39-1021	High school diploma or equiva- High school diploma or equiva-		None None
Animal trainers Nonfarm animal caretakers	39-2011	High school diploma or equiva	leni None	Moderate-term on-the-job training Short-term on-the-job training
Gaming dealers	39-3011	High school diploma or equiv	ilen None	Short-term on-the-job training
Gaming and sports book writers and runners Gaming service workers, all other	39-3012 39-3019	High school diploma or equiva- High school diploma or equiva-		Short-term on-the-job training Short-term on-the-job training
Motion picture projectionists Ushers, lobby attendants, and ticket takers	39-3021 39-3031	No formal educational creden No formal educational creden		Short-term on-the-job training Short-term on-the-job training
Amusement and recreation attendants Costume attendants	39-3091	No formal educational creden	ial None	Short-term on-the-job training
Locker room, coatroom, and dressing room attendants	39-3093	High school diploma or equive	len None	Short-term on-the-job training Short-term on-the-job training
Entertainment attendants and related workers, all othe Embalmers	39-4011	High school diploma or equivant Associate's degree	None None	Short-term on-the-job training Long-term on-the-job training
Funeral attendants Morticians, undertakers, and funeral directors	39-4021 39-4031	High school diploma or equivalence Associate's degree		Short-term on-the-job training Long-term on-the-job training
Barbers	39-5011	Postsecondary nondegree aw	ard None	None
Hairdressers, hairstylists, and cosmetologists Makeup artists, theatrical and performance	39-5091	Postsecondary nondegree aw Postsecondary nondegree aw	ard None	None None
Manicurists and pedicurists Shampooers	39-5092 39-5093	Postsecondary nondegree aw No formal educational creden		None Short-term on-the-job training
Skincare specialists Baggage porters and bellhops	39-5094 39-6011	Postsecondary nondegree aw High school diploma or equiv	ard None	None Short-term on-the-job training
Concierges	39-6012	High school diploma or equiv	ilen None	Moderate-term on-the-job training
Tour guides and escorts Travel guides		High school diploma or equive High school diploma or equive	len None	Moderate-term on-the-job training Moderate-term on-the-job training
Childcare workers Personal care aides	39-9011 39-9021	High school diploma or equiva High school diploma or equiva		Short-term on-the-job training Short-term on-the-job training
Fitness trainers and aerobics instructors	39-9031	High school diploma or equiv- High school diploma or equiv-	len None	Short-term on-the-job training
Recreation workers Residential advisors	39-9041	High school diploma or equiv	len None	Short-term on-the-job training Short-term on-the-job training
Personal care and service workers, all other First-line supervisors of retail sales workers	39-9099 41-1011	High school diploma or equiva- High school diploma or equiva-		Short-term on-the-job training None
First-line supervisors of non-retail sales workers	41-1012	High school diploma or equiv	len Less than 5 years	None
Cashiers Gaming change persons and booth cashiers	41-2012	No formal educational creden No formal educational creden	ial None	Short-term on-the-job training Short-term on-the-job training
Counter and rental clerks Parts salespersons		No formal educational creden No formal educational creden		Short-term on-the-job training Moderate-term on-the-job training
Retail salespersons Advertising sales agents	41-2031 41-3011	No formal educational creden High school diploma or equiv	ial None	Short-term on-the-job training Moderate-term on-the-job training
Insurance sales agents	41-3021	High school diploma or equiv	len None	Moderate-term on-the-job training
Securities, commodities, and financial services sales a Travel agents		Bachelor's degree High school diploma or equiv		Moderate-term on-the-job training Moderate-term on-the-job training
Sales representatives, services, all other		High school diploma or equiv		Moderate-term on-the-job training

Sales representatives, wholesale and manufacturing	41-4011	Bachelor's degree	None	Moderate-term on the job training
Sales representatives, wholesale and manufacturing, Sales representatives, wholesale and manufacturing,	41-4012	Bachelor's degree High school diploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Demonstrators and product promoters Models	41-9011 41-9012	No formal educational credential No formal educational credential	None None	Short-term on-the-job training None
Real estate brokers Real estate sales agents	41-9021 41-9022	High school diploma or equivalen High school diploma or equivalen	Less than 5 years None	None Moderate-term on-the-job training
Sales engineers Telemarketers	41-9031 41-9041	Bachelor's degree No formal educational credential	None None	Moderate-term on-the-job training Short-term on-the-job training
Door-to-door sales workers, news and street vendors,	41-9091	No formal educational credential	None	Short-term on-the-job training
Sales and related workers, all other First-line supervisors of office and administrative supp		High school diploma or equivalen High school diploma or equivalen	Less than 5 years	None None
Switchboard operators, including answering service Telephone operators	43-2011 43-2021	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Communications equipment operators, all other Bill and account collectors	43-2099 43-3011	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Moderate-term on-the-job training
Billing and posting clerks Bookkeeping, accounting, and auditing clerks	43-3021 43-3031	High school diploma or equivalen Some college, no degree	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Gaming cage workers Payroll and timekeeping clerks	43-3041	High school diploma or equivalen High school diploma or equivalen	None	Short-term on-the-job training
Procurement clerks	43-3051 43-3061	High school diploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Tellers Financial clerks, all other	43-3071 43-3099	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Brokerage clerks Correspondence clerks	43-4011 43-4021	High school diploma or equivalen High school diploma or equivalen	None None	Moderate-term on-the-job training Short-term on-the-job training
Court, municipal, and license clerks Credit authorizers, checkers, and clerks	43-4031 43-4041	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Customer service representatives Eligibility interviewers, government programs	43-4051 43-4061	High school diploma or equivalen High school diploma or equivalen	None	Short-term on-the-job training Moderate-term on-the-job training
File clerks	43-4071	High school diploma or equivalen	None	Short-term on-the-job training
Hotel, motel, and resort desk clerks Interviewers, except eligibility and loan	43-4081 43-4111	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Library assistants, clerical Loan interviewers and clerks	43-4121 43-4131	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
New accounts clerks Order clerks	43-4141 43-4151	High school diploma or equivalen High school diploma or equivalen	None None	Moderate-term on-the-job training Short-term on-the-job training
Human resources assistants, except payroll and timek Receptionists and information clerks		Associate's degree High school diploma or equivalen	None None	None Short-term on-the-job training
Reservation and transportation ticket agents and trave	43-4181	High school diploma or equivalen	None	Short-term on-the-job training
Information and record clerks, all other Cargo and freight agents	43-4199 43-5011	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Couriers and messengers Police, fire, and ambulance dispatchers	43-5021 43-5031	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Moderate-term on-the-job training
Dispatchers, except police, fire, and ambulance Meter readers, utilities	43-5032 43-5041	High school diploma or equivalen High school diploma or equivalen	None	Moderate-term on-the-job training Short-term on-the-job training
Postal service clerks Postal service mail carriers	43-5051 43-5052	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Postal service mail sorters, processors, and processing	43-5053	High school diploma or equivalen	None	Short-term on-the-job training
Production, planning, and expediting clerks Shipping, receiving, and traffic clerks	43-5061 43-5071	High school diploma or equivalen High school diploma or equivalen	None None	Moderate-term on-the-job training Short-term on-the-job training
Stock clerks and order fillers Weighers, measurers, checkers, and samplers, record	43-5081 43-5111	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Executive secretaries and executive administrative as Legal secretaries	43-6011 43-6012	High school diploma or equivalen High school diploma or equivalen	Less than 5 years None	None Moderate-term on-the-job training
Medical secretaries Secretaries and administrative assistants, except legal	43-6013	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Short-term on-the-job training
Computer operators	43-9011	High school diploma or equivalen	None	Moderate-term on-the-job training
Data entry keyers Word processors and typists	43-9021 43-9022	High school diploma or equivalen High school diploma or equivalen	None None	Short-term on-the-job training Short-term on-the-job training
Desktop publishers Insurance claims and policy processing clerks	43-9031 43-9041	Associate's degree High school diploma or equivalen	None None	Short-term on-the-job training Moderate-term on-the-job training
Mail clerks and mail machine operators, except postal Office clerks, general	43-9051 43-9061	High school diploma or equivalen High school diploma or equivalen		Short-term on-the-job training Short-term on-the-job training
Office machine operators, except computer Proofreaders and copy markers	43-9071 43-9081	High school diploma or equivalen Bachelor's degree	None None	Short-term on-the-job training None
Statistical assistants Office and administrative support workers, all other	43-9111 43-9199	Bachelor's degree	None None	None Short-term on-the-iob training
First-line supervisors of farming, fishing, and forestry v	45-1011	High school diploma or equivalen High school diploma or equivalen	Less than 5 years	None
Agricultural inspectors Animal breeders		Bachelor's degree High school diploma or equivalen		Moderate-term on-the-job training Short-term on-the-job training
Graders and sorters, agricultural products Agricultural equipment operators		No formal educational credential No formal educational credential	None None	Short-term on-the-job training Moderate-term on-the-job training
Farmworkers and laborers, crop, nursery, and greenhor Farmworkers, farm, ranch, and aquacultural animals	45-2092 45-2093	No formal educational credential No formal educational credential	None None	Short-term on-the-job training Short-term on-the-job training
Agricultural workers, all other Fishing and hunting workers	45-2099 45-3000	No formal educational credential No formal educational credential	None None	Short-term on-the-job training Moderate-term on-the-job training
Forest and conservation workers Fallers	45-4011 45-4021	High school diploma or equivalen High school diploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Logging equipment operators	45-4022	High school diploma or equivalen	None	Moderate-term on-the-job training
Log graders and scalers Logging workers, all other	45-4029	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
First-line supervisors of construction trades and extract Boilermakers	47-1011 47-2011	High school diploma or equivalen High school diploma or equivalen	5 years or more None	None Apprenticeship
Brickmasons and blockmasons Stonemasons	47-2021 47-2022	High school diploma or equivalen High school diploma or equivalen		Apprenticeship Apprenticeship
Carpenters Carpet installers		High school diploma or equivalen	None	Apprenticeship Short-term on-the-job training
Floor layers, except carpet, wood, and hard tiles	47-2042 47-2043	No formal educational credential No formal educational credential No formal educational credential	None	Moderate-term on-the-job training
Floor sanders and finishers Tile and marble setters	47-2044	No formal educational credential	None None	Moderate-term on-the-job training Long-term on-the-job training
Cement masons and concrete finishers Terrazzo workers and finishers	47-2051 47-2053	No formal educational credential High school diploma or equivalen		Moderate-term on-the-job training Apprenticeship
Construction laborers Paving, surfacing, and tamping equipment operators	47-2061 47-2071	No formal educational credential High school diploma or equivalen	None	Short-term on-the-job training Moderate-term on-the-job training
Pile-driver operators Operating engineers and other construction equipmen	47-2072	High school diploma or equivalen High school diploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Drywall and ceiling tile installers Tapers	47-2081 47-2082	No formal educational credential No formal educational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training
Electricians	47-2111	High school diploma or equivalen	None	Apprenticeship
Glaziers Insulation workers, floor, ceiling, and wall	47-2121 47-2131	High school diploma or equivalen No formal educational credential	None None	Apprenticeship Short-term on-the-job training
Insulation workers, mechanical Painters, construction and maintenance	47-2132 47-2141	High school diploma or equivalen No formal educational credential		Apprenticeship Moderate-term on-the-job training
Paperhangers Pipelayers	47-2142	No formal educational credential No formal educational credential	None None	Long-term on-the-job training Short-term on-the-job training
Plumbers, pipefitters, and steamfitters Plasterers and stucco masons	47-2152 47-2161	High school diploma or equivalent No formal educational credential		Apprenticeship Long-term on-the-job training
Reinforcing iron and rebar workers	47-2171	High school diploma or equivalen	None	Apprenticeship
Roofers Sheet metal workers	47-2181 47-2211	No formal educational credential High school diploma or equivalen		Moderate-term on-the-job training Apprenticeship
Structural iron and steel workers Solar photovoltaic installers	47-2221 47-2231	High school diploma or equivalen High school diploma or equivalen		Apprenticeship Moderate-term on-the-job training
Helpersbrickmasons, blockmasons, stonemasons, al Helperscarpenters		No formal educational credential No formal educational credential	None None	Short-term on-the-job training Short-term on-the-job training
			None	Short-term on-the-job training
Helperselectricians	47-3013	High school diploma or equivalent		Short-term on-the-job training
Helperselectricians Helperspainters, paperhangers, plasterers, and stucc Helperspipelayers, plumbers, pipefitters, and steamfi Helpersroofers	47-3014 47-3015	No formal educational credential High school diploma or equivalen No formal educational credential	None None None	Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training

Construction and building inspectors	47-4011	High cahool d	inlomo or oquivalon	E voors or more	Moderate term on the job training
Construction and building inspectors Elevator installers and repairers	47-4021	High school d	iploma or equivalen	None	Moderate-term on-the-job training Apprenticeship
Fence erectors Hazardous materials removal workers	47-4031 47-4041	High school d	icational credential iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Highway maintenance workers Rail-track laying and maintenance equipment operator	47-4051 47-4061		iploma or equivalen iploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Septic tank servicers and sewer pipe cleaners Segmental pavers	47-4071 47-4091		iploma or equivalen iploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Construction and related workers, all other Derrick operators, oil and gas	47-4099 47-5011	High school d	iploma or equivalen		Moderate-term on-the-job training Short-term on-the-job training
Rotary drill operators, oil and gas Service unit operators, oil, gas, and mining	47-5012 47-5013	No formal edu	ucational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Earth drillers, except oil and gas	47-5021	High school d	iploma or equivalen	None	Moderate-term on-the-job training
Explosives workers, ordnance handling experts, and be Continuous mining machine operators	47-5041	No formal edu	iploma or equivalen ucational credential	None	Long-term on-the-job training Moderate-term on-the-job training
Mine cutting and channeling machine operators Mining machine operators, all other	47-5042 47-5049	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Rock splitters, quarry Roof bolters, mining	47-5051 47-5061	High school d	icational credential iploma or equivalen	None None	Short-term on-the-job training Moderate-term on-the-job training
Roustabouts, oil and gas Helpersextraction workers	47-5071 47-5081		icational credential iploma or equivalen	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Extraction workers, all other First-line supervisors of mechanics, installers, and rep	47-5099 49-1011		iploma or equivalen iploma or equivalen		Moderate-term on-the-job training None
Computer, automated teller, and office machine repair Radio, cellular, and tower equipment installers and rep		Some college Associate's de		None None	Short-term on-the-job training Moderate-term on-the-job training
Telecommunications equipment installers and repaire Avionics technicians			y nondegree award	None None	Moderate-term on-the-job training None
Electric motor, power tool, and related repairers Electrical and electronics installers and repairers, tran	49-2092	High school d	iploma or equivalen y nondegree award	Less than 5 years	Moderate-term on-the-job training Long-term on-the-job training
Electrical and electronics repairers, commercial and in	49-2094	Postsecondar	y nondegree award	None	Long-term on-the-job training
Electrical and electronics repairers, powerhouse, subs Electronic equipment installers and repairers, motor vi	49-2096	High school d	y nondegree award iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Electronic home entertainment equipment installers an Security and fire alarm systems installers	49-2098	High school d	y nondegree award iploma or equivalen	None	Short-term on-the-job training Moderate-term on-the-job training
Aircraft mechanics and service technicians Automotive body and related repairers	49-3011 49-3021	High school d	y nondegree award iploma or equivalen		None Long-term on-the-job training
Automotive glass installers and repairers Automotive service technicians and mechanics	49-3022 49-3023		iploma or equivalen y nondegree award		Moderate-term on-the-job training Short-term on-the-job training
Bus and truck mechanics and diesel engine specialist Farm equipment mechanics and service technicians		High school d	iploma or equivalen	None	Long-term on-the-job training Long-term on-the-job training
Mobile heavy equipment mechanics, except engines Rail car repairers	49-3042 49-3043	High school d	iploma or equivalen	None	Long-term on-the-job training Long-term on-the-job training
Motorboat mechanics and service technicians Motorcycle mechanics	49-3051 49-3052	High school d	iploma or equivalen y nondegree award	None	Long-term on-the-job training Short-term on-the-job training
Outdoor power equipment and other small engine med Bicycle repairers		High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Recreational vehicle service technicians	49-3092 49-3093	High school d	iploma or equivalen	None	Long-term on-the-job training
Tire repairers and changers Mechanical door repairers	49-9011	High school d	iploma or equivalen iploma or equivalen	None	Short-term on-the-job training Moderate-term on-the-job training
Control and valve installers and repairers, except med Heating, air conditioning, and refrigeration mechanics		Postsecondar	iploma or equivalen y nondegree award	None	Moderate-term on-the-job training Long-term on-the-job training
Home appliance repairers Industrial machinery mechanics	49-9031 49-9041	High school d	iploma or equivalen iploma or equivalen		Moderate-term on-the-job training Long-term on-the-job training
Maintenance workers, machinery Millwrights	49-9043 49-9044	High school d	iploma or equivalen iploma or equivalen	None	Long-term on-the-job training Apprenticeship
Refractory materials repairers, except brickmasons Electrical power-line installers and repairers	49-9045 49-9051	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Long-term on-the-job training
Telecommunications line installers and repairers Camera and photographic equipment repairers	49-9052 49-9061		iploma or equivalen iploma or equivalen		Long-term on-the-job training Long-term on-the-job training
Medical equipment repairers Musical instrument repairers and tuners	49-9062 49-9063	Associate's de High school d	egree iploma or equivalen	None None	Moderate-term on-the-job training Apprenticeship
Watch repairers Precision instrument and equipment repairers, all other	49-9064 49-9069		iploma or equivalen iploma or equivalen		Long-term on-the-job training Long-term on-the-job training
Maintenance and repair workers, general Wind turbine service technicians	49-9071 49-9081		iploma or equivalen y nondegree award		Moderate-term on-the-job training Long-term on-the-job training
Coin, vending, and amusement machine servicers and Commercial divers	49-9091 49-9092	High school d	iploma or equivalen y nondegree award		Short-term on-the-job training Moderate-term on-the-job training
Fabric menders, except garment Locksmiths and safe repairers	49-9093	High school d	iploma or equivalen	None	Long-term on-the-job training Long-term on-the-job training
Manufactured building and mobile home installers Riggers	49-9095 49-9096	High school d	iploma or equivalen	None	Short-term on-the-job training Moderate-term on-the-job training
Signal and track switch repairers Helpersinstallation, maintenance, and repair workers	49-9097	High school d	iploma or equivalen	None	Moderate-term on-the-job training Short-term on-the-job training
Installation, maintenance, and repair workers, all other First-line supervisors of production and operating work	49-9099	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training None
Aircraft structure, surfaces, rigging, and systems asse Coil winders, tapers, and finishers		High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Electrical and electronic equipment assemblers	51-2022 51-2023	High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Electromechanical equipment assemblers Engine and other machine assemblers	51-2031	High school d	iploma or equivalen	None	Moderate-term on-the-job training
Structural metal fabricators and fitters Fiberglass laminators and fabricators	51-2041 51-2091	High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Team assemblers Timing device assemblers and adjusters	51-2092	High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Assemblers and fabricators, all other Bakers	51-2099 51-3011	No formal edu	iploma or equivalen ucational credential	None	Moderate-term on-the-job training Long-term on-the-job training
Butchers and meat cutters Meat, poultry, and fish cutters and trimmers	51-3021 51-3022	No formal edu	ucational credential ucational credential		Long-term on-the-job training Short-term on-the-job training
Slaughterers and meat packers Food and tobacco roasting, baking, and drying machin		No formal edu	ucational credential ucational credential	None	Short-term on-the-job training Moderate-term on-the-job training
Food batchmakers Food cooking machine operators and tenders	51-3092 51-3093		iploma or equivalen iploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Food processing workers, all other Computer-controlled machine tool operators, metal an	51-3099 51-4011	No formal edu	icational credential iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Computer numerically controlled machine tool program Extruding and drawing machine setters, operators, and	51-4012	Postsecondar	y nondegree award iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Forging machine setters, operators, and tenders, meta Rolling machine setters, operators, and tenders, meta	51-4022	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Cutting, punching, and press machine setters, operate Drilling and boring machine tool setters, operators, an	51-4031	High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Grinding, lapping, polishing, and buffing machine tool Lathe and turning machine tool setters, operators, and	51-4033	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Milling and planing machine setters, operators, and te Machinists		High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Long-term on-the-job training
Metal-refining furnace operators and tenders Pourers and casters, metal	51-4051 51-4052	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Model makers, metal and plastic	51-4061	High school d	iploma or equivalen	None	Moderate-term on-the-job training
Patternmakers, metal and plastic Foundry mold and coremakers	51-4062	High school d	iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Molding, coremaking, and casting machine setters, op Multiple machine tool setters, operators, and tenders,	51-4072	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Tool and die makers Welders, cutters, solderers, and brazers	51-4111	High school d	y nondegree award iploma or equivalen	None	Long-term on-the-job training Moderate-term on-the-job training
Welding, soldering, and brazing machine setters, open Heat treating equipment setters, operators, and tender	51-4191	High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Layout workers, metal and plastic Plating and coating machine setters, operators, and te		High school d	iploma or equivalen iploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Tool grinders, filers, and sharpeners	51-4194		iploma or equivalen		Moderate-term on-the-job training

Metal workers and plastic workers, all other Prepress technicians and workers	51-4199	High school diploma or equivalen	None	Moderate-term on-the-job training
	51-5111	Postsecondary nondegree award		None
Printing press operators	51-5112	High school diploma or equivalen	None	Moderate-term on-the-job training
Print binding and finishing workers	51-5113	High school diploma or equivalen		Moderate-term on-the-job training
Laundry and dry-cleaning workers Pressers, textile, garment, and related materials	51-6011 51-6021	No formal educational credential No formal educational credential	None None	Short-term on-the-job training Short-term on-the-job training
Sewing machine operators	51-6021	No formal educational credential	None	Short-term on-the-job training
Shoe and leather workers and repairers	51-6041	High school diploma or equivalen		Moderate-term on-the-job training
Shoe machine operators and tenders	51-6042	High school diploma or equivalen		Short-term on-the-job training
Sewers, hand Tailors, dressmakers, and custom sewers	51-6051 51-6052	No formal educational credential No formal educational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Textile bleaching and dyeing machine operators and t		High school diploma or equivalen		Short-term on-the-job training
Textile cutting machine setters, operators, and tenders	51-6062	High school diploma or equivalen		Moderate-term on-the-job training
Textile knitting and weaving machine setters, operator		High school diploma or equivalen		Short-term on-the-job training
Textile winding, twisting, and drawing out machine set Extruding and forming machine setters, operators, and		High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Fabric and apparel patternmakers	51-6092	High school diploma or equivalen		Moderate-term on-the-job training
Upholsterers	51-6093	High school diploma or equivalen		Moderate-term on-the-job training
Textile, apparel, and furnishings workers, all other Cabinetmakers and bench carpenters	51-6099 51-7011	High school diploma or equivalen High school diploma or equivalen		Short-term on-the-job training Moderate-term on-the-job training
Furniture finishers	51-7021	High school diploma or equivalen		Short-term on-the-job training
Model makers, wood	51-7031	High school diploma or equivalen		Moderate-term on-the-job training
Patternmakers, wood Sawing machine setters, operators, and tenders, wood	51-7032 51-7041	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Woodworking machine setters, operators, and tenders		High school diploma or equivalen		Moderate-term on-the-job training
Woodworkers, all other	51-7099	High school diploma or equivalen		Moderate-term on-the-job training
Nuclear power reactor operators Power distributors and dispatchers	51-8011 51-8012	High school diploma or equivalen High school diploma or equivalen		Long-term on-the-job training Long-term on-the-job training
Power plant operators	51-8013	High school diploma or equivalen		Long-term on-the-job training
Stationary engineers and boiler operators	51-8021	High school diploma or equivalen		Long-term on-the-job training
Water and wastewater treatment plant and system open Chemical plant and system operators	51-8031	High school diploma or equivalen High school diploma or equivalen		Long-term on-the-job training Moderate-term on-the-job training
Gas plant operators	51-8092	High school diploma or equivalen		Long-term on-the-job training
Petroleum pump system operators, refinery operators,	51-8093	High school diploma or equivalen		Moderate-term on-the-job training
Plant and system operators, all other Chemical equipment operators and tenders	51-8099 51-9011	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Separating, filtering, clarifying, precipitating, and still r		High school diploma or equivalent		Moderate-term on-the-job training
Crushing, grinding, and polishing machine setters, ope		High school diploma or equivalen	None	Moderate-term on-the-job training
Grinding and polishing workers, hand Mixing and blending machine setters, operators, and t	51-9022 51-9023	No formal educational credential High school diploma or equivalen	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Cutters and trimmers, hand	51-9023	No formal educational credential		Short-term on-the-job training
Cutting and slicing machine setters, operators, and te		High school diploma or equivalen	None	Moderate-term on-the-job training
Extruding, forming, pressing, and compacting machine Furnace, kiln, oven, drier, and kettle operators and ter		High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Inspectors, testers, sorters, samplers, and weighers	51-9061	High school diploma or equivalen		Moderate-term on-the-job training
Jewelers and precious stone and metal workers	51-9071	High school diploma or equivalen	None	Long-term on-the-job training
Dental laboratory technicians Medical appliance technicians	51-9081 51-9082	High school diploma or equivalent		Moderate-term on-the-job training Moderate-term on-the-job training
Ophthalmic laboratory technicians	51-9083	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training
Packaging and filling machine operators and tenders	51-9111	High school diploma or equivalen	None	Moderate-term on-the-job training
Coating, painting, and spraying machine setters, open	51-9121 51-9122	High school diploma or equivalen		Moderate-term on-the-job training
Painters, transportation equipment Painting, coating, and decorating workers	51-9123	High school diploma or equivalent No formal educational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training
Semiconductor processors	51-9141	High school diploma or equivalen		Moderate-term on-the-job training
Photographic process workers and processing machin		High school diploma or equivalen		Short-term on-the-job training
Adhesive bonding machine operators and tenders Cleaning, washing, and metal pickling equipment oper	51-9191	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training Moderate-term on-the-job training
Cooling and freezing equipment operators and tender		High school diploma or equivalen		Moderate-term on-the-job training
Etchers and engravers	51-9194	High school diploma or equivalen		Moderate-term on-the-job training
Molders, shapers, and casters, except metal and plast Paper goods machine setters, operators, and tenders	51-9195	High school diploma or equivalen High school diploma or equivalen		Long-term on-the-job training Moderate-term on-the-job training
Tire builders	51-9197	High school diploma or equivalen		Moderate-term on-the-job training
Helpersproduction workers	51-9198	High school diploma or equivalen		Short-term on-the-job training
Production workers, all other Aircraft cargo handling supervisors	51-9199 53-1011	High school diploma or equivalen High school diploma or equivalen		Moderate-term on-the-job training None
First-line supervisors of helpers, laborers, and materia		High school diploma or equivalen	Less than 5 years	None
First-line supervisors of transportation and material-m		High school diploma or equivalen		None
Airline pilots, copilots, and flight engineers Commercial pilots	53-2011 53-2012	Bachelor's degree High school diploma or equivalen	Less than 5 years None	Moderate-term on-the-job training Moderate-term on-the-job training
Air traffic controllers	53-2021		None	Long-term on-the-job training
Airfield operations specialists		High school diploma or equivalen		Long-term on-the-job training
Flight attendants	53-2031	High school diploma or equivalen High school diploma or equivalen	Less than 5 years	
Ampulance drivers and attendants, except emergency			None	Moderate-term on-the-job training Moderate-term on-the-job training
Ambulance drivers and attendants, except emergency Bus drivers, transit and intercity	53-3021	High school diploma or equivalen	None	Moderate-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client	53-3021 53-3022	High school diploma or equivalen High school diploma or equivalen	None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training
Bus drivers, transit and intercity	53-3021	High school diploma or equivalen	None None None	Moderate-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers	53-3021 53-3022 53-3031 53-3032 53-3033	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen	None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential	None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other	53-3021 53-3022 53-3031 53-3032 53-3033	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen	None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012 53-4013	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railiroad brake, signal, and switch operators Railiroad conductors and yardmasters Subway and streetcar operators	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012 53-4013 53-4021 53-4031 53-4041	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-4011 53-4012 53-4021 53-4031 53-4099	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railiroad brake, signal, and switch operators Railiroad conductors and yardmasters Subway and streetcar operators	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012 53-4013 53-4021 53-4031 53-4041	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential High school diploma or equivalen High school diploma or equivalen No formal educational credential	None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad brake, signal, and switch operators Railroad brake, signal, and switch operators Railroad sonductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Sailors and marine oilers Captains, mates, and pilots of water vessels Motorboat operators	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012 53-4021 53-4021 53-4099 53-5011 53-5022	High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen No formal educational credential Postsecondary nondegree award Postsecondary nondegree award	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training None None
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railyard engineers, dinkey operators Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Sailors and marine oilers Captains, mates, and pilots of water vessels Motorboat operators Ship engineers	53-3021 53-3022 53-3031 53-3033 53-3033 53-3099 53-4011 53-4012 53-4021 53-4041 53-4099 53-5011 53-5021 53-5021 53-5031	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen No formal educational credential Postsecondary nondegree award Postsecondary nondegree award Postsecondary nondegree award	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training None None
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad brake, signal, and switch operators Railroad brake, signal, and switch operators Railroad sonductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Sailors and marine oilers Captains, mates, and pilots of water vessels Motorboat operators	53-3021 53-3022 53-3031 53-3032 53-3033 53-3041 53-3099 53-4011 53-4012 53-4021 53-4021 53-4099 53-5011 53-5022	High school diploma or equivalen Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential High school diploma or equivalen No formal educational credential Postsecondary nondegree award Postsecondary nondegree award	None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training None None
Bus drivers, transit and intercity Bus drivers, school or special client Driver/sales workers Heavy and tractor-trailer truck drivers Light truck or delivery services drivers Taxi drivers and chauffeurs Motor vehicle operators, all other Locomotive engineers Locomotive firers Rail yard engineers, dinkey operators, and hostlers Railroad brake, signal, and switch operators Railroad conductors and yardmasters Subway and streetcar operators Rail transportation workers, all other Sailors and marine oilers Captains, mates, and pilots of water vessels Motorboat operators Ship engineers Bridge and lock tenders Parking lot attendants Automotive and watercraft service attendants	53-3021 53-3022 53-3032 53-3033 53-3033 53-3041 53-4012 53-4021 53-4031 53-4031 53-4099 53-5011 53-5021 53-5021 53-5031 53-6011 53-6031	High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen High school diploma or equivalen No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalen High school diploma or equivalen Postsecondary nondegree award Postsecondary nondegree award High school diploma or equivalen No formal educational credential No formal educational credential	None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training None None Short-term on-the-job training Short-term on-the-job training
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Table 1.2 Employment by detailed occupation, 2016 and projected 2026 (Numbers in thousands)

				Employn	nent				Occupational openings,
			Num	Number F		stribution	Change,	2016-26	projected 2016-
2016 National Employment Matrix title and code		Occupation type	2016	2026	2016	2026	Number	Percent	26 annual average
Total, all occupations	00-0000	Summary	156,063.8	167,582.3	100.0	100.0	11,518.6	7.4	18,740.3
Management occupations	11-0000	Summary	9,533.1	10,411.5	6.1	6.2	878.3	9.2	851.:
Top executives	11-1000	Summary	2,627.5	2,826.6	1.7	1.7	199.1	7.6	235.
Chief executives	11-1011	Line item	308.9	298.2	0.2	0.2	-10.7	-3.5	20.
General and operations managers	11-1021	Line item	2,263.1	2,469.0	1.5	1.5	205.9	9.1	210.
Legislators	11-1031	Line item	55.5	59.4	0.0	0.0	3.9	7.1	
Advertising, marketing, promotions, public relations, and sales managers		Summary	708.6	768.2	0.5	0.5	59.6		
Advertising and promotions managers	11-2011	Line item	31.3	33.1	0.0	0.0	1.8		
Marketing and sales managers	11-2020	Summary	603.8	654.0	0.4	0.4	50.2	8.3	
Marketing managers	11-2021	Line item	218.3	240.1	0.1	0.1	21.8		
Sales managers	11-2022	Line item	385.5	413.9	0.2	0.2	28.4	7.4	
Public relations and fundraising managers	11-2031	Line item	73.5	81.1	0.0	0.0	7.7	10.4	
Operations specialties managers	11-3000	Summary	1,776.1	1,984.8	1.1	1.2	208.6		160.3
Administrative services managers	11-3011	Line item	281.7	310.1	0.2	0.2	28.4	10.1	26.:
Computer and information systems managers	11-3021	Line item	367.6	411.4	0.2	0.2	43.8		
Financial managers	11-3031	Line item	580.4	688.8	0.4	0.4	108.4	18.7	56.8
Industrial production managers	11-3051	Line item	170.6	170.3	0.4	0.1	-0.3	-0.2	11.
Purchasing managers	11-3061	Line item	73.9	78.0	0.0	0.0	4.1	5.6	
Transportation, storage, and distribution managers	11-3071	Line item	115.5	123.3	0.0	0.0	7.7	6.7	9.
Compensation and benefits managers	11-3111	Line item	15.8	16.6	0.0	0.0	0.8		
Human resources managers	11-3111	Line item	136.1	148.3	0.0	0.0	12.2		
Training and development managers	11-3121	Line item	34.5	38.1	0.0	0.0	3.6		
Other management occupations	11-9000	1	4,421.0	4,832.0	2.8	2.9	411.0		
·	11-9000	Summary	1,028.7	1,097.4	0.7	0.7	68.7	9.3 6.7	
Farmers, ranchers, and other agricultural managers	11-9013	Line item Line item	403.8	449.9	0.7	0.7	46.1	11.4	84.8 33.4
Construction managers									45.
Education administrators	11-9030	Summary	531.6	579.9	0.3	0.3	48.2	9.1	
Education administrators, preschool and childcare center/program	11-9031	Line item	61.8	68.3	0.0	0.0	6.5		
Education administrators, elementary and secondary school	11-9032	Line item	251.3	271.0	0.2	0.2	19.7	7.8	
Education administrators, postsecondary	11-9033	Line item	180.1	198.1	0.1	0.1	18.0		
Education administrators, all other	11-9039	Line item	38.4	42.4	0.0	0.0	4.0		
Architectural and engineering managers	11-9041	Line item	180.1	190.0	0.1	0.1	9.9		
Food service managers	11-9051	Line item	308.7	336.0	0.2	0.2	27.3		
Funeral service managers	11-9061	Line item	25.7	27.4	0.0	0.0	1.6		
Gaming managers	11-9071	Line item	4.5	4.6	0.0	0.0	0.1	2.5	
Lodging managers	11-9081	Line item	47.8	50.6	0.0	0.0	2.8		
Medical and health services managers	11-9111	Line item	352.2	422.0	0.2	0.3	69.8		
Natural sciences managers		Line item	56.7	62.3		0.0	5.6		
Postmasters and mail superintendents	11-9131	Line item	14.2	11.2	0.0	0.0	-3.0		
Property, real estate, and community association managers	11-9141	Line item	317.3	351.3	0.2	0.2	34.0		28.
Social and community service managers	11-9151	Line item	147.3	170.4	0.1	0.1	23.1	15.7	15.
Emergency management directors	11-9161	Line item	10.1	10.9	0.0	0.0	0.8		
Managers, all other	11-9199	Line item	992.1	1,068.0		0.6	75.8		
Business and financial operations occupations	13-0000	Summary	8,066.8	8,817.3	5.2	5.3	750.4		
Business operations specialists	13-1000	Summary	5,080.8	5,534.7	3.3	3.3	453.9	8.9	
Agents and business managers of artists, performers, and athletes	13-1011	Line item	19.1	20.0	0.0	0.0	0.9		
Buyers and purchasing agents	13-1020	Summary	446.5	426.0	0.3	0.3	-20.5	-4.6	38.

Buyers and purchasing agents, farm products	13-1021	Line item	13.7	12.9	0.0	0.0	-0.8	-5.9	1.4
Wholesale and retail buyers, except farm products	13-1022	Line item	123.3	121.0	0.1	0.1	-2.4		13.4
Purchasing agents, except wholesale, retail, and farm products	13-1023	Line item	309.4	292.1	0.2	0.2	-17.3		23.8
Claims adjusters, appraisers, examiners, and investigators	13-1030	Summary	328.7	325.1	0.2	0.2	-3.7	-1.1	26.0
Claims adjusters, examiners, and investigators	13-1031	Line item	311.1	306.6	0.2	0.2	-4.5		24.5
Insurance appraisers, auto damage	13-1032	Line item	17.6		0.0	0.0	0.9		1.5
Compliance officers	13-1041	Line item	288.3	312.0	0.2	0.2	23.7	8.2	25.9
Cost estimators	13-1051	Line item	217.9		0.1	0.1	23.0		24.4
Human resources workers	13-1070	Summary	631.8		0.4	0.4	32.6		64.7
Human resources specialists	13-1070	Line item	547.8		0.4	0.4	38.7	7.1	57.6
Farm labor contractors	13-1071	Line item	3.0		0.4	0.0	0.2	8.0	0.3
Labor relations specialists	13-1074	Line item	81.1	74.8	0.0	0.0	-6.3	-7.8	6.8
Logisticians	13-1073	Line item	148.7	159.0	0.1	0.0	10.3		15.6
Management analysts	13-1001	Line item	806.4	902.8	0.1	0.1	96.5	12.0	81.3
Meeting, convention, and event planners	13-1111	Line item	116.7	128.5	0.3	0.3	11.8		15.0
Fundraisers	13-1121	Line item	90.4	126.5	0.1	0.1	13.2	14.6	10.7
			84.2	91.3			7.2	8.5	7.7
Compensation, benefits, and job analysis specialists Training and development specialists	13-1141 13-1151	Line item Line item	282.8	315.3	0.1	0.1	32.5	11.5	31.7
		Line item	595.4	731.4			136.0	22.8	76.7
Market research analysts and marketing specialists	13-1161				0.4	0.4			
Business operations specialists, all other	13-1199	Line item	1,023.9	1,114.1	0.7	0.7	90.2	8.8	104.2
Financial specialists	13-2000	Summary	2,986.0		1.9	2.0	296.6		289.4
Accountants and auditors	13-2011	Line item	1,397.7	1,538.0	0.9	0.9	140.3		141.8
Appraisers and assessors of real estate	13-2021	Line item	80.8		0.1	0.1	11.6		6.7
Budget analysts	13-2031	Line item	58.4	62.2	0.0	0.0	3.8		4.8
Credit analysts	13-2041	Line item	73.8		0.0	0.0	6.2		6.8
Financial analysts and advisors	13-2050	Summary	672.0		0.4	0.4	65.9		61.9
Financial analysts	13-2051	Line item	296.1	328.2	0.2	0.2	32.1	10.8	29.0
Personal financial advisors	13-2052	Line item	271.9	311.2	0.2	0.2	39.3	14.4	25.4
Insurance underwriters	13-2053	Line item	104.1	98.6	0.1	0.1	-5.4	-5.2	7.5
Financial examiners	13-2061	Line item	52.5	57.6	0.0	0.0	5.1	9.8	4.6
Credit counselors and loan officers	13-2070	Summary	357.0		0.2	0.2	41.8		34.3
Credit counselors	13-2071	Line item	38.3	43.7	0.0	0.0	5.3		3.8
Loan officers	13-2072	Line item	318.6		0.2	0.2	36.5	11.5	30.5
Tax examiners, collectors and preparers, and revenue agents	13-2080	Summary	158.0	168.0	0.1	0.1	10.0		15.7
Tax examiners and collectors, and revenue agents	13-2081	Line item	62.1	61.7	0.0	0.0	-0.4	-0.6	4.2
Tax preparers	13-2082	Line item	95.9	106.3	0.1	0.1	10.4	10.8	11.5
Financial specialists, all other	13-2099	Line item	135.9	147.8	0.1	0.1	11.9		12.9
Computer and mathematical occupations	15-0000	Summary	4,419.0	5,015.3	2.8	3.0	596.3		365.3
Computer occupations	15-1100	Summary	4,238.4	4,784.5	2.7	2.9	546.1	12.9	347.5
Computer and information research scientists	15-1111	Line item	27.9		0.0	0.0	5.4	19.2	2.5
Computer and information analysts	15-1120	Summary	700.5	782.0	0.4	0.5	81.5	11.6	55.2
Computer systems analysts	15-1121	Line item	600.5		0.4	0.4	53.0		44.8
Information security analysts	15-1122	Line item	100.0	128.5	0.1	0.1	28.4	28.4	10.4
Software developers and programmers	15-1130	Summary	1,714.0	2,012.3	1.1	1.2	298.2	17.4	147.7
Computer programmers	15-1131	Line item	294.9	272.3	0.2	0.2	-22.6	-7.6	15.4
Software developers, applications	15-1132	Line item	831.3	1,084.6	0.5	0.6	253.4	30.5	85.5
Software developers, systems software	15-1133	Line item	425.0		0.3	0.3	46.1	10.8	32.7
Web developers	15-1134	Line item	162.9		0.1	0.1	21.3		14.2
Database and systems administrators and network architects	15-1140	Summary	673.4	721.4	0.4	0.4	48.0		47.9
Database administrators	15-1141	Line item	119.5		0.1	0.1	13.7		9.3
Network and computer systems administrators	15-1142	Line item	391.3	415.2	0.3	0.2	23.9		27.0
Computer network architects	15-1143	Line item	162.7	173.1	0.1	0.1	10.4		
Computer support specialists	15-1150	Summary	835.3	922.5	0.5	0.6	87.1	10.4	71.8
Computer user support specialists	15-1151	Line item	636.6		0.4	0.4	71.1		

Computer network support specialists	15-1152	Line item	198.8	214.8	0.1	0.1	16.1	8.1	16.5
Computer occupations, all other	15-1199	Line item	287.2	313.1	0.2	0.1	25.9	9.0	22.3
Mathematical science occupations	15-2000	Summary	180.7	230.9	0.2	0.2	50.2	27.8	17.8
Actuaries	15-2011	Line item	23.6	28.9	0.0	0.0	5.3	22.5	2.1
Mathematicians	15-2021	Line item	3.1	4.0	0.0	0.0	0.9	29.4	0.3
Operations research analysts	15-2031	Line item	114.0	145.3	0.1	0.0	31.3	27.4	10.7
Statisticians	15-2041	Line item	37.2	49.6	0.0	0.0	12.4	33.4	4.4
Miscellaneous mathematical science occupations	15-2090	Summary	2.8	3.1	0.0	0.0	0.3	10.0	0.2
Mathematical technicians	15-2090	Line item	0.6	0.6	0.0	0.0	0.0	7.5	0.0
Mathematical science occupations, all other	15-2091	Line item	2.2	2.4	0.0	0.0	0.0	10.7	0.2
Architecture and engineering occupations	17-0000	Summary	2,601.0	2,794.2	1.7	1.7	193.2	7.4	210.0
Architecture and engineering occupations Architects, surveyors, and cartographers	17-0000	Summary	210.9	225.0	0.1	0.1	193.2	6.7	16.6
Architects, surveyors, and cartographers Architects, except naval			153.5	160.2	0.1	0.1	6.7	4.3	11.6
	17-1010	Summary					5.1		9.7
Architects, except landscape and naval	17-1011	Line item	128.8	133.9	0.1	0.1		4.0	
Landscape architects	17-1012	Line item	24.7	26.2	0.0	0.0	1.5	6.2	1.9
Surveyors, cartographers, and photogrammetrists	17-1020	Summary	57.4	64.8	0.0	0.0	7.4	13.0	5.0
Cartographers and photogrammetrists	17-1021	Line item	12.6	15.0	0.0	0.0	2.4	19.4	1.2
Surveyors	17-1022	Line item	44.8	49.8	0.0	0.0	5.0		3.8
Engineers	17-2000	Summary	1,681.0	1,819.7	1.1	1.1	138.7	8.3	126.6
Aerospace engineers	17-2011	Line item	69.6	73.8	0.0	0.0	4.2	6.1	4.6
Agricultural engineers	17-2021	Line item	2.7	2.9	0.0	0.0	0.2	8.1	0.2
Biomedical engineers	17-2031	Line item	21.3	22.8	0.0	0.0	1.5		1.6
Chemical engineers	17-2041	Line item	32.7	35.2	0.0	0.0	2.5	7.6	2.4
Civil engineers	17-2051	Line item	303.5	335.7	0.2	0.2	32.1	10.6	25.9
Computer hardware engineers	17-2061	Line item	73.6	77.6	0.0	0.0	4.0	5.5	5.1
Electrical and electronics engineers	17-2070	Summary	324.6	345.8	0.2	0.2	21.2	6.5	23.1
Electrical engineers	17-2071	Line item	188.3	204.5	0.1	0.1	16.2	8.6	13.9
Electronics engineers, except computer	17-2072	Line item	136.3	141.3	0.1	0.1	5.1	3.7	9.2
Environmental engineers	17-2081	Line item	53.8	58.3	0.0	0.0	4.4	8.3	4.0
Industrial engineers, including health and safety	17-2110	Summary	283.8	311.2	0.2	0.2	27.3	9.6	21.6
Health and safety engineers, except mining safety engineers and	17-2111	Line item	25.9	28.1	0.0	0.0	2.2	8.6	1.9
Industrial engineers	17-2112	Line item	257.9	283.0	0.2	0.2	25.1	9.7	19.7
Marine engineers and naval architects	17-2121	Line item	8.2	9.2	0.0	0.0	1.0	11.5	0.6
Materials engineers	17-2131	Line item	27.0	27.5	0.0	0.0	0.4	1.6	1.9
Mechanical engineers	17-2141	Line item	288.8	314.1	0.2	0.2	25.3	8.8	21.2
Mining and geological engineers, including mining safety engineers	17-2151	Line item	7.3	7.9	0.0	0.0	0.5	7.2	0.6
Nuclear engineers	17-2161	Line item	17.7	18.4	0.0	0.0	0.7	3.8	1.4
Petroleum engineers	17-2171	Line item	33.7	38.6	0.0	0.0	4.9	14.5	2.8
Engineers, all other	17-2199	Line item	132.5	140.8	0.1	0.1	8.2	6.2	9.5
Drafters, engineering technicians, and mapping technicians	17-3000	Summary	709.2	749.6	0.5	0.4	40.4	5.7	66.8
Drafters	17-3010	Summary	207.7	222.2	0.1	0.1	14.5	7.0	19.4
Architectural and civil drafters	17-3011	Line item	99.6	107.7	0.1	0.1	8.0		9.5
Electrical and electronics drafters	17-3012	Line item	27.4		0.0	0.0	1.8		2.5
Mechanical drafters	17-3013	Line item	64.8	68.1	0.0	0.0	3.3		5.9
Drafters, all other	17-3019	Line item	15.9	17.2	0.0	0.0	1.3		1.5
Engineering technicians, except drafters	17-3020	Summary	441.3	460.9	0.3	0.3	19.6		40.1
Aerospace engineering and operations technicians	17-3021	Line item	12.1	12.9	0.0	0.0	0.8		1.1
Civil engineering technicians	17-3021	Line item	74.5	81.1	0.0	0.0	6.6		7.2
Electrical and electronics engineering technicians	17-3022	Line item	137.0	139.8	0.0	0.0	2.8		12.0
Electro-mechanical technicians	17-3023	Line item	137.0	14.3	0.0	0.0	0.5		1.2
Environmental engineering technicians	17-3024	Line item	17.0	19.1	0.0	0.0	2.2	12.9	1.7
Industrial engineering technicians	17-3025	Line item	63.9	64.3	0.0	0.0	0.4		5.5
				48.4	0.0		2.3		
Mechanical engineering technicians Engineering technicians, except drafters, all other	17-3027 17-3029	Line item Line item	46.1 76.8	80.8	0.0	0.0	4.0		4.2 7.1

Surveying and mapping technicians	17-3031	Line item	60.2	66.6	0.0	0.0	6.4	10.6	7.2
Life, physical, and social science occupations	19-0000	Summary	1,299.5	1,422.4	0.8	0.8	122.9	9.5	132.5
Life scientists	19-1000	Summary	325.4	357.8	0.2	0.2	32.4	10.0	32.4
Agricultural and food scientists	19-1010	Summary	43.0	46.2	0.0	0.0	3.2	7.4	4.7
Animal scientists	19-1011	Line item	6.1	6.4	0.0	0.0	0.4	6.0	0.7
Food scientists and technologists	19-1012	Line item	17.0	18.0	0.0	0.0	1.0	6.0	1.8
Soil and plant scientists	19-1013	Line item	19.9	21.7	0.0	0.0	1.8	9.0	2.2
Biological scientists	19-1020	Summary	112.8	122.7	0.1	0.1	9.9	8.8	11.0
Biochemists and biophysicists	19-1021	Line item	31.5	35.0	0.0	0.0	3.6	11.3	3.2
Microbiologists	19-1022	Line item	23.2	25.1	0.0	0.0	1.9	8.0	2.2
Zoologists and wildlife biologists	19-1023	Line item	19.4	20.8	0.0	0.0	1.5	7.5	1.8
Biological scientists, all other	19-1029	Line item	38.7	41.8	0.0	0.0	3.1	7.9	3.7
Conservation scientists and foresters	19-1030	Summary	34.6	36.6	0.0	0.0	2.1	6.0	3.1
Conservation scientists	19-1031	Line item	22.3	23.8	0.0	0.0	1.5	6.5	2.0
Foresters	19-1032	Line item	12.3	12.9	0.0	0.0	0.6	5.2	1.1
Medical scientists	19-1040	Summary	126.1	142.5	0.1	0.1	16.4	13.0	12.7
Epidemiologists	19-1041	Line item	6.1	6.6	0.0	0.0	0.5	8.7	0.6
Medical scientists, except epidemiologists	19-1042	Line item	120.0	135.9	0.1	0.1	15.9	13.2	12.1
Life scientists, all other	19-1099	Line item	8.9	9.7	0.0	0.0	0.8	9.0	0.8
Physical scientists	19-2000	Summary	278.2	305.1	0.2	0.2	26.8	9.6	27.9
Astronomers and physicists	19-2010	Summary	19.9	22.7	0.0	0.0	2.8	14.0	1.9
Astronomers	19-2011	Line item	2.0	2.2	0.0	0.0	0.2	10.0	0.2
Physicists	19-2011	Line item	17.9	20.5	0.0	0.0	2.6	14.5	1.7
Atmospheric and space scientists	19-2012	Line item	10.4	11.7	0.0	0.0	1.3	12.0	0.9
Chemists and materials scientists	19-2030	Summary	96.2	102.5	0.0	0.0	6.3	6.5	9.4
Chemists	19-2031	Line item	88.3	94.0	0.1	0.1	5.7	6.5	8.6
Materials scientists	19-2032	Line item	7.9	8.5	0.0	0.0	0.6	7.1	0.8
Environmental scientists and geoscientists	19-2032	Summary	128.2	143.2	0.0	0.0	15.0	11.7	13.8
Environmental scientists and specialists, including health	19-2040	Line item	89.5	99.3	0.1	0.1	9.9	11.7	9.5
Geoscientists, except hydrologists and geographers	19-2041	Line item	32.0	36.5	0.0	0.0	4.5	13.9	3.5
Hydrologists	19-2042	Line item	6.7	7.4	0.0	0.0	0.7	9.9	0.7
Physical scientists, all other	19-2043	Line item	23.5	25.0	0.0	0.0	1.5	6.4	2.0
Social scientists and related workers	19-2099	Summary	303.8	335.6	0.0	0.0	31.8	10.5	26.4
Economists	19-3000	Line item	21.3	22.5	0.2	0.2	1.3	6.0	1.6
Survey researchers	19-3022	Line item	14.6	14.7	0.0	0.0	0.1	0.9	1.3
Psychologists	19-3030	Summary	166.6	189.2	0.0	0.0	22.6	13.6	13.5
Clinical, counseling, and school psychologists	19-3031	Line item	147.5	168.4	0.1	0.1	20.9	14.2	12.1
Industrial-organizational psychologists	19-3031	Line item	1.7	1.8	0.0	0.0	0.1	5.6	0.1
Psychologists, all other	19-3032	Line item	17.4	19.0	0.0	0.0	1.6	9.1	1.3
Sociologists	19-3039	Line item	3.5	3.5	0.0	0.0	0.0	0.1	0.3
Urban and regional planners	19-3041	Line item	36.0	40.6	0.0	0.0	4.6	12.8	3.5
Miscellaneous social scientists and related workers	19-3090	Summary	61.9	65.0		0.0	3.2	5.1	6.0
	19-3090	Line item	7.6	7.9		0.0	0.3		
Anthropologists and archeologists	19-3091								0.7
Geographers Historians	_	Line item	1.5	1.6	0.0	0.0	0.1	6.2	0.2
	19-3093	Line item	3.3	3.5 7.4	0.0	0.0	0.2	5.4	0.3
Political scientists	19-3094	Line item	7.3		0.0	0.0	0.2	2.1	0.7
Social scientists and related workers, all other	19-3099	Line item	42.1	44.6	0.0	0.0	2.5	5.9	4.1
Life, physical, and social science technicians	19-4000	Summary	392.1	424.0	0.3	0.3	31.9	8.1	45.9
Agricultural and food science technicians	19-4011	Line item	27.5	29.2	0.0	0.0	1.7	6.3	3.0
Biological technicians	19-4021	Line item	82.1	90.4	0.1	0.1	8.4		8.9
Chemical technicians	19-4031	Line item	67.3	69.9	0.0	0.0	2.7	3.9	6.6
Geological and petroleum technicians	19-4041	Line item	15.0	17.4	0.0	0.0	2.5		1.9
Nuclear technicians	19-4051	Line item	6.9	6.9	0.0	0.0	0.0		0.8
Social science research assistants	19-4061	Line item	34.0	35.4	0.0	0.0	1.4	4.1	4.1

Miscellaneous life, physical, and social science technicians	19-4090	Summary	159.3	174.6	0.1	0.1	15.3	9.6	20.7
Environmental science and protection technicians, including health	19-4091	Line item	34.6	38.8	0.0	0.0	4.1	11.9	4.6
Forensic science technicians	19-4092	Line item	15.4	18.0	0.0	0.0	2.6	16.8	2.2
Forest and conservation technicians	19-4093	Line item	33.2	34.5	0.0	0.0	1.3	3.8	4.0
Life, physical, and social science technicians, all other	19-4099	Line item	76.1	83.4	0.0	0.0	7.3	9.6	9.9
Community and social service occupations	21-0000	Summary	2,570.7	2,917.9	1.6	1.7	347.2	13.5	327.0
Counselors, social workers, and other community and social service			,	,					
specialists	21-1000	Summary	2,126.4	2,439.1	1.4	1.5	312.7	14.7	270.7
Counselors	21-1010	Summary	744.5	853.5	0.5	0.5	109.1	14.7	92.5
Substance abuse and behavioral disorder counselors	21-1011	Line item	102.4	122.8	0.1	0.1	20.4	19.9	13.5
Educational, guidance, school, and vocational counselors	21-1012	Line item	291.7	324.7	0.2	0.2	33.0	11.3	34.8
Marriage and family therapists	21-1013	Line item	41.5	49.9	0.0	0.0	8.4	20.2	5.5
Mental health counselors	21-1014	Line item	157.7	188.9	0.1	0.1	31.2	19.8	20.8
Rehabilitation counselors	21-1015	Line item	119.3	130.9	0.1	0.1	11.6	9.7	13.9
Counselors, all other	21-1019	Line item	31.8	36.3	0.0	0.0	4.5	14.3	3.9
Social workers	21-1020	Summary	682.1	784.2	0.4	0.5	102.1	15.0	83.2
Child, family, and school social workers	21-1021	Line item	317.6	359.7	0.2	0.2	42.1	13.3	37.9
Healthcare social workers	21-1021	Line item	176.5	209.3	0.2	0.2	32.7	18.5	22.5
Mental health and substance abuse social workers	21-1022	Line item	123.9	146.1	0.1	0.1	22.2	17.9	15.7
Social workers, all other	21-1029	Line item	64.0	69.0	0.0	0.0	5.0	7.9	7.1
Miscellaneous community and social service specialists	21-1090	Summary	699.9	801.5	0.4	0.5	101.6	14.5	95.0
Health educators	21-1091	Line item	61.0	69.9	0.0	0.0	8.8	14.5	8.7
Probation officers and correctional treatment specialists	21-1091	Line item	91.3	96.5	0.1	0.1	5.2	5.7	8.3
Social and human service assistants	21-1092	Line item	389.8	453.7	0.1	0.1	63.9	16.4	55.4
Community health workers	21-1093	Line item	57.5	67.8	0.0	0.0	10.4	18.1	8.5
Community and social service specialists, all other	21-1094	Line item	100.3	113.5	0.0	0.0	13.2	13.2	14.1
Religious workers	21-1099	Summary	444.2	478.7	0.1	0.1	34.5	7.8	56.3
Clergy	21-2000	Line item	243.9	263.6	0.3	0.3	19.6	8.0	29.2
Directors, religious activities and education	21-2011	Line item	147.1	157.8	0.2	0.2	10.8	7.3	
Religious workers, all other	21-2021	Line item	53.2	57.3	0.0	0.0	4.1	7.7	7.7
			1,283.3	1,409.1	0.8	0.8	125.8	9.8	91.9
Legal occupations	23-0000	Summary						9.8	45.2
Lawyers, judges, and related workers	23-1000	Summary	858.2	936.9 882.2	0.5 0.5	0.6 0.5	78.7 75.6	9.2	45.2 42.7
Lawyers and judicial law clerks	23-1010	Summary	806.5					9.4	
Lawyers	23-1011	Line item	792.5	867.4	0.5	0.5	74.8		41.9
Judicial law clerks	23-1012	Line item	14.0	14.8	0.0	0.0	0.8	5.5	0.8
Judges, magistrates, and other judicial workers	23-1020	Summary	51.7	54.7	0.0	0.0	3.1	6.0	2.5
Administrative law judges, adjudicators, and hearing officers	23-1021	Line item	15.4	16.0	0.0	0.0	0.6	4.0	0.7
Arbitrators, mediators, and conciliators	23-1022	Line item	7.8	8.7	0.0	0.0	0.9	11.3	0.4
Judges, magistrate judges, and magistrates	23-1023	Line item	28.4	30.0	0.0	0.0	1.6	5.6	1.4
Legal support workers	23-2000	Summary	425.1	472.2	0.3	0.3	47.1	11.1	46.7
Paralegals and legal assistants	23-2011	Line item	285.6	327.4	0.2	0.2	41.8	14.6	34.7
Miscellaneous legal support workers	23-2090	Summary	139.5	144.7	0.1	0.1	5.3	3.8	12.0
Court reporters	23-2091	Line item	19.6	20.3		0.0	0.6		1.7
Title examiners, abstractors, and searchers	23-2093	Line item	69.0	71.7	0.0	0.0	2.8	4.0	6.0
Legal support workers, all other	23-2099	Line item	50.9	52.7	0.0	0.0	1.8		4.4
Education, training, and library occupations	25-0000	Summary	9,426.5	10,303.4	6.0	6.1	876.8		916.7
Postsecondary teachers	25-1000	Summary	1,871.4	2,107.9	1.2	1.3	236.6	12.6	172.4
Business teachers, postsecondary	25-1011	Line item	104.2	123.0		0.1	18.9	18.1	10.4
Math and computer teachers, postsecondary	25-1020	Summary	100.6	109.4	0.1	0.1	8.8	8.8	8.7
Computer science teachers, postsecondary	25-1021	Line item	39.7	42.8	0.0	0.0	3.2	8.0	3.4
Mathematical science teachers, postsecondary	25-1022	Line item	60.9	66.6	0.0	0.0	5.6		5.3
Engineering and architecture teachers, postsecondary	25-1030	Summary	57.1	65.0	0.0	0.0	7.9		5.4
Architecture teachers, postsecondary	25-1031	Line item	9.5	10.5	0.0	0.0	1.0		0.8
Engineering teachers, postsecondary	25-1032	Line item	47.6	54.6	0.0	0.0	6.9	14.5	4.5

Agroultural science teachers, postsecondary 25-1041. Une liem 12.6 13.6 0.0 0.0 0.9 7.5 1.11 Biological science teachers, postsecondary 25-1042. Une liem 2.2 3.71.7 0.0 0.0 0.9 4.15.1 6.0 Forestry and conservation science teachers, postsecondary 25-1043. Une liem 2.2 2.3 0.0 0.0 0.2 7.7 0.2 Forestry and conservation science teachers, postsecondary 25-1043. Une liem 2.2 2.3 0.0 0.0 0.0 0.2 7.7 0.2 Forestry and conservation science teachers, postsecondary 25-1043. Une liem 2.2 2.3 0.0 0.0 0.0 0.3 3.9 5.6 6.0 Aktrosylhetic, cartin, marine, and space sciences teachers, postsecondary 25-1052. Line liem 1.5 1.1 1.4 0.0 0.0 1.1 3.9 5.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Life coinness teachers, poetsecondary	25-1040	Cummon/	77.1	87.6	0.0	0.1	10.5	13.7	7.0
Biological science teachers, postsecondary 25-1042 Line litem 62.3 71.7 0.0 0.0 9.4 15.1 5.0	Life sciences teachers, postsecondary		Summary							7.2
Forestry and conservation sciences teachers, postsecondary										
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Physicis teachers, postsecondary			-							2.3
Social sciences teachers, postsecondary 25-1080 Summary 141.3 158.0 0.1 0.1 16.7 11.8 12.9 Anthropology and archeology teachers, postsecondary 25-1082 Line item 11.5 12.7 0.0 0.0 0.7 10.0 0.6 Area, ethnic, and cultural studies teachers, postsecondary 25-1082 Line item 11.5 12.7 0.0 0.0 1.2 10.5 1.0 Economics teachers, postsecondary 25-1082 Line item 11.5 12.7 0.0 0.0 1.2 10.5 1.0 Geography teachers, postsecondary 25-1084 Line item 5.0 5.4 0.0 0.0 0.4 8.4 0.4 Policial science teachers, postsecondary 25-1086 Line item 5.0 5.4 0.0 0.0 0.0 4.8 4.0 Policial science teachers, postsecondary 25-1086 Line item 46.9 54.0 0.0 0.0 7.1 15.1 4.5 Sociology teachers, postsecondary 25-1086 Line item 46.9 54.0 0.0 0.0 7.1 15.1 4.5 Sociology teachers, postsecondary 25-1086 Line item 17.9 19.8 0.0 0.0 7.7 3.8 16.8 Social sciences teachers, postsecondary 25-1078 Line item 15.3 16.8 0.0 0.0 1.5 10.0 1.3 Health seachers, postsecondary 25-1078 Summary 30.1 378.2 0.2 0.2 76.8 25.5 33.1 Health sepacialties teachers, postsecondary 25-1071 Line item 233.5 294.0 0.1 0.2 60.5 25.9 25.8 Warsing instructors and flacebras, postsecondary 25-1071 Line item 27.9 25.0 25.0 25.0 25.0 Liver continued to the secondary 25-1071 Line item 27.9 25.0 25.0 25.0 25.0 Liver continued to the secondary 25-1071 Line item 27.9 25.0 25.0 25.0 25.0 Liver continued to the secondary 25-1071 Line item 27.9 25.0 25.0 25.0 25.0 Liver continued to the secondary 25-1108 Summary 30.4 59.6 0.0 0.1 6.5 20.0 0.0 6.2 1.7 4.8 Liver continued to the secondary 25-1108 Summary 33.4 59.6 0.0 0.0 6.2 1.7 4.8 Liver continued to the secondary 25-1108 Summary 33.4 59.6 0.0 0.0 2.6 2.1 1.9 Liver continued to the secondar			-							
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History teachers, postsecondary 25-1125 Line item 26.9 29.7 0.0 0.0 2.8 10.3 2.4 Philosophy and religion teachers, postsecondary 25-1126 Line item 31.8 35.7 0.0 0.0 3.9 12.3 2.9 Miscellaneous postsecondary teachers 25-1190 Summary 557.0 596.0 0.4 0.4 39.0 7.0 47.0 Graduate teaching assistants 25-1191 Line item 168.3 181.2 0.1 0.1 12.9 7.7 14.4 Home economics teachers, postsecondary 25-1192 Line item 3.5 3.8 0.0 0.0 0.3 7.8 0.3 Recreation and fitness studies teachers, postsecondary 25-1192 Line item 20.6 22.6 0.0 0.0 0.0 2.0 9.6 1.8 Vocational education teachers, postsecondary 25-1193 Line item 128.0 129.7 0.1 0.1 1.7 1.3 9.8 Postsecondary teachers, all other 25-1193 Line item 236.5 258.7 0.2 0.2 22.2 9.4 20.7 Preschool, primary, secondary, and special education school teachers 25-2000 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool and kindergarten teachers 25-2010 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2012 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Elementary school teachers, except special and career/technical 25-2022 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Elementary school teachers, except special and career/technical 25-2023 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Ele	English language and literature teachers, postsecondary	25-1123	Line item	84.6		0.1	0.1			7.5
Philosophy and religion teachers, postsecondary 25-1126 Line item 31.8 35.7 0.0 0.0 3.9 12.3 2.9	Foreign language and literature teachers, postsecondary		Line item	35.0		0.0				3.2
Miscellaneous postsecondary teachers 25-1190 Summary 557.0 596.0 0.4 0.4 39.0 7.0 47.0 Graduate teaching assistants 25-1191 Line item 168.3 181.2 0.1 0.1 12.9 7.7 14.4 Home economics teachers, postsecondary 25-1192 Line item 3.5 3.8 0.0 0.0 0.3 7.8 0.3 Recreation and fitness studies teachers, postsecondary 25-1193 Line item 20.6 22.6 0.0 0.0 2.0 9.6 1.8 Vocational education teachers, postsecondary 25-1194 Line item 128.0 129.7 0.1 0.1 1.7 1.3 9.8 Postsecondary teachers, all other 25-1194 Line item 236.5 258.7 0.2 0.2 22.2 9.4 20.7 Preschool, primary, secondary, and special education school teachers 25-2010 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool, primary, secondary, and spe	History teachers, postsecondary	25-1125	Line item	26.9	29.7	0.0	0.0		10.3	2.4
Graduate teaching assistants 25-1191 Line item 168.3 181.2 0.1 0.1 12.9 7.7 14.4 Home economics teachers, postsecondary 25-1192 Line item 3.5 3.8 0.0 0.0 0.3 7.8 0.3 Recreation and fitness studies teachers, postsecondary 25-1193 Line item 20.6 22.6 0.0 0.0 0.0 2.0 9.6 1.8 Vocational education teachers, postsecondary 25-1194 Line item 128.0 129.7 0.1 0.1 1.7 1.3 9.8 Postsecondary teachers, all other 25-1199 Line item 236.5 258.7 0.2 0.2 22.2 9.4 20.7 Preschool, primary, secondary, and special education school teachers 25-2000 Summary 4.264.8 4.598.6 2.7 2.7 333.8 7.8 358.7 Preschool and kindergarten teachers 25-2010 Summary 4.264.8 4.598.6 2.7 2.7 333.8 7.8 358.7 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.4 0.4 62.3 9.8 70.3 Freschool teachers, except special education 25-2012 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2000 Summary 2.053.9 2.206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special and career/technical 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2031 Line item 1,410.9 1,514.9 0.9 0.9 10.4 7.5 50.5 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers 25-2030 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers 25-2031 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special e	Philosophy and religion teachers, postsecondary	25-1126	Line item	31.8	35.7	0.0	0.0	3.9	12.3	
Home economics teachers, postsecondary 25-1192 Line item 3.5 3.8 0.0 0.0 0.3 7.8 0.3	Miscellaneous postsecondary teachers	25-1190	Summary	557.0	596.0	0.4	0.4			
Recreation and fitness studies teachers, postsecondary 25-1193 Line item 20.6 22.6 0.0 0.0 2.0 9.6 1.8	Graduate teaching assistants	25-1191	Line item	168.3	181.2	0.1	0.1	12.9		
Vocational education teachers, postsecondary 25-1194 Line item 128.0 129.7 0.1 0.1 1.7 1.3 9.8 Postsecondary teachers, all other 25-1199 Line item 236.5 258.7 0.2 0.2 22.2 9.4 20.7 Preschool, primary, secondary, and special education school teachers 25-2000 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool and kindergarten teachers 25-2010 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary		25-1192	Line item	3.5	3.8	0.0	0.0	0.3	7.8	0.3
Postsecondary teachers, all other 25-1199 Line item 236.5 258.7 0.2 0.2 22.2 9.4 20.7 Preschool, primary, secondary, and special education school teachers 25-2000 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool and kindergarten teachers 25-2010 Summary 633.0 695.3 0.4 0.4 62.3 9.8 70.3 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8	Recreation and fitness studies teachers, postsecondary	25-1193	Line item	20.6	22.6	0.0	0.0	2.0	9.6	1.8
Preschool, primary, secondary, and special education school teachers 25-2000 Summary 4,264.8 4,598.6 2.7 2.7 333.8 7.8 358.7 Preschool and kindergarten teachers 25-2010 Summary 633.0 695.3 0.4 0.4 62.3 9.8 70.3 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8	Vocational education teachers, postsecondary	25-1194	Line item	128.0	129.7	0.1	0.1	1.7	1.3	9.8
Preschool and kindergarten teachers 25-2010 Summary 633.0 695.3 0.4 0.4 62.3 9.8 70.3 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers 25-2032 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary schoo	Postsecondary teachers, all other	25-1199	Line item	236.5	258.7	0.2	0.2	22.2	9.4	20.7
Preschool and kindergarten teachers 25-2010 Summary 633.0 695.3 0.4 0.4 62.3 9.8 70.3 Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers 25-2031 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary schoo	Preschool, primary, secondary, and special education school teachers	25-2000	Summary	4,264.8	4,598.6	2.7	2.7	333.8	7.8	358.7
Preschool teachers, except special education 25-2011 Line item 478.5 528.6 0.3 0.3 50.1 10.5 53.6 Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2023 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 79.5 Career	Preschool and kindergarten teachers	25-2010	1	633.0	695.3	0.4	0.4	62.3	9.8	70.3
Kindergarten teachers, except special education 25-2012 Line item 154.4 166.7 0.1 0.1 12.2 7.9 16.7 Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2022 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 <t< td=""><td></td><td>25-2011</td><td>Line item</td><td>478.5</td><td>528.6</td><td>0.3</td><td>0.3</td><td>50.1</td><td>10.5</td><td></td></t<>		25-2011	Line item	478.5	528.6	0.3	0.3	50.1	10.5	
Elementary and middle school teachers 25-2020 Summary 2,053.9 2,206.2 1.3 1.3 152.3 7.4 164.4 Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2023 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers, secondary school 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9<	Kindergarten teachers, except special education		Line item	154.4		0.1	0.1			
Elementary school teachers, except special education 25-2021 Line item 1,410.9 1,514.9 0.9 0.9 104.1 7.4 112.8 Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2023 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers, secondary school 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5	Elementary and middle school teachers		Summary				1.3			
Middle school teachers, except special and career/technical 25-2022 Line item 630.3 677.7 0.4 0.4 47.3 7.5 50.5 Career/technical education teachers, middle school 25-2023 Line item 12.7 13.6 0.0 0.0 0.9 7.3 1.0 Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers, except special and career/technical 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5										
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Secondary school teachers 25-2030 Summary 1,097.4 1,179.2 0.7 0.7 81.8 7.5 85.5 Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers, secondary school 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5										
Secondary school teachers, except special and career/technical 25-2031 Line item 1,018.7 1,095.5 0.7 0.7 76.8 7.5 79.5 Career/technical education teachers, secondary school 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5										
Career/technical education teachers, secondary school 25-2032 Line item 78.7 83.7 0.1 0.0 5.0 6.4 6.0 Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5	,									
Special education teachers 25-2050 Summary 480.6 517.9 0.3 0.3 37.3 7.8 38.5										
			-							
	Special education teachers, preschool	25-2051	Line item	29.2			0.0	3.3		

Special education teachers, kindergarten and elementary school	25-2052	Line item	188.9	202.8	0.1	0.1	13.9	7.4	15.0
Special education teachers, middle school	25-2053	Line item	89.3	95.7	0.1	0.1	6.3	7.1	7.1
Special education teachers, secondary school	25-2054	Line item	131.9	141.6	0.1	0.1	9.7	7.4	10.5
Special education teachers, all other	25-2059	Line item	41.3	45.4	0.0	0.0	4.1	9.8	3.4
Other teachers and instructors	25-3000	Summary	1,416.2	1,557.6	0.9	0.9	141.4	10.0	174.3
Adult basic and secondary education and literacy teachers and	25-3011	Line item	68.2	64.3	0.0	0.0	-3.8	-5.6	6.8
Self-enrichment education teachers	25-3021	Line item	354.2	406.9	0.2	0.2	52.7	14.9	46.3
Teachers and instructors, all other	25-3099	Line item	993.9	1,086.4	0.6	0.6	92.5	9.3	121.3
Librarians, curators, and archivists	25-4000	Summary	268.4	293.9	0.2	0.2	25.5	9.5	32.6
Archivists, curators, and museum technicians	25-4010	Summary	31.0	35.1	0.0	0.0	4.2	13.4	3.7
Archivists	25-4011	Line item	6.8	7.8	0.0	0.0	1.0	14.3	0.8
Curators	25-4012	Line item	12.4	14.1	0.0	0.0	1.7	14.0	1.5
Museum technicians and conservators	25-4013	Line item	11.8	13.3	0.0	0.0	1.5	12.4	1.4
Librarians	25-4021	Line item	138.2	150.6	0.1	0.1	12.4	8.9	14.5
Library technicians	25-4031	Line item	99.2	108.2	0.1	0.1	9.0	9.1	14.4
Other education, training, and library occupations	25-9000	Summary	1,605.7	1,745.3	1.0	1.0	139.6	8.7	178.6
Audio-visual and multimedia collections specialists	25-9011	Line item	11.3	12.3	0.0	0.0	1.0	8.7	1.1
Farm and home management advisors	25-9021	Line item	10.4	11.2	0.0	0.0	0.8	7.3	1.0
Instructional coordinators	25-9031	Line item	163.2	179.7	0.1	0.1	16.5	10.1	16.8
Teacher assistants	25-9041	Line item	1,308.1	1,417.6	0.8	0.8	109.5	8.4	147.9
Education, training, and library workers, all other	25-9099	Line item	112.7	124.5	0.1	0.1	11.8	10.5	11.7
Arts, design, entertainment, sports, and media occupations	27-0000	Summary	2,772.9	2,946.5	1.8	1.8	173.6	6.3	289.7
Art and design workers	27-1000	Summary	833.7	874.8	0.5	0.5	41.1	4.9	79.2
Artists and related workers	27-1010	Summary	217.4	235.8	0.1	0.1	18.4	8.5	19.5
Art directors	27-1011	Line item	90.3	97.0	0.1	0.1	6.7	7.4	8.0
Craft artists	27-1012	Line item	12.5	13.3	0.0	0.0	0.8	6.3	1.1
Fine artists, including painters, sculptors, and illustrators	27-1013	Line item	28.0	30.4	0.0	0.0	2.4	8.6	2.5
Multimedia artists and animators	27-1013	Line item	73.7	81.3	0.0	0.0	7.7	10.4	6.8
Artists and related workers, all other	27-1019	Line item	12.8	13.7	0.0	0.0	0.9	6.9	1.1
Designers	27-1010	Summary	616.3	639.0	0.4	0.4	22.7	3.7	59.7
Commercial and industrial designers	27-1021	Line item	39.7	41.6	0.0	0.0	2.0	5.0	3.9
Fashion designers	27-1022	Line item	23.8	24.5	0.0	0.0	0.7	3.1	2.3
Floral designers	27-1023	Line item	55.0	51.7	0.0	0.0	-3.2	-5.9	4.6
Graphic designers	27-1024	Line item	266.3	278.8	0.2	0.0	12.5	4.7	26.2
Interior designers	27-1025	Line item	66.5	69.8	0.0	0.0	3.3	4.9	6.6
Merchandise displayers and window trimmers	27-1026	Line item	141.4	146.8	0.1	0.1	5.3	3.8	13.7
Set and exhibit designers	27-1027	Line item	14.6	16.2	0.0	0.0	1.6	10.9	1.6
Designers, all other	27-1029	Line item	9.0	9.5	0.0	0.0	0.6	6.4	0.9
Entertainers and performers, sports and related workers	27-2000	Summary	801.9	882.0	0.5	0.5	80.1	10.0	99.9
Actors, producers, and directors	27-2010	Summary	198.5	222.1	0.1	0.1	23.6	11.9	21.4
Actors	27-2011	Line item	63.8	71.3	0.0	0.0	7.5	11.7	7.4
Producers and directors	27-2012	Line item	134.7	150.8	0.1	0.0	16.1	12.0	14.0
Athletes, coaches, umpires, and related workers	27-2020	Summary	309.0	346.6	0.2	0.1	37.5	12.1	46.8
Athletes and sports competitors	27-2021	Line item	11.8	12.7	0.0	0.0	0.8	7.2	1.7
Coaches and scouts	27-2021	Line item	276.1	311.2	0.2	0.0	35.1	12.7	42.0
Umpires, referees, and other sports officials	27-2022	Line item	21.1	22.7	0.0	0.0	1.6	7.4	3.0
Dancers and choreographers	27-2023	Summary	20.4	21.3	0.0	0.0	0.9	4.4	2.8
Dancers Dancers	27-2030	Line item	13.5	14.1	0.0	0.0	0.9	5.0	1.9
Choreographers	27-2031	Line item	6.9	7.1	0.0	0.0	0.7	3.2	1.0
Musicians, singers, and related workers	27-2032	Summary	247.3	263.2	0.0	0.0	15.9	6.4	25.7
Music directors and composers	27-2040	Line item	74.8	79.4	0.2	0.2	4.6	6.4	7.8
Musicians and singers	27-2041	Line item	172.4	183.8	0.0	0.0	11.3	6.6	18.0
Entertainers and performers, sports and related workers, all other	27-2042	Line item	26.7	28.9	0.1	0.0	2.1	8.0	3.2
Media and communication workers	27-2099		774.8	820.1	0.0	0.0	45.3	5.8	
iviedia and communication workers	27-3000	Summary	114.8	0∠U. I	0.5	0.5	45.3	ე.გ	16.5

Announcers	27-3010	Summary	52.7	48.5	0.0	0.0	-4.1	-7.8	4.4
Radio and television announcers	27-3011	Line item	41.3	36.8	0.0	0.0	-4.5	-10.9	3.3
Public address system and other announcers	27-3012	Line item	11.4	11.8	0.0	0.0	0.4	3.2	1.1
News analysts, reporters and correspondents	27-3020	Summary	50.4	45.6	0.0	0.0	-4.8	-9.6	4.2
Broadcast news analysts	27-3021	Line item	5.7	5.6	0.0	0.0	-0.1	-1.0	0.5
Reporters and correspondents	27-3022	Line item	44.7	40.0	0.0	0.0	-4.8	-10.7	3.6
Public relations specialists	27-3031	Line item	259.6	283.0	0.2	0.2	23.3	9.0	28.3
Writers and editors	27-3040	Summary	311.0	327.6	0.2	0.2	16.6	5.3	30.7
Editors	27-3041	Line item	127.4	127.3	0.1	0.1	-0.1	-0.1	12.3
Technical writers	27-3042	Line item	52.4	58.1	0.0	0.0	5.7	10.9	5.7
Writers and authors	27-3043	Line item	131.2	142.2	0.1	0.1	11.0	8.3	12.7
Miscellaneous media and communication workers	27-3090	Summary	101.1	115.4	0.1	0.1	14.3	14.1	11.0
Interpreters and translators	27-3091	Line item	68.2	79.6	0.0	0.0	11.4	16.7	7.7
Media and communication workers, all other	27-3099	Line item	32.9	35.8	0.0	0.0	2.9	8.7	3.3
Media and communication equipment workers	27-4000	Summary	362.5	369.6	0.2	0.2	7.1	2.0	32.1
Broadcast and sound engineering technicians and radio operators	27-4010	Summary	135.3	146.0	0.1	0.1	10.7	7.9	13.7
Audio and video equipment technicians	27-4011	Line item	83.3	94.0	0.1	0.1	10.7	12.9	9.0
Broadcast technicians	27-4012	Line item	34.0	32.9	0.0	0.0	-1.1	-3.2	2.9
Radio operators	27-4013	Line item	0.9	0.9	0.0	0.0	0.0	-1.0	0.1
Sound engineering technicians	27-4014	Line item	17.0	18.1	0.0	0.0	1.1	6.3	1.7
Photographers	27-4021	Line item	147.3	134.9	0.1	0.1	-12.4	-8.4	9.7
Television, video, and motion picture camera operators and editors	27-4030	Summary	59.3	66.5	0.0	0.0	7.2	12.1	6.5
Camera operators, television, video, and motion picture	27-4031	Line item	25.1	26.7	0.0	0.0	1.6	6.4	2.6
Film and video editors	27-4032	Line item	34.2	39.8	0.0	0.0	5.6	16.3	4.0
Media and communication equipment workers, all other	27-4099	Line item	20.6	22.2	0.0	0.0	1.6	7.9	2.1
Healthcare practitioners and technical occupations	29-0000	Summary	8,751.5	10,082.4	5.6	6.0	1,330.9	15.2	624.3
Health diagnosing and treating practitioners	29-1000	Summary	5,485.4	6,376.7	3.5	3.8	891.3	16.2	355.3
Chiropractors	29-1011	Line item	47.4	52.4	0.0	0.0	5.0	10.5	1.7
Dentists	29-1020	Summary	153.5	179.9	0.1	0.1	26.4	17.2	7.0
Dentists, general	29-1021	Line item	132.8	156.0	0.1	0.1	23.2	17.5	6.1
Oral and maxillofacial surgeons	29-1022	Line item	6.8	7.9	0.0	0.0	1.2	17.2	0.3
Orthodontists	29-1023	Line item	6.6	7.7	0.0	0.0	1.1	17.3	0.3
Prosthodontists	29-1024	Line item	0.9	1.1	0.0	0.0	0.2	17.2	0.0
Dentists, all other specialists	29-1029	Line item	6.4	7.2	0.0	0.0	0.8	12.0	0.3
Dietitians and nutritionists	29-1031	Line item	68.0	77.6	0.0	0.0	9.6	14.1	5.3
Optometrists	29-1041	Line item	40.2	47.1	0.0	0.0	7.0	17.3	2.0
Pharmacists	29-1041	Line item	312.5	330.1	0.0	0.2	17.6	5.6	15.3
Physicians and surgeons	29-1060	Summary	713.8	820.3	0.2	0.5	106.5	14.9	30.4
Anesthesiologists	29-1061	Line item	33.0	38.9	0.0	0.0	5.9	17.8	1.5
Family and general practitioners	29-1061	Line item	134.8	157.1	0.0	0.0	22.2	16.5	6.0
Internists, general	29-1063	Line item	49.8	58.2	0.0	0.0	8.4	16.9	2.2
Obstetricians and gynecologists	29-1064	Line item	21.7	25.5	0.0	0.0	3.9	17.9	1.0
	29-1065	Line item	29.6			0.0			
Pediatricians, general Psychiatrists	29-1065		27.5	31.2	0.0	0.0	5.3 3.6	13.1	1.4 1.1
,	_	Line item					7.6		
Surgeons Dhysicians and surgeons all other	29-1067	Line item	45.0		0.0	0.0			2.0
Physicians and surgeons, all other	29-1069	Line item	372.4	422.0	0.2	0.3	49.6	13.3	15.2
Physician assistants	29-1071	Line item	106.2	145.9	0.1	0.1	39.7	37.4	10.6
Podiatrists	29-1081	Line item	11.0	12.1	0.0	0.0	1.1	9.7	0.7
Therapists	29-1120	Summary	723.0	876.7	0.5	0.5	153.7	21.3	51.9
Occupational therapists	29-1122	Line item	130.4	158.0	0.1	0.1	27.7	21.2	9.7
Physical therapists	29-1123	Line item	239.8	299.8	0.2	0.2	60.0	25.0	16.8
Radiation therapists	29-1124	Line item	19.1	21.3	0.0	0.0	2.3	11.9	1.2
Recreational therapists	29-1125	Line item	19.2	20.5	0.0	0.0	1.3	6.5	1.2
Respiratory therapists	29-1126	Line item	130.2	160.6	0.1	0.1	30.4	23.4	9.8

Speech-language pathologists	29-1127	Line item	145.1	170.5	0.1	0.1	25.4	17.5	10.3
Exercise physiologists	29-1128	Line item	15.1	17.1	0.0	0.0	2.0	12.9	1.1
Therapists, all other	29-1129	Line item	24.1	28.9	0.0	0.0	4.8	19.7	1.9
Veterinarians	29-1131	Line item	79.6	94.0	0.1	0.1	14.4	18.1	4.5
Registered nurses	29-1141	Line item	2,955.2	3,392.2	1.9	2.0	437.0	14.8	203.6
Nurse anesthetists	29-1151	Line item	41.8	48.5	0.0	0.0	6.7	16.0	2.8
Nurse midwives	29-1161	Line item	6.5	7.8	0.0	0.0	1.3	20.6	0.5
Nurse practitioners	29-1171	Line item	155.5	211.5	0.1	0.1	56.0	36.0	14.4
Audiologists	29-1181	Line item	14.8	17.8	0.0	0.0	3.0	20.4	1.0
Health diagnosing and treating practitioners, all other	29-1199	Line item	56.4	62.9	0.0	0.0	6.4	11.4	3.6
Health technologists and technicians	29-2000	Summary	3,093.5	3,513.1	2.0	2.1	419.6	13.6	257.9
Clinical laboratory technologists and technicians	29-2010	Summary	335.7	378.3	0.2	0.2	42.7	12.7	25.9
Medical and clinical laboratory technologists	29-2011	Line item	171.4	191.2	0.1	0.1	19.7	11.5	12.9
Medical and clinical laboratory technicians	29-2012	Line item	164.2	187.2	0.1	0.1	22.9	14.0	12.9
Dental hygienists	29-2021	Line item	207.9	248.8	0.1	0.1	40.9	19.6	17.5
Diagnostic related technologists and technicians	29-2030	Summary	384.1	437.3	0.2	0.3	53.1	13.8	26.2
Cardiovascular technologists and technicians	29-2031	Line item	55.0	60.5	0.0	0.0	5.4	9.9	3.5
Diagnostic medical sonographers	29-2032	Line item	67.3	82.9	0.0	0.0	15.6	23.2	5.4
Nuclear medicine technologists	29-2033	Line item	20.1	22.0	0.0	0.0	2.0	9.8	1.3
Radiologic technologists	29-2034	Line item	205.2	230.4	0.1	0.1	25.2	12.3	13.6
Magnetic resonance imaging technologists	29-2035	Line item	36.6	41.5	0.0	0.0	5.0	13.6	2.5
Emergency medical technicians and paramedics	29-2041	Line item	248.0	285.4	0.2	0.2	37.4	15.1	19.3
Health practitioner support technologists and technicians	29-2050	Summary	767.0	857.1	0.5	0.5	90.1	11.7	71.4
Dietetic technicians	29-2051	Line item	33.4	36.5	0.0	0.0	3.1	9.3	3.0
Pharmacy technicians	29-2052	Line item	402.5	450.1	0.3	0.3	47.6	11.8	37.5
Psychiatric technicians	29-2053	Line item	66.1	70.0	0.0	0.0	3.9	5.9	5.6
Respiratory therapy technicians	29-2054	Line item	10.8	4.7	0.0	0.0	-6.1	-56.3	0.0
Surgical technologists	29-2055	Line item	107.7	120.3	0.1	0.1	12.6	11.7	10.0
Veterinary technologists and technicians	29-2056	Line item	102.0	122.4	0.1	0.1	20.4	19.9	10.7
Ophthalmic medical technicians	29-2057	Line item	44.5	53.2	0.0	0.0	8.7	19.4	4.6
Licensed practical and licensed vocational nurses	29-2061	Line item	724.5	813.1	0.5	0.5	88.6	12.2	62.7
Medical records and health information technicians	29-2071	Line item	206.3	234.1	0.1	0.1	27.8	13.5	15.8
Opticians, dispensing	29-2081	Line item	77.6	88.9	0.0	0.1	11.3	14.5	7.0
Miscellaneous health technologists and technicians	29-2090	Summary	142.4	170.2	0.1	0.1	27.8	19.5	12.3
Orthotists and prosthetists	29-2091	Line item	7.8	9.5	0.0	0.0	1.7	21.9	0.7
Hearing aid specialists	29-2092	Line item	6.8	8.2	0.0	0.0	1.3	19.2	0.6
Health technologists and technicians, all other	29-2099	Line item	127.8		0.1	0.1	24.8	19.4	11.0
Other healthcare practitioners and technical occupations	29-9000	Summary	172.6	192.6	0.1	0.1	20.0	11.6	11.0
Occupational health and safety specialists and technicians	29-9010	Summary	101.8	109.9	0.1	0.1	8.1	7.9	6.1
Occupational health and safety specialists	29-9011	Line item	83.7	90.1	0.1	0.1	6.4	7.6	4.9
Occupational health and safety technicians	29-9012	Line item	18.1	19.8	0.0	0.0	1.7	9.5	1.1
Miscellaneous health practitioners and technical workers	29-9090	Summary	70.8		0.0	0.0	11.9	16.8	5.0
Athletic trainers	29-9091	Line item	27.8	34.0	0.0	0.0	6.2	22.2	2.2
Genetic counselors	29-9092	Line item	3.1	3.9	0.0	0.0	0.9	28.3	0.3
Healthcare practitioners and technical workers, all other	29-9099	Line item	40.0	44.8	0.0	0.0	4.8	12.1	2.6
Healthcare support occupations	31-0000	Summary	4,315.6		2.8	3.2	999.9	23.2	635.4
Nursing, psychiatric, and home health aides	31-1000	Summary	2,549.4	3,147.2	1.6	1.9	597.8	23.4	376.8
Home health aides	31-1011	Line item	911.5	1,337.0	0.6	0.8	425.6	46.7	167.7
Psychiatric aides	31-1013	Line item	73.6		0.0	0.0	3.9	5.2	8.8
Nursing assistants	31-1014	Line item	1,510.3	1,674.4	1.0	1.0	164.0	10.9	193.6
Orderlies	31-1015	Line item	54.0	58.4	0.0	0.0	4.4	8.1	6.7
Occupational therapy and physical therapist assistants and aides	31-2000	Summary	187.1	242.6	0.1	0.1	55.5	29.7	31.0
Occupational therapy assistants and aides	31-2010	Summary	46.8		0.0	0.0	13.2	28.3	7.8
Occupational therapy assistants	31-2011	Line item	39.3		0.0	0.0	11.4	28.9	

Physical therapist assistants and aides 31-2020 Line item 8.8.3 115.5 0.1 0.1 42.3 30.1										
Physical therapist assistants	Occupational therapy aides	31-2012	Line item	7.5	9.3	0.0	0.0	1.8	24.7	1.2
Physical therapist aides	Physical therapist assistants and aides	31-2020	Summary	140.3	182.6	0.1	0.1		30.1	23.2
Diver healthcare support occupations 31-9000 Summary 1,679.1 1,925.7 1.0 1.1 346.6 21.9	Physical therapist assistants	31-2021	Line item							14.7
Massage therapists		31-2022	Line item			0.0	0.0	15.1		8.5
Miscellaneous healthcare support occupations 31-9090 Summary 1,418.8 1,727.6 0.9 1.0 308.8 21.8	Other healthcare support occupations	31-9000	Summary	1,579.1	1,925.7	1.0	1.1	346.6		227.6
Dental assistants 31-9991 Line item 332.0 396.6 0.2 0.2 64.6 19.5	Massage therapists	31-9011	Line item	160.3	198.1	0.1	0.1	37.7	23.5	21.9
Dental assistants 31-9091 Line item 332.0 396.6 0.2 0.2 64.6 19.5	Miscellaneous healthcare support occupations	31-9090	Summary	1,418.8	1,727.6	0.9	1.0	308.8	21.8	205.6
Medical equipment preparers 31-903 Line item 54.2 60.1 0.0 0.0 5.9 10.9		31-9091	Line item	332.0	396.6	0.2	0.2	64.6	19.5	45.9
Medical equipment preparers 31-9093 Line item 54.2 60.1 0.0 0.0 5.9 10.9	Medical assistants	31-9092	Line item	634.4	819.0	0.4	0.5	184.6	29.1	95.0
Medical transcriptionists 31-9094 Line item 57.4 55.4 0.0 0.0 2.0 -3.5	Medical equipment preparers		Line item			0.0	0.0			7.6
Pharmacy aides 31-9095 Line item 36.9 35.2 0.0 0.0 1.8 4.8	Medical transcriptionists	31-9094	Line item	57.4	55.4	0.0	0.0		-3.5	6.4
Veterinary assistants and laboratory animal caretakers 31-9096 Line item 83.8 100.0 0.1 0.1 16.3 19.4			Line item							4.7
Phlebotomists										15.5
Healthcare support workers, all other 31-0099 Line item 97.3 108.6 0.1 0.1 11.3 11.6			Line item							16.9
Protective service occupations 33-0000 Summary 3,505.6 3,663.8 2.2 2.2 158.2 4.5 Supervisors of protective service workers 33-1000 Summary 284.2 295.2 0.2 0.2 11.1 3.9 First-line supervisors of law enforcement workers 33-1010 Summary 149.9 153.3 0.1 0.1 3.4 2.3 First-line supervisors of correctional officers 33-1011 Line item 45.2 41.7 0.0 0.0 -3.5 -7.8 First-line supervisors of police and detectives 33-1012 Line item 104.7 111.6 0.1 0.1 6.9 6.6 6.6 First-line supervisors of fire fighting and prevention workers 33-1021 Line item 59.1 63.3 0.0 0.0 0.0 4.2 7.2 First-line supervisors of protective service workers, all other 33-1092 Line item 59.1 63.3 0.0 0.0 0.0 4.2 7.2 First-line supervisors of protective service workers, all other 33-1092 Line item 59.1 63.3 0.0 0.0 0.0 4.2 7.2 Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 25.0 7.3 Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 23.6 7.2 Fire inspectors and investigators 33-2021 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors and investigators 33-2021 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors and prevention specialists 33-2021 Line item 1.7 2.2 0.0 0.0 0.0 0.9 7.3 Fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.5 26.6 Line item 1.7 2.2 0.0 0.0 0.3 3.49 7.4 Line item 1.8 Line item 1.8 Line item										13.7
Supervisors of protective service workers 33-1000 Summary 284.2 295.2 0.2 0.2 11.1 3.9 First-line supervisors of law enforcement workers 33-1010 Summary 149.9 153.3 0.1 0.1 3.4 2.3 First-line supervisors of correctional officers 33-1011 Line item 45.2 41.7 0.0 0.0 0.3 5.7.8 First-line supervisors of police and detectives 33-1012 Line item 104.7 111.6 0.1 0.1 0.1 6.9 6.6 First-line supervisors of fire fighting and prevention workers 33-1021 Line item 59.1 63.3 0.0 0.0 0.4 2.7.2 First-line supervisors of protective service workers, all other 33-1021 Line item 59.1 63.3 0.0 0.0 0.4 2.7.2 First-line supervisors of protective service workers, all other 33-1099 Line item 75.2 78.6 0.0 0.0 3.4 4.6 Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 25.0 7.3 Fire fighting and prevention workers 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors and investigators 33-2021 Line item 327.3 351.0 0.0 0.0 1.4 9.7 Fire inspectors and investigators 33-2022 Line item 12.3 13.2 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.5 26.6 Law enforcement workers 33-3000 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 Bailiffs, correctional officers, and jailers 33-3010 Summary 466.6 433.7 0.3 0.3 0.3 -3.49 -7.4 Bailiffs 33-3011 Line item 450.0 415.5 0.3 0.2 -34.5 -7.7 Detectives and criminal investigators 33-3021 Line item 110.9 115.9 0.1 0.1 5.0 4.5 Firsh and game wardens 33-3031 Line item 450.0 415.5 0.3 0.2 -34.5 -7.7 Police and sheriff's patrol officers 33-3051 Line item 450.0 415.5 0.3 0.0 0.0 0.3 3.3 Parking enforcement workers 33-3031 Line item 450.0 41.6 0.0 0.0 0.3 3.3										397.2
First-line supervisors of law enforcement workers 33-1010 Summary 149.9 153.3 0.1 0.1 3.4 2.3 First-line supervisors of correctional officers 33-1011 Line item 45.2 41.7 0.0 0.0 -3.5 -7.8 First-line supervisors of police and detectives 33-1012 Line item 104.7 111.6 0.1 0.1 0.1 6.9 6.6 First-line supervisors of fire fighting and prevention workers 33-1012 Line item 59.1 63.3 0.0 0.0 4.2 7.2 First-line supervisors of protective service workers, all other 33-1099 Line item 59.1 63.3 0.0 0.0 3.4 4.6 Fire fighting and prevention workers 33-2001 Line item 75.2 78.6 0.0 0.0 3.4 4.6 Fire fighting and prevention workers 33-2001 Line item 327.3 351.0 0.2 0.2 22.5 7.2 Fire inspectors 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors and investigators 33-2021 Line item 327.3 351.0 0.2 0.0 0.0 1.4 9.7 Fire inspectors and investigators 33-2022 Line item 12.3 13.2 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.5 26.6 Law enforcement workers 33-3000 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 Bailiffs Gorrectional officers and jailers 33-3011 Line item 18.6 18.2 0.0 0.0 -0.4 -2.1 Correctional officers and jailers 33-3012 Line item 110.9 115.9 0.1 0.1 5.0 4.5 Fish and game wardens 33-3031 Line item 10.9 115.9 0.1 0.1 5.0 4.5 Fish and game wardens 33-3034 Line item 9.4 6.1 0.0 0.0 0.3 4.3 Parking enforcement workers 33-3005 Line item 49.4 6.1 0.0 0.0 0.3 3.3 Police officers 33-3051 Line item 49.4 6.1 0.0 0.0 0.3 3.3 Police officers 33-3050 Summary 1,595.0 1,702.0 1.0 1.0 107.0 Other protective service workers 33-9000 Summary 1,595.0 1,702.0 1.0 1.0 Other protective servi										21.6
First-line supervisors of correctional officers 33-1011 Line item 45.2 41.7 0.0 0.0 -3.5 -7.8 First-line supervisors of police and detectives 33-1012 Line item 104.7 111.6 0.1 0.1 6.9 6.6 EFIRST-line supervisors of fire fighting and prevention workers 33-1012 Line item 59.1 63.3 0.0 0.0 0.0 4.2 7.2 First-line supervisors of protective service workers, all other 33-1099 Line item 75.2 78.6 0.0 0.0 0.0 3.4 4.6 EFIRST-line supervisors of protective service workers, all other 33-1099 Line item 75.2 78.6 0.0 0.0 0.0 3.4 4.6 EFIRST-line supervisors of protective service workers, all other 33-2000 Summary 341.4 366.4 0.2 0.2 0.2 25.0 7.3 EFIRST-line inspectors 33-2000 Summary 341.4 366.4 0.2 0.2 0.2 23.6 7.2 EFIRST-line inspectors and investigators 33-2020 Summary 14.1 15.4 0.0 0.0 1.4 9.7 EFIRST-line inspectors and investigators 33-2021 Line item 12.3 13.2 0.0 0.0 0.0 1.4 9.7 EFIRST-line inspectors and prevention specialists 33-2021 Line item 12.3 13.2 0.0 0.0 0.0 0.9 7.3 EFIRST-line inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.0 0.5 26.6 EFIRST-line inspectors and prevention specialists 33-3000 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 EFIRST-line item 1.5 0.0 0.0 0.0 0.5 26.6 EFIRST-line item 1.5 0.0 0.0 0.0 0.5 26.6 EFIRST-line item 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	· · · · · · · · · · · · · · · · · · ·									9.5
First-line supervisors of police and detectives 33-1012 Line item 104.7 111.6 0.1 0.1 6.9 6.6 First-line supervisors of fire lighting and prevention workers 33-1021 Line item 59.1 63.3 0.0 0.0 0.0 4.2 7.2 First-line supervisors of protective service workers, all other 33-1099 Line item 75.2 78.6 0.0 0.0 0.0 3.4 4.6 Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 2.5 0 7.3 Firefighters 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Firefighters 33-2012 Summary 14.1 15.4 0.0 0.0 1.4 9.7 Fire inspectors and investigators 33-2021 Line item 12.3 13.2 0.0 0.0 1.4 9.7 Fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.0 0.5 26.6 Law enforcement workers 33-3010 Summary 1.285.0 1.300.1 0.8 0.8 15.2 1.2 Bailiffs, correctional officers, and jailers 33-3011 Line item 18.6 18.2 0.0 0.0 0.0 -0.4 -2.1 Correctional officers and jailers 33-3011 Line item 450.0 415.5 0.3 0.2 -34.5 -7.7 Detectives and criminal investigators 33-3021 Line item 110.9 115.9 0.1 0.1 5.0 4.5 Fish and game wardens 33-3031 Line item 7.0 7.3 0.0 0.0 0.3 4.3 Parking enforcement workers 33-3051 Line item 9.4 6.1 0.0 0.0 -3.3 -35.3 Parking enforcement workers 33-3051 Line item 9.4 6.1 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers 33-3051 Line item 9.4 6.1 0.0 0.0 0.0 -3.3 -35.3 Police officers and sheriff's patrol offices 33-3050 Summary 689.1 737.2 0.4 0.4 0.4 47.8 7.0 Tolece officers and investigators 33-3051 Line item 4.9 5.3 0.0 0.0 0.0 0.0 0.3 6.3 Cother protective service workers 33-3051 Line item 4.9 5.3 0.0 0.0 0.0 0.0 0.3 6.3 Cother protective service workers 33-3051 Line item 4.4 4.5 7 0.0 0.0 0.0 0.1 1.8 4 Cother protective service workers 33-3050 Summary 1.585.0 1.705.0 0.7 0.7 71.0 6.3										2.5
First-line supervisors of fire fighting and prevention workers First-line supervisors of protective service workers, all other First-line supervisors of protective service workers, all other 33-1099 Line item 75.2 78.6 0.0 0.0 3.4 4.6 Firefighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 25.0 7.3 Firefighters 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors 33-2020 Summary 14.1 15.4 0.0 0.0 1.4 9.7 Fire inspectors and investigators Forest fire inspectors and prevention specialists 33-2021 Line item 12.3 13.2 0.0 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.0 0.5 26.6 Law enforcement workers 33-3010 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 Bailiffs, correctional officers, and jailers 33-3010 Summary 486.6 433.7 0.3 0.3 0.3 -34.9 -7.4 Bailiffs Correctional officers and jailers 33-3011 Line item 18.6 18.2 0.0 0.0 0.0 -0.4 -2.1 Correctional officers and investigators 33-3012 Line item 110.9 115.9 0.1 0.1 5.0 4.5 Fish and game wardens 9-arking enforcement workers 33-30341 Line item 9.4 6.1 0.0 0.0 -3.3 -35.3 Police and sheriff's patrol officers 33-3050 Summary 1,595.0 1,702.0 1.0 1.0 1.0 1.0 Augusta 1.0 1.0 1.0 August										7.1
First-line supervisors of protective service workers, all other Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 25.0 7.3 Fire fighters 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors 33-2020 Summary 14.1 15.4 0.0 0.0 1.4 9.7 Fire inspectors and investigators 33-2021 Line item 12.3 13.2 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.5 26.6 Law enforcement workers 33-3000 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 Bailiffs, correctional officers, and jailers 33-3010 Summary 468.6 433.7 0.3 0.3 -34.9 7.4 Bailiffs 33-3011 Line item 18.6 18.2 0.0 0.0 -0.4 -2.1 Correctional officers and jailers 33-3012 Line item 450.0 415.5 0.3 0.2 -34.5 7.7 Detectives and criminal investigators 33-3031 Line item 110.9 115.9 0.1 0.1 0.1 5.0 4.5 Fish and game wardens 33-3031 Line item 7.0 7.3 0.0 0.0 0.3 4.3 Parking enforcement workers 33-3051 Line item 9.4 6.1 0.0 0.0 -3.3 -35.3 Police officers 33-3052 Line item 4.9 5.3 0.0 0.0 0.3 6.3 Other protective service workers 33-9000 Summary 1,595.0 1,702.0 1.0 1.0 107.0 6.7 Animal control workers 33-9000 Summary 1,133.9 1,205.0 0.7 0.7 71.0 6.3 Security guards and gaming surveillance officers 33-9030 Summary 1,133.9 1,205.0 0.7 0.7 71.0 6.3										4.4
Fire fighting and prevention workers 33-2000 Summary 341.4 366.4 0.2 0.2 25.0 7.3 Fire finghters 33-2011 Line item 327.3 351.0 0.2 0.2 23.6 7.2 Fire inspectors 33-2020 Summary 14.1 15.4 0.0 0.0 0.9 7.3 Fire inspectors and investigators 33-2021 Line item 12.3 13.2 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.9 7.3 Forest fire inspectors and prevention specialists 33-2022 Line item 1.7 2.2 0.0 0.0 0.5 26.6 Law enforcement workers 33-3000 Summary 1,285.0 1,300.1 0.8 0.8 15.2 1.2 Bailiffs Surrectional officers and jailers 33-3010 Summary 468.6 433.7 0.3 0.3 -34.9 -7.4 De	1 0 0 1									7.7
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Transit and railroad police 33-3052 Line item 4.9 5.3 0.0 0.0 0.3 6.3 Other protective service workers 33-9000 Summary 1,595.0 1,702.0 1.0 1.0 107.0 6.7 Animal control workers 33-9011 Line item 13.4 14.6 0.0 0.0 1.1 8.4 Private detectives and investigators 33-9021 Line item 41.4 45.7 0.0 0.0 4.3 10.5 Security guards and gaming surveillance officers 33-9030 Summary 1,133.9 1,205.0 0.7 0.7 71.0 6.3										49.8
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Private detectives and investigators 33-9021 Line item 41.4 45.7 0.0 0.0 4.3 10.5 Security guards and gaming surveillance officers 33-9030 Summary 1,133.9 1,205.0 0.7 0.7 71.0 6.3										258.6
Security guards and gaming surveillance officers 33-9030 Summary 1,133.9 1,205.0 0.7 0.7 71.0 6.3										1.6
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Gaming surveillance officers and gaming investigators 133,0031 I ine itom 10.7 11.1 0.0 0.0 0.0 0.4 2.5					1,205.0					159.0
	Gaming surveillance officers and gaming investigators	33-9031	Line item	10.7	11.1	0.0	0.0	0.4	3.5	1.4
Security guards 33-9032 Line item 1,123.3 1,193.9 0.7 0.7 70.7 6.3	7 0	33-9032	Line item	1,123.3		0.7				157.5
Miscellaneous protective service workers 33-9090 Summary 406.2 436.7 0.3 0.3 30.5 7.5	Miscellaneous protective service workers	33-9090	Summary	406.2	436.7	0.3	0.3	30.5		93.6
Crossing guards 33-9091 Line item 74.3 80.6 0.0 0.0 6.3 8.5	Crossing guards	33-9091	Line item	74.3	80.6	0.0	0.0	6.3	8.5	14.5
Lifeguards, ski patrol, and other recreational protective service 33-9092 Line item 152.1 163.7 0.1 0.1 11.7 7.7	Lifeguards, ski patrol, and other recreational protective service	33-9092	Line item	152.1	163.7	0.1	0.1	11.7	7.7	39.7
Transportation security screeners 33-9093 Line item 46.1 47.3 0.0 0.0 1.2 2.6							0.0			4.2
Protective service workers, all other 33-9099 Line item 133.8 145.1 0.1 0.1 11.3 8.4							0.1	11.3		35.2
Food preparation and serving related occupations 35-0000 Summary 13,206.1 14,438.3 8.5 8.6 1,232.2 9.3	,						8.6			2,469.9
Supervisors of food preparation and serving workers 35-1000 Summary 1,083.4 1,185.0 0.7 0.7 101.5 9.4										166.6
Chefs and head cooks 35-1011 Line item 146.5 160.5 0.1 0.1 14.1 9.6										20.3
First-line supervisors of food preparation and serving workers 35-1012 Line item 936.9 1,024.4 0.6 0.6 87.5 9.3										146.2
Cooks and food preparation workers 35-2000 Summary 3,274.1 3,490.4 2.1 2.1 216.3 6.6										515.8
	Cooks	35-2010	Summary	2,403.0			1.5	147.6		358.0

Cooks, fast food	35-2011	Line item	517.6	490.5	0.3	0.3	-27.1	-5.2	67.2
Cooks, institution and cafeteria	35-2012	Line item	424.8	457.4	0.3	0.3	32.6		64.4
Cooks, private household	35-2013	Line item	25.0		0.0	0.0	1.4		3.7
Cooks, restaurant	35-2014	Line item	1,231.9		0.8	0.8	145.3		195.3
Cooks, short order	35-2015	Line item	185.9		0.1	0.1	-6.2		24.7
Cooks, all other	35-2019	Line item	17.8		0.0	0.0	1.6		2.7
Food preparation workers	35-2021	Line item	871.1	939.8	0.6	0.6	68.7	7.9	157.7
Food and beverage serving workers	35-3000	Summary	7,432.9	8,260.6	4.8	4.9	827.7	11.1	1,517.3
Bartenders	35-3011	Line item	611.2	626.3	0.4	0.4	15.1	2.5	102.3
Fast food and counter workers	35-3020	Summary	3,957.5		2.5	2.7	603.1	15.2	849.2
Combined food preparation and serving workers, including fast food	35-3021	Line item	3,452.2	4,032.1	2.2	2.4	579.9		736.0
Counter attendants, cafeteria, food concession, and coffee shop	35-3022	Line item	505.2	528.4	0.3	0.3	23.2	4.6	113.2
Waiters and waitresses	35-3031	Line item	2,600.5		1.7	1.7	182.5		522.7
Food servers, nonrestaurant	35-3041	Line item	263.8		0.2	0.2	26.9		43.1
Other food preparation and serving related workers	35-9000	Summary	1,415.7	1,502.3	0.2	0.2	86.6		270.3
Dining room and cafeteria attendants and bartender helpers	35-9000	Line item	431.2	461.7	0.3	0.3	30.5		78.2
Dishwashers	35-9011	Line item	514.3		0.3	0.3	22.2	4.3	83.0
Hosts and hostesses, restaurant, lounge, and coffee shop	35-9021	Line item	409.2	437.5	0.3	0.3	28.3	6.9	97.9
Food preparation and serving related workers, all other	35-9099	Line item	60.9		0.0	0.0	5.6		11.3
						3.7		8.7	
Building and grounds cleaning and maintenance occupations Supervisors of building and grounds cleaning and maintenance workers	37-0000	Summary	5,654.1	6,147.3	3.6		493.2		783.5
	37-1000	Summary	421.8		0.3	0.3	38.0		49.3
First-line supervisors of housekeeping and janitorial workers	37-1011	Line item	243.5	264.4	0.2	0.2	20.9	8.6	30.3
First-line supervisors of landscaping, lawn service, and	07.4040	1 : : : : : : : : : : : : : : : : : :	470.0	405.4	0.4	0.4	47.4	0.0	40.0
groundskeeping workers	37-1012	Line item	178.3	195.4	0.1	0.1	17.1	9.6	19.0
Building cleaning and pest control workers	37-2000	Summary	3,923.0	4,244.8	2.5	2.5	321.8		558.3
Building cleaning workers	37-2010	Summary	3,844.0		2.5	2.5	315.5		546.7
Janitors and cleaners, except maids and housekeeping cleaners	37-2011	Line item	2,384.6		1.5	1.6	233.0		343.5
Maids and housekeeping cleaners	37-2012	Line item	1,443.2	1,523.6	0.9	0.9	80.4		200.8
Building cleaning workers, all other	37-2019	Line item	16.2	18.3	0.0	0.0	2.0		2.4
Pest control workers	37-2021	Line item	78.9	85.2	0.1	0.1	6.3		11.6
Grounds maintenance workers	37-3000	Summary	1,309.3	1,442.7	0.8	0.9	133.4	10.2	175.9
Landscaping and groundskeeping workers	37-3011	Line item	1,197.9	1,321.2	0.8	0.8	123.3		161.1
Pesticide handlers, sprayers, and applicators, vegetation	37-3012	Line item	38.0		0.0	0.0	2.7	7.0	4.9
Tree trimmers and pruners	37-3013	Line item	54.5		0.0	0.0	5.8		7.4
Grounds maintenance workers, all other	37-3019	Line item	18.9		0.0	0.0	1.6		2.5
Personal care and service occupations	39-0000	Summary	6,419.7	7,589.0	4.1	4.5	1,169.2	18.2	1,131.3
Supervisors of personal care and service workers	39-1000	Summary	326.7	364.4	0.2	0.2	37.7	11.5	39.0
First-line supervisors of gaming workers	39-1010	Summary	50.6	52.4	0.0	0.0	1.8		8.1
Gaming supervisors	39-1011	Line item	38.5	39.9	0.0	0.0	1.3		6.2
Slot supervisors	39-1012	Line item	12.1	12.6	0.0	0.0	0.5		2.0
First-line supervisors of personal service workers	39-1021	Line item	276.1	312.0	0.2	0.2	35.9		30.9
Animal care and service workers	39-2000	Summary	296.4			0.2	58.7		
Animal trainers	39-2011	Line item	54.9		0.0	0.0	5.9		7.0
Nonfarm animal caretakers	39-2021	Line item	241.5	294.4	0.2	0.2	52.8		45.2
Entertainment attendants and related workers	39-3000	Summary	584.3	625.9	0.4	0.4	41.6	7.1	132.3
Gaming services workers	39-3010	Summary	121.0	122.6	0.1	0.1	1.6	1.4	18.1
Gaming dealers	39-3011	Line item	96.9	98.0	0.1	0.1	1.1		14.5
Gaming and sports book writers and runners	39-3012	Line item	11.7	12.1	0.0	0.0	0.4	3.8	1.8
Gaming service workers, all other	39-3019	Line item	12.5	12.6	0.0	0.0	0.1	0.7	1.9
Motion picture projectionists	39-3021	Line item	5.8		0.0	0.0	-0.6		0.6
Ushers, lobby attendants, and ticket takers	39-3031	Line item	117.7	126.4	0.1	0.1	8.8		
Miscellaneous entertainment attendants and related workers	39-3090	Summary	339.8		0.2	0.2	31.7		83.0
Amusement and recreation attendants	39-3091	Line item	300.0		0.2	0.2	27.8		73.2
Costume attendants	39-3092	Line item	6.6			0.0	0.6		

Locker room, coatroom, and dressing room attendants	39-3093	Line item	18.6	20.2	0.0	0.0	1.6	8.7	4.5
Entertainment attendants and related workers, all other	39-3099	Line item	14.6	16.2	0.0	0.0	1.7		3.6
Funeral service workers	39-4000	Summary	68.5	70.8	0.0	0.0	2.3		
Embalmers	39-4011	Line item	3.7	3.7	0.0	0.0	0.0		
Funeral attendants	39-4021	Line item	36.1	37.0	0.0	0.0	1.0		5.6
Morticians, undertakers, and funeral directors	39-4031	Line item	28.7	30.0	0.0	0.0	1.3		
Personal appearance workers	39-5000	Summary	887.3	983.8	0.6	0.6	96.5		115.9
Barbers, hairdressers, hairstylists and cosmetologists	39-5010	Summary	673.7	744.2	0.4	0.4	70.5		88.2
Barbers	39-5011	Line item	56.4	61.6	0.0	0.0	5.2		5.8
Hairdressers, hairstylists, and cosmetologists	39-5012	Line item	617.3	682.7	0.4	0.4	65.3		82.4
Miscellaneous personal appearance workers	39-5090	Summary	213.6	239.6	0.4	0.1	26.0		27.7
Makeup artists, theatrical and performance	39-5091	Line item	4.8	5.4	0.0	0.0	0.5		0.6
Manicurists and pedicurists	39-5092	Line item	126.3	141.4	0.0	0.1	15.2		16.4
Shampooers	39-5092	Line item	21.2	23.8	0.0	0.0	2.6		2.8
Skincare specialists	39-5094	Line item	61.3	69.0	0.0	0.0	7.7		8.0
Baggage porters, bellhops, and concierges	39-6000	Summary	77.6	85.0	0.0	0.0	7.4		
Baggage porters and bellhops	39-6011	Line item	45.1	48.8	0.0	0.0	3.7	8.2	6.7
	39-6012	Line item	32.5	36.2	0.0	0.0	3.7		5.0
Concierges Tour and travel guides	39-7000		32.5 49.4	54.6	0.0	0.0	5.2		9.4
Tour guides and escorts	_	Summary				0.0	5.0		
	39-7011	Line item	45.8	50.8	0.0				
Travel guides	39-7012	Line item	3.6	3.8	0.0	0.0	0.2		
Other personal care and service workers	39-9000	Summary	4,129.5	5,049.4	2.6	3.0	919.9		760.8
Childcare workers	39-9011	Line item	1,216.6	1,298.7	0.8	0.8	82.1	6.7	188.8
Personal care aides	39-9021	Line item	2,016.1	2,770.1	1.3	1.7	754.0		
Recreation and fitness workers	39-9030	Summary	689.1	751.7	0.4	0.4	62.6		125.5
Fitness trainers and aerobics instructors	39-9031	Line item	299.2	328.4	0.2	0.2	29.3		
Recreation workers	39-9032	Line item	390.0	423.3	0.2	0.3	33.3		
Residential advisors	39-9041	Line item	118.8	134.1	0.1	0.1	15.3		
Personal care and service workers, all other	39-9099	Line item	88.9	94.9	0.1	0.1	6.0		
Sales and related occupations	41-0000	Summary	15,747.8	16,255.2	10.1	9.7	507.4		
Supervisors of sales workers	41-1000	Summary	1,937.6	2,040.9	1.2	1.2	103.3		211.3
First-line supervisors of retail sales workers	41-1011	Line item	1,532.4	1,609.7	1.0	1.0	77.3		
First-line supervisors of non-retail sales workers	41-1012	Line item	405.2	431.2	0.3	0.3	26.0		
Retail sales workers	41-2000	Summary	8,891.5	8,988.6	5.7	5.4	97.1	1.1	1,424.8
Cashiers	41-2010	Summary	3,578.9	3,550.1	2.3	2.1	-28.9		658.4
Cashiers	41-2011	Line item	3,555.5	3,526.0	2.3	2.1	-29.5		
Gaming change persons and booth cashiers	41-2012	Line item	23.4	24.0	0.0	0.0	0.6		4.5
Counter and rental clerks and parts salespersons	41-2020	Summary	710.1	748.0	0.5	0.4	37.9		
Counter and rental clerks	41-2021	Line item	458.2	483.4	0.3	0.3	25.1	5.5	
Parts salespersons	41-2022	Line item	251.9	264.6	0.2	0.2	12.8		32.9
Retail salespersons	41-2031	Line item	4,602.5	4,690.6	2.9	2.8	88.1	1.9	
Sales representatives, services	41-3000	Summary	2,091.8	2,245.7	1.3	1.3	154.0		
Advertising sales agents	41-3011	Line item	149.9	145.6	0.1	0.1	-4.4	-2.9	
Insurance sales agents	41-3021	Line item	501.4	550.0	0.3	0.3	48.6	9.7	54.5
Securities, commodities, and financial services sales agents	41-3031	Line item	375.7	398.7	0.2	0.2	23.0	6.1	38.0
Travel agents	41-3041	Line item	81.7	74.3	0.1	0.0	-7.5	-9.1	8.1
Sales representatives, services, all other	41-3099	Line item	983.0	1,077.2	0.6	0.6	94.2	9.6	130.9
Sales representatives, wholesale and manufacturing	41-4000	Summary	1,813.5	1,913.3	1.2	1.1	99.8	5.5	196.3
Sales representatives, wholesale and manufacturing, technical and		•							
scientific products	41-4011	Line item	343.6	362.4	0.2	0.2	18.7	5.5	37.2
Sales representatives, wholesale and manufacturing, except technical		-							
and scientific products	41-4012	Line item	1,469.9	1,551.0	0.9	0.9	81.1	5.5	159.1
Other sales and related workers	41-9000	Summary	1,013.4	1,066.6	0.6	0.6	53.2		
Models, demonstrators, and product promoters	41-9010	Summary	99.5	106.2	0.1	0.1	6.6		

Demonstrators and product promoters	41-9011	Line item	94.7	101.4	0.1	0.1	6.7	7.0	17.2
Models	41-9012	Line item	4.8	4.8	0.0	0.0	0.0	-0.9	0.8
Real estate brokers and sales agents	41-9020	Summary	444.1	471.0	0.3	0.3	26.9	6.0	43.9
Real estate brokers	41-9021	Line item	95.3	100.5	0.1	0.1	5.1	5.4	9.3
Real estate sales agents	41-9022	Line item	348.8	370.5	0.2	0.2	21.7	6.2	34.6
Sales engineers	41-9031	Line item	74.9	80.1	0.0	0.0	5.2	6.9	8.3
Telemarketers	41-9041	Line item	216.6	216.5	0.1	0.1	-0.1	0.0	33.3
Miscellaneous sales and related workers	41-9090	Summary	178.3	192.8	0.1	0.1	14.5	8.2	23.3
Door-to-door sales workers, news and street vendors, and related	41-9091	Line item	82.4	87.5	0.1	0.1	5.2	6.3	9.4
Sales and related workers, all other	41-9099	Line item	95.9	105.3	0.1	0.1	9.4	9.8	13.9
Office and administrative support occupations	43-0000	Summary	23,081.2	23,230.6	14.8	13.9	149.4	0.6	2,596.4
Supervisors of office and administrative support workers	43-1000	Summary	1,506.3	1,557.5	1.0	0.9	51.2	3.4	153.0
First-line supervisors of office and administrative support workers	43-1011	Line item	1,506.3	1,557.5	1.0	0.9	51.2	3.4	153.0
Communications equipment operators	43-2000	Summary	104.7	84.4	0.1	0.1	-20.3	-19.4	10.2
Switchboard operators, including answering service	43-2011	Line item	93.2	74.7	0.1	0.0	-18.5	-19.9	9.0
Telephone operators	43-2011	Line item	9.1	7.0	0.0	0.0	-2.0	-22.6	0.9
Communications equipment operators, all other	43-2099	Line item	2.4	2.6	0.0	0.0	0.2	10.4	0.3
Financial clerks	43-3000	Summary	3,336.6	3,332.3	2.1	2.0	-4.3	-0.1	358.8
Bill and account collectors	43-3011	Line item	305.7	296.6	0.2	0.2	- 4. 5	-3.0	30.2
Billing and posting clerks	43-3011	Line item	501.0	571.9	0.2	0.2	70.9	14.2	59.6
Bookkeeping, accounting, and auditing clerks	43-3021	Line item	1,730.5	1,706.9	1.1	1.0	-23.5	-1.4	186.6
Gaming cage workers	43-3041	Line item	1,730.5	1,700.9	0.0	0.0	0.3	1.4	3.0
Payroll and timekeeping clerks	43-3051	Line item	166.3	164.7	0.0	0.0	-1.6		16.1
Procurement clerks	43-3061	Line item	74.9	71.8	0.0	0.0	-3.2	-4.2	7.5
Tellers	43-3061	Line item	502.7	460.9	0.0	0.0	-3.2 -41.7	-8.3	51.5
									4.3
Financial clerks, all other	43-3099	Line item	36.6	40.2	0.0	0.0	3.6		
Information and record clerks	43-4000	Summary	5,830.0	6,138.1	3.7	3.7	308.1	5.3	760.0
Brokerage clerks	43-4011	Line item	60.4	63.4	0.0	0.0	3.0		6.6
Correspondence clerks	43-4021	Line item	7.2	7.4	0.0	0.0	0.2	2.1	0.8
Court, municipal, and license clerks	43-4031	Line item	135.5	144.4	0.1	0.1	8.9	6.6	12.6
Credit authorizers, checkers, and clerks	43-4041	Line item	38.5	37.4	0.0	0.0	-1.1	-2.8	3.7
Customer service representatives	43-4051	Line item	2,784.5	2,920.5	1.8	1.7	136.0	4.9	373.4
Eligibility interviewers, government programs	43-4061	Line item	143.1	151.6	0.1	0.1	8.5	6.0	13.6
File clerks	43-4071	Line item	135.0	121.1	0.1	0.1	-13.9	-10.3	14.2
Hotel, motel, and resort desk clerks	43-4081	Line item	252.6	263.9	0.2	0.2	11.3	4.5	40.9
Interviewers, except eligibility and loan	43-4111	Line item	194.7	205.7	0.1	0.1	11.0	5.7	24.3
Library assistants, clerical	43-4121	Line item	104.3	114.1	0.1	0.1	9.8	9.4	16.3
Loan interviewers and clerks	43-4131	Line item	229.8	258.2	0.1	0.2	28.4	12.4	25.7
New accounts clerks	43-4141	Line item	42.0	39.4	0.0	0.0	-2.6	-6.2	4.0
Order clerks	43-4151	Line item	179.0	175.4	0.1	0.1	-3.6	-2.0	19.5
Human resources assistants, except payroll and timekeeping	43-4161	Line item	141.5	138.9	0.1	0.1	-2.6	-1.8	15.1
Receptionists and information clerks	43-4171	Line item	1,053.7	1,149.4	0.7	0.7	95.7		151.2
Reservation and transportation ticket agents and travel clerks	43-4181	Line item	150.1	155.7	0.1	0.1	5.6		16.3
Information and record clerks, all other	43-4199	Line item	178.1	191.7	0.1	0.1	13.6		
Material recording, scheduling, dispatching, and distributing workers	43-5000	Summary	4,117.5	4,196.8	2.6	2.5	79.3	1.9	454.1
Cargo and freight agents	43-5011	Line item	89.8		0.1	0.1	9.3		8.6
Couriers and messengers	43-5021	Line item	95.0	103.0	0.1	0.1	8.0		
Dispatchers	43-5030	Summary	300.3	308.4	0.2	0.2	8.1	2.7	28.0
Police, fire, and ambulance dispatchers	43-5031	Line item	98.6	106.7	0.1	0.1	8.2	8.3	10.0
Dispatchers, except police, fire, and ambulance	43-5032	Line item	201.7	201.7	0.1	0.1	0.0		18.0
Meter readers, utilities	43-5041	Line item	34.8	33.2	0.0	0.0	-1.5		2.3
Postal service workers	43-5050	Summary	502.4	437.1	0.3	0.3	-65.3	-13.0	26.1
Postal service clerks	43-5051	Line item	79.0	69.5	0.1	0.0	-9.5	-12.1	4.8
Postal service mail carriers	43-5052	Line item	316.7	278.5	0.2	0.2	-38.2	-12.1	16.1

Postal service mail sorters, processors, and processing machine	43-5053	Line item	106.7	89.1	0.1	0.1	-17.5	-16.5	5.2
Production, planning, and expediting clerks	43-5061	Line item	329.4	347.3	0.2	0.2	17.9		35.5
Shipping, receiving, and traffic clerks	43-5071	Line item	681.4	681.4	0.4	0.4	0.1	0.0	67.2
Stock clerks and order fillers	43-5081	Line item	2,008.6	2,109.9	1.3	1.3	101.3		269.3
Weighers, measurers, checkers, and samplers, recordkeeping	43-5111	Line item	75.9	77.3	0.0	0.0	1.4		7.6
Secretaries and administrative assistants	43-6000	Summary	3,990.4	3,798.5	2.6	2.3	-191.9		394.7
Executive secretaries and executive administrative assistants	43-6011	Line item	685.3	566.2	0.4	0.3	-119.1	-17.4	54.6
Legal secretaries	43-6012	Line item	194.7	157.5	0.1	0.1	-37.1	-19.1	15.0
Medical secretaries	43-6013	Line item	574.2	703.2	0.4	0.4	129.1	22.5	80.8
Secretaries and administrative assistants, except legal, medical, and	+3 0013	Line item	514.2	700.2	0.4	0.4	120.1	22.0	00.0
executive	43-6014	Line item	2,536.2	2,371.4	1.6	1.4	-164.8	-6.5	244.3
Other office and administrative support workers	43-9000	Summary	4,195.7	4,123.0	2.7	2.5	-72.7	-1.7	465.5
Computer operators	43-9011	Line item	51.5	39.7	0.0	0.0	-11.8		3.4
Data entry and information processing workers	43-9020	Summary	278.7	210.6	0.2	0.1	-68.1	-24.4	21.3
Data entry keyers	43-9021	Line item	203.8	160.8	0.1	0.1	-43.1	-21.1	16.8
Word processors and typists	43-9022	Line item	74.9	49.9	0.0	0.0	-25.0	-33.4	4.5
Desktop publishers	43-9031	Line item	14.6	12.6	0.0	0.0	-2.0		1.3
Insurance claims and policy processing clerks	43-9041	Line item	308.5	342.6	0.2	0.0	34.1	11.0	35.6
Mail clerks and mail machine operators, except postal service	43-9051	Line item	95.5	88.3	0.1	0.2	-7.1	-7.5	9.4
Office clerks, general	43-9061	Line item	3,117.7	3,085.7	2.0	1.8	-32.1	-1.0	356.2
Office cieros, general Office machine operators, except computer	43-9071	Line item	59.9	50.5	0.0	0.0	-9.4		5.1
Proofreaders and copy markers	43-9071	Line item	14.2	14.5	0.0	0.0	0.3		2.2
Statistical assistants	43-9001	Line item	11.8	12.9	0.0	0.0	1.1	9.2	1.6
Office and administrative support workers, all other	43-9111	Line item	243.2	265.5	0.0	0.0	22.3		29.5
Farming, fishing, and forestry occupations						0.6			155.0
Supervisors of farming, fishing, and forestry workers	45-0000	Summary	1,060.1	1,060.6	0.7		0.5 2.2		
	45-1000	Summary	48.7 48.7	51.0 51.0	0.0	0.0	2.2	4.6	6.7 6.7
First-line supervisors of farming, fishing, and forestry workers	45-1011 45-2000	Line item							
Agricultural workers		Summary	914.8	915.0	0.6	0.5	0.3		136.7
Agricultural inspectors	45-2011	Line item	15.6	16.3	0.0	0.0	0.7	4.6	2.2
Animal breeders	45-2021	Line item	9.0	9.2	0.0	0.0	0.2	2.0	1.4
Graders and sorters, agricultural products	45-2041	Line item	42.9	42.5	0.0	0.0	-0.4	-0.9	5.7
Miscellaneous agricultural workers	45-2090	Summary	847.3	847.0	0.5	0.5	-0.2	0.0	127.5
Agricultural equipment operators	45-2091	Line item	63.9	67.5	0.0	0.0	3.6		10.2
Farmworkers and laborers, crop, nursery, and greenhouse	45-2092	Line item	503.7	509.5	0.3	0.3	5.8		76.8
Farmworkers, farm, ranch, and aquacultural animals	45-2093	Line item	268.1	258.1	0.2	0.2	-10.1	-3.8	38.6
Agricultural workers, all other	45-2099	Line item	11.6	12.1	0.0	0.0	0.5		1.8
Fishing and hunting workers	45-3000	Line item	27.0	29.0	0.0	0.0	2.0		2.9
Forest, conservation, and logging workers	45-4000	Summary	69.6	65.6	0.0	0.0	-4.0		8.6
Forest and conservation workers	45-4011	Line item	14.3	14.1	0.0	0.0	-0.2	-1.3	2.2
Logging workers	45-4020	Summary	55.3	51.5	0.0	0.0	-3.8		6.4
Fallers	45-4021	Line item	7.5	6.7	0.0	0.0	-0.8		0.8
Logging equipment operators		Line item	39.1	36.3		0.0	-2.7		
Log graders and scalers	45-4023	Line item	4.2	4.3	0.0	0.0	0.1	2.7	0.6
Logging workers, all other	45-4029	Line item	4.5	4.1	0.0	0.0	-0.4		0.5
Construction and extraction occupations	47-0000	Summary	6,812.5	7,570.8	4.4	4.5	758.4		799.7
Supervisors of construction and extraction workers	47-1000	Summary	602.5	678.8	0.4	0.4	76.3		68.5
First-line supervisors of construction trades and extraction workers	47-1011	Line item	602.5	678.8	0.4	0.4	76.3		68.5
Construction trades workers	47-2000	Summary	5,347.0	5,918.4	3.4	3.5	571.4		612.0
Boilermakers	47-2011	Line item	17.2	18.6	0.0	0.0	1.4	8.4	1.9
Brickmasons, blockmasons, and stonemasons	47-2020	Summary	110.0	121.5	0.1	0.1	11.5		10.9
Brickmasons and blockmasons	47-2021	Line item	91.1	100.8	0.1	0.1	9.7	10.6	9.1
Stonemasons	47-2022	Line item	18.9	20.7	0.0	0.0	1.9	9.8	
Carpenters	47-2031	Line item	1,025.6	1,112.6	0.7	0.7	87.0		104.9
Carpet, floor, and tile installers and finishers	47-2040	Summary	122.3	134.5	0.1	0.1	12.1	9.9	

Carpet installers	47-2041	Line item	40.4	44.4	0.0	0.0	3.9	9.8	3.9
Floor layers, except carpet, wood, and hard tiles	47-2042	Line item	16.3	18.0	0.0	0.0	1.6	10.0	1.6
Floor sanders and finishers	47-2043	Line item	7.3	8.0	0.0	0.0	0.7	9.8	0.7
Tile and marble setters	47-2044	Line item	58.3	64.2	0.0	0.0	5.8	10.0	5.7
Cement masons, concrete finishers, and terrazzo workers	47-2050	Summary	182.5	205.5	0.1	0.1	23.0	12.6	22.8
Cement masons and concrete finishers	47-2051	Line item	178.9	201.5	0.1	0.1	22.6	12.6	22.4
Terrazzo workers and finishers	47-2053	Line item	3.6	4.0	0.0	0.0	0.4	12.3	0.4
Construction laborers	47-2061	Line item	1,216.7	1,370.0	0.8	0.8	153.3	12.6	145.7
Construction equipment operators	47-2070	Summary	426.6		0.3	0.3	52.8	12.4	54.0
Paving, surfacing, and tamping equipment operators	47-2071	Line item	51.9		0.0	0.0	6.3	12.1	6.2
Pile-driver operators	47-2072	Line item	3.7	4.2	0.0	0.0	0.5	14.7	0.5
Operating engineers and other construction equipment operators	47-2073	Line item	371.1	417.1	0.2	0.2	45.9	12.4	47.3
Drywall installers, ceiling tile installers, and tapers	47-2080	Summary	143.2	144.7	0.1	0.1	1.5		12.6
Drywall and ceiling tile installers	47-2081	Line item	119.5	120.9	0.1	0.1	1.4		10.5
Tapers	47-2082	Line item	23.7	23.8	0.0	0.0	0.1	0.6	2.1
Electricians	47-2111	Line item	666.9	727.0	0.4	0.4	60.1	9.0	82.1
Glaziers	47-2121	Line item	50.1	55.4	0.0	0.0	5.3	10.6	6.5
Insulation workers	47-2130	Summary	59.5	62.7	0.0	0.0	3.2	5.4	6.6
Insulation workers, floor, ceiling, and wall	47-2131	Line item	30.9	31.4	0.0	0.0	0.4	1.3	3.3
Insulation workers, mechanical	47-2132	Line item	28.6		0.0	0.0	2.8	9.7	3.4
Painters and paperhangers	47-2140	Summary	387.3	411.0	0.2	0.2	23.7	6.1	35.9
Painters, construction and maintenance	47-2141	Line item	381.5		0.2	0.2	23.4	6.1	35.4
Paperhangers	47-2142	Line item	5.7	6.0	0.0	0.0	0.3	5.0	0.5
Pipelayers, plumbers, pipefitters, and steamfitters	47-2150	Summary	524.8		0.3	0.4	83.4	15.9	66.8
Pipelayers	47-2151	Line item	44.1	51.7	0.0	0.0	7.6		5.7
Plumbers, pipefitters, and steamfitters	47-2152	Line item	480.6		0.3	0.3	75.8	15.8	61.1
Plasterers and stucco masons	47-2161	Line item	27.7	28.8	0.0	0.0	1.1	4.0	2.7
Reinforcing iron and rebar workers	47-2171	Line item	20.1	22.5	0.0	0.0	2.4	12.1	2.4
Roofers	47-2181	Line item	146.2	162.7	0.1	0.1	16.5	11.3	16.6
Sheet metal workers	47-2211	Line item	138.9	151.0	0.1	0.1	12.0	8.7	16.2
Structural iron and steel workers	47-2221	Line item	70.2	79.2	0.0	0.0	9.0	12.8	8.7
Solar photovoltaic installers	47-2231	Line item	11.3	23.2	0.0	0.0	11.9	105.3	3.0
Helpers, construction trades	47-3000	Summary	232.7	262.8	0.1	0.2	30.1	12.9	37.4
Helpersbrickmasons, blockmasons, stonemasons, and tile and	0000	- Curring				0.2			0
marble setters	47-3011	Line item	24.1	27.0	0.0	0.0	2.9	12.1	3.8
Helperscarpenters	47-3012	Line item	36.7	41.4	0.0	0.0	4.7	12.8	5.9
Helperselectricians	47-3013	Line item	73.2	80.9	0.0	0.0	7.7	10.6	11.5
Helperspainters, paperhangers, plasterers, and stucco masons	47-3014	Line item	10.9	11.4	0.0	0.0	0.5	4.1	1.6
Helperspipelayers, plumbers, pipefitters, and steamfitters	47-3015	Line item	55.5	65.8	0.0	0.0	10.3	18.6	9.5
Helpersroofers	47-3016	Line item	10.2	11.5	0.0	0.0	1.3	12.4	1.6
Helpers, construction trades, all other	47-3019	Line item	22.1	24.8	0.0	0.0	2.7	12.1	3.5
Other construction and related workers	47-4000	Summary	435.8		0.3	0.3	44.6		53.2
Construction and building inspectors	47-4011	Line item	105.1	115.6		0.1	10.5		12.7
Elevator installers and repairers	47-4021	Line item	22.1	24.8	0.0	0.0	2.7	12.1	3.0
Fence erectors	47-4031	Line item	25.1	28.0	0.0	0.0	2.8		3.2
Hazardous materials removal workers	47-4041	Line item	46.2		0.0	0.0	7.9		6.7
Highway maintenance workers	47-4051	Line item	149.9		0.1	0.1	10.3		16.5
Rail-track laying and maintenance equipment operators	47-4061	Line item	14.0		0.0	0.0	1.2		1.5
Septic tank servicers and sewer pipe cleaners	47-4071	Line item	28.5		0.0	0.0	4.8		4.3
Miscellaneous construction and related workers	47-4090	Summary	44.8		0.0	0.0	4.5		5.3
Segmental pavers	47-4091	Line item	2.1	2.4	0.0	0.0	0.3		0.3
Construction and related workers, all other	47-4099	Line item	42.7	46.9	0.0	0.0	4.2	9.9	5.1
Extraction workers	47-5000	Summary	194.4		0.1	0.1	36.0		28.6
Derrick, rotary drill, and service unit operators, oil, gas, and mining	47-5010	Summary	69.2	85.8		0.1	16.6		

Daniel ananetone all and acc	147 5044	II : :	44.4	40.0	0.0	0.0	0.0	05.7	4.6
Derrick operators, oil and gas	47-5011	Line item	11.1	13.9	0.0	0.0	2.8	25.7	
Rotary drill operators, oil and gas	47-5012	Line item	16.7	20.8	0.0	0.0	4.0	24.2	
Service unit operators, oil, gas, and mining	47-5013	Line item	41.4	51.1	0.0	0.0	9.7	23.4	
Earth drillers, except oil and gas	47-5021	Line item	19.6	23.5	0.0	0.0	3.9	19.7	
Explosives workers, ordnance handling experts, and blasters	47-5031	Line item	6.3	6.8	0.0	0.0	0.5	7.1	
Mining machine operators	47-5040	Summary	20.6	19.9	0.0	0.0	-0.8	-3.7	2.3
Continuous mining machine operators	47-5041	Line item	12.3	11.8	0.0	0.0	-0.5	-3.9	
Mine cutting and channeling machine operators	47-5042	Line item	6.1	5.8	0.0	0.0	-0.3	-4.7	
Mining machine operators, all other	47-5049	Line item	2.2	2.2	0.0	0.0	0.0	0.1	
Rock splitters, quarry	47-5051	Line item	3.7	3.5	0.0	0.0	-0.2	-6.3	0.4
Roof bolters, mining	47-5061	Line item	3.7	3.5	0.0	0.0	-0.2	-5.2	
Roustabouts, oil and gas	47-5071	Line item	50.0	62.3	0.0	0.0	12.2	24.5	8.0
Helpersextraction workers	47-5081	Line item	17.0	20.3	0.0	0.0	3.3	19.7	2.6
Extraction workers, all other	47-5099	Line item	4.2	4.8	0.0	0.0	0.7	15.9	
Installation, maintenance, and repair occupations	49-0000	Summary	5,905.4	6,301.5	3.8	3.8	396.1	6.7	
Supervisors of installation, maintenance, and repair workers	49-1000	Summary	462.2	495.0	0.3	0.3	32.8	7.1	
First-line supervisors of mechanics, installers, and repairers	49-1011	Line item	462.2	495.0	0.3	0.3	32.8	7.1	
Electrical and electronic equipment mechanics, installers, and repairers	49-2000	Summary	628.1	623.0	0.4	0.4	-5.1	-0.8	
Computer, automated teller, and office machine repairers	49-2011	Line item	119.5	118.6	0.1	0.1	-0.8	-0.7	11.4
Radio and telecommunications equipment installers and repairers	49-2020	Summary	252.1	234.9	0.1	0.1	-17.1	-6.8	
Radio, cellular, and tower equipment installers and repairs	49-2020	Line item	14.5	15.3	0.2	0.0	0.8	5.5	
Telecommunications equipment installers and repairers, except line	49-2021	Line item	14.5	13.3	0.0	0.0	0.0	5.5	1.0
installers	40 2022	l in a itam	227.6	210.6	0.2	0.1	17.0	7.6	21.0
	49-2022	Line item	237.6	219.6	0.2	0.1	-17.9	-7.6	21.9
Miscellaneous electrical and electronic equipment mechanics,	40.0000	0	050.5	000.4	0.0	0.0	40.0	5 0	00.4
installers, and repairers	49-2090	Summary	256.5	269.4	0.2	0.2	12.9	5.0	
Avionics technicians	49-2091	Line item	17.5	18.6	0.0	0.0	1.1	6.0	
Electric motor, power tool, and related repairers	49-2092	Line item	17.3	18.6	0.0	0.0	1.2	7.0	
Electrical and electronics installers and repairers, transportation	49-2093	Line item	13.9	14.3	0.0	0.0	0.4	2.9	
Electrical and electronics repairers, commercial and industrial	49-2094	Line item	68.3	69.9	0.0	0.0	1.6	2.4	
Electrical and electronics repairers, powerhouse, substation, and	49-2095	Line item	23.4	24.3	0.0	0.0	0.9	3.7	
Electronic equipment installers and repairers, motor vehicles	49-2096	Line item	12.1	9.0	0.0	0.0	-3.0	-25.2	
Electronic home entertainment equipment installers and repairers	49-2097	Line item	31.7	32.1	0.0	0.0	0.4	1.2	
Security and fire alarm systems installers	49-2098	Line item	72.3	82.6	0.0	0.0	10.4	14.4	
Vehicle and mobile equipment mechanics, installers, and repairers	49-3000	Summary	1,750.2	1,869.7	1.1	1.1	119.5	6.8	
Aircraft mechanics and service technicians	49-3011	Line item	132.0	138.4	0.1	0.1	6.4	4.9	
Automotive technicians and repairers	49-3020	Summary	930.0	992.7	0.6	0.6	62.8	6.7	
Automotive body and related repairers	49-3021	Line item	160.4	174.3	0.1	0.1	13.9	8.7	
Automotive glass installers and repairers	49-3022	Line item	19.6	20.9	0.0	0.0	1.3	6.6	
Automotive service technicians and mechanics	49-3023	Line item	749.9	797.5	0.5	0.5	47.6	6.3	75.9
Bus and truck mechanics and diesel engine specialists	49-3031	Line item	278.8	305.3	0.2	0.2	26.5	9.5	28.3
Heavy vehicle and mobile equipment service technicians and	49-3040	Summary	192.1	206.8	0.1	0.1	14.7	7.7	20.2
Farm equipment mechanics and service technicians	49-3041	Line item	42.5	45.6	0.0	0.0	3.2	7.4	4.5
Mobile heavy equipment mechanics, except engines	49-3042	Line item	127.4	137.8	0.1	0.1	10.4	8.2	13.5
Rail car repairers	49-3043	Line item	22.3	23.4	0.0	0.0	1.1	5.1	
Small engine mechanics	49-3050	Summary	79.3	84.0	0.1	0.1	4.7	5.9	
Motorboat mechanics and service technicians	49-3051	Line item	23.4	23.5	0.0	0.0	0.1	0.6	
Motorcycle mechanics	49-3052	Line item	18.3	18.6	0.0	0.0	0.3	1.4	
Outdoor power equipment and other small engine mechanics	49-3053	Line item	37.6		0.0	0.0	4.3	11.4	
Miscellaneous vehicle and mobile equipment mechanics, installers,	10 0000	Zii lo itoii i	07.0	11.0	0.0	0.0	1.0		
and repairers	49-3090	Summary	138.0	142.4	0.1	0.1	4.4	3.2	17.7
Bicycle repairers	49-3091	Line item	12.4	16.1	0.0	0.0	3.7	29.4	
Recreational vehicle service technicians	49-3091	Line item	13.8		0.0	0.0	-0.1	-1.1	
								0.8	
Tire repairers and changers	49-3093	Line item	111.7	112.6	0.1	0.1	0.9		
Other installation, maintenance, and repair occupations	49-9000	Summary	3,065.0	3,313.8	2.0	2.0	248.9	8.1	326.3

Control and valve installers and repairers	49-9010	Summary	67.3	71.7	0.0	0.0	4.4	6.6	5.6
Mechanical door repairers	49-9011	Line item	20.4	22.5	0.0	0.0	2.1	10.4	1.8
Control and valve installers and repairers, except mechanical door	49-9012	Line item	46.9	49.2	0.0	0.0	2.3	5.0	3.8
Heating, air conditioning, and refrigeration mechanics and installers	49-9021	Line item	332.9		0.2	0.2	49.1	14.7	38.7
Home appliance repairers	49-9031	Line item	46.6		0.0	0.0	-0.4	-0.9	4.2
Industrial machinery installation, repair, and maintenance workers	49-9040	Summary	477.7	510.0	0.3	0.3	32.3	6.8	46.9
Industrial machinery mechanics	49-9041	Line item	346.9	370.4	0.2	0.2	23.5	6.8	33.0
Maintenance workers, machinery	49-9043	Line item	89.7	94.7	0.1	0.1	5.0	5.6	9.8
Millwrights	49-9044	Line item	39.5	43.4	0.0	0.0	3.9	9.8	4.0
Refractory materials repairers, except brickmasons	49-9045	Line item	1.6		0.0	0.0	-0.1	-3.5	0.1
Line installers and repairers	49-9050	Summary	227.0		0.1	0.1	18.5	8.1	22.4
Electrical power-line installers and repairers	49-9051	Line item	120.9	137.7	0.1	0.1	16.8	13.9	11.7
Telecommunications line installers and repairers	49-9052	Line item	106.1	107.8	0.1	0.1	1.7	1.6	10.7
Precision instrument and equipment repairers	49-9060	Summary	73.8		0.0	0.0	2.7	3.7	6.7
Camera and photographic equipment repairers	49-9061	Line item	4.0		0.0	0.0	0.1	3.3	0.4
Medical equipment repairers	49-9062	Line item	47.1	49.6	0.0	0.0	2.5	5.3	4.4
Musical instrument repairers and tuners	49-9063	Line item	8.3	8.5	0.0	0.0	0.2	2.3	0.7
Watch repairers	49-9064	Line item	1.8		0.0	0.0	-0.5	-28.7	0.1
Precision instrument and equipment repairers, all other	49-9069	Line item	12.6		0.0	0.0	0.4	2.9	1.1
Maintenance and repair workers, general								7.9	154.7
Wind turbine service technicians	49-9071	Line item Line item	1,432.6 5.8		0.9	0.9	112.7	96.1	
	49-9081				0.0		5.5		1.4
Miscellaneous installation, maintenance, and repair workers	49-9090	Summary	401.4	425.5	0.3	0.3	24.1	6.0	45.6
Coin, vending, and amusement machine servicers and repairers	49-9091	Line item	36.6		0.0	0.0	-4.6	-12.4	3.3
Commercial divers	49-9092	Line item	4.1	4.5	0.0	0.0	0.4	10.6	0.4
Fabric menders, except garment	49-9093	Line item	0.7	0.6	0.0	0.0	-0.1	-7.6	0.1
Locksmiths and safe repairers	49-9094	Line item	28.7	27.8	0.0	0.0	-0.9	-3.2	2.5
Manufactured building and mobile home installers	49-9095	Line item	4.3		0.0	0.0	-0.4	-8.8	0.3
Riggers	49-9096	Line item	20.9		0.0	0.0	2.1	9.8	2.3
Signal and track switch repairers	49-9097	Line item	10.0	10.1	0.0	0.0	0.1	1.1	1.0
Helpersinstallation, maintenance, and repair workers	49-9098	Line item	120.2	133.5	0.1	0.1	13.3	11.1	17.0
Installation, maintenance, and repair workers, all other	49-9099	Line item	175.8		0.1	0.1	14.1	8.0	18.6
Production occupations	51-0000	Summary	9,356.9	8,971.6	6.0	5.4	-385.3	-4.1	993.8
Supervisors of production workers	51-1000	Summary	621.4	620.9	0.4	0.4	-0.5	-0.1	59.5
First-line supervisors of production and operating workers	51-1011	Line item	621.4	620.9	0.4	0.4	-0.5	-0.1	59.5
Assemblers and fabricators	51-2000	Summary	1,819.3	1,560.2	1.2	0.9	-259.1	-14.2	167.3
Aircraft structure, surfaces, rigging, and systems assemblers	51-2011	Line item	41.8		0.0	0.0	-7.3	-17.4	3.2
Electrical, electronics, and electromechanical assemblers	51-2020	Summary	278.7	220.7	0.2	0.1	-58.0	-20.8	23.2
Coil winders, tapers, and finishers	51-2021	Line item	14.1	11.2	0.0	0.0	-2.9	-20.6	1.2
Electrical and electronic equipment assemblers	51-2022	Line item	218.9	173.6	0.1	0.1	-45.3	-20.7	18.2
Electromechanical equipment assemblers	51-2023	Line item	45.7	36.0	0.0	0.0	-9.7	-21.3	3.8
Engine and other machine assemblers	51-2031	Line item	38.0	31.5	0.0	0.0	-6.5	-17.2	2.8
Structural metal fabricators and fitters	51-2041	Line item	77.0	65.2	0.0	0.0	-11.8	-15.3	6.5
Miscellaneous assemblers and fabricators	51-2090	Summary	1,383.8	1,208.2	0.9	0.7	-175.6	-12.7	131.7
Fiberglass laminators and fabricators	51-2091	Line item	19.7	19.4	0.0	0.0	-0.3	-1.3	2.2
Team assemblers	51-2092	Line item	1,130.9	987.9	0.7	0.6	-143.0	-12.6	
Timing device assemblers and adjusters	51-2093	Line item	0.8		0.0	0.0	-0.2	-19.9	
Assemblers and fabricators, all other	51-2099	Line item	232.4		0.1	0.1	-32.2	-13.8	
Food processing workers	51-3000	Summary	823.0		0.5	0.5	26.9		
Bakers	51-3011	Line item	191.0		0.1	0.1	12.1	6.3	28.7
Butchers and other meat, poultry, and fish processing workers	51-3020	Summary	374.6		0.2	0.2	9.4		
Butchers and meat cutters	51-3021	Line item	135.7	143.4	0.2	0.2	7.7	5.7	17.7
Meat, poultry, and fish cutters and trimmers	51-3022	Line item	156.4	157.7	0.1	0.1	1.2		19.1
Slaughterers and meat packers	51-3022	Line item	82.5			0.0	0.4		10.1
Miscellaneous food processing workers	51-3023	Summary	257.4			0.0	5.4		

Food and tobacco roasting, baking, and drying machine operators		1	ı						
	51-3091	Line item	20.1	20.0	0.0	0.0	-0.1	-0.6	2.3
	51-3091	Line item	153.7	155.8	0.0	0.0	2.1	1.3	21.6
	51-3093	Line item	37.2	38.1	0.0	0.0	1.0	2.6	5.2
	51-3099	Line item	46.4	48.9	0.0	0.0	2.5	5.4	5.5
	51-4000	Summary	1,954.7	1,886.5	1.3	1.1	-68.2	-3.5	192.1
	51-4010	Summary	170.7	176.4	0.1	0.1	5.7	3.3	17.5
	51-4011	Line item	145.7	147.3	0.1	0.1	1.6	1.1	14.5
Computer numerically controlled machine tool programmers, metal	01 4011	Line item	140.7	147.0	0.1	0.1	1.0	1	14.0
	51-4012	Line item	25.1	29.2	0.0	0.0	4.1	16.3	3.1
	51-4020	Summary	120.5	102.1	0.1	0.1	-18.4	-15.3	9.3
Extruding and drawing machine setters, operators, and tenders,	01 4020	Cummary	120.0	102.1	0.1	0.1	10.4	10.0	0.0
	51-4021	Line item	72.3	61.3	0.0	0.0	-11.0	-15.2	5.6
	51-4022	Line item	19.2	15.5	0.0	0.0	-3.7	-19.2	1.4
	51-4023	Line item	29.0	25.3	0.0	0.0	-3.7	-12.9	2.3
	51-4030	Summary	332.4	299.3	0.2	0.2	-33.0	-9.9	30.9
Cutting, punching, and press machine setters, operators, and	01 4000	Cummary	002.4	200.0	0.2	0.2	00.0	0.0	00.0
	51-4031	Line item	192.7	175.9	0.1	0.1	-16.8	-8.7	18.9
Drilling and boring machine tool setters, operators, and tenders,	01 1001	Line item	102.7	170.0	0.1	0.1	10.0	0.1	10.0
	51-4032	Line item	12.3	9.9	0.0	0.0	-2.4	-19.4	0.9
Grinding, lapping, polishing, and buffing machine tool setters,	01 4002	Line item	12.0	0.0	0.0	0.0	2.7	10.4	0.0
	51-4033	Line item	76.2	68.5	0.0	0.0	-7.6	-10.0	6.8
Lathe and turning machine tool setters, operators, and tenders, metal		Line item	70.2	00.0	0.0	0.0	7.0	10.0	0.0
	51-4034	Line item	33.7	30.8	0.0	0.0	-2.8	-8.4	2.9
Milling and planing machine setters, operators, and tenders, metal	01 1001	Line item	00.7	00.0	0.0	0.0	2.0	0.1	2.0
	51-4035	Line item	17.6	14.2	0.0	0.0	-3.4	-19.3	1.3
	51-4041	Line item	396.2	404.6	0.3	0.2	8.5	2.1	40.8
	51-4050	Summary	26.2	22.8	0.0	0.0	-3.4	-13.1	2.0
	51-4051	Line item	17.7	16.3	0.0	0.0	-1.4	-8.1	1.5
	51-4052	Line item	8.4	6.5	0.0	0.0	-2.0	-23.4	0.5
,	51-4060	Summary	9.7	8.4	0.0	0.0	-1.3	-13.3	0.8
	51-4061	Line item	6.3	5.5	0.0	0.0	-0.8	-12.2	0.6
	51-4062	Line item	3.4	2.9	0.0	0.0	-0.5	-15.5	0.3
Molders and molding machine setters, operators, and tenders, metal	01 1002	Line item	0.1	2.0	0.0	0.0	0.0	10.0	0.0
	51-4070	Summary	157.9	133.1	0.1	0.1	-24.8	-15.7	13.9
	51-4071	Line item	12.5	9.5	0.0	0.0	-3.0	-24.0	0.9
Molding, coremaking, and casting machine setters, operators, and	01 4071	Line item	12.0	0.0	0.0	0.0	0.0	27.0	0.0
	51-4072	Line item	145.4	123.6	0.1	0.1	-21.8	-15.0	12.9
Multiple machine tool setters, operators, and tenders, metal and plastic		Line item	117.8	114.7	0.1	0.1	-3.1	-2.6	12.0
	51-4111	Line item	72.5	67.2	0.0	0.0	-5.3	-7.3	6.0
	51-4120	Summary	454.0	471.2	0.3	0.3	17.2	3.8	50.2
	51-4121	Line item	404.8	427.0	0.3	0.3	22.2	5.5	
	51-4122	Line item	49.2	44.2	0.0	0.0	-5.1	-10.3	4.4
	51-4190	Summary	96.7	86.6	0.1	0.1	-10.2	-10.5	8.6
	51-4191	Line item	19.8	17.0	0.0	0.0	-2.8	-14.1	1.7
	51-4192	Line item	9.2	8.5	0.0	0.0	-0.6	-6.8	0.9
Plating and coating machine setters, operators, and tenders, metal	01 4102	Line item	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	51-4193	Line item	35.3	30.4	0.0	0.0	-4.9	-13.8	2.8
	51-4194	Line item	9.5	9.2	0.0	0.0	-0.3	-3.5	1.1
	51-4199	Line item	23.0	21.4	0.0	0.0	-1.5	-6.6	2.2
,	51-5100	Summary	267.3	237.9	0.2	0.0	-29.4	-11.0	25.1
· · · · · · · · · · · · · · · · · · ·	51-5100	Line item	34.6	28.0	0.0	0.0	-6.6		3.0
	51-5111	Line item	178.7	162.0	0.0	0.0	-16.8	-9.4	16.0
	51-5112	Line item	54.0	47.9	0.0	0.0	-6.1	-11.3	6.1
i introducing and inflaming workers	01-0110	LINE KEIII	54.0	41.9	0.0	0.0	-U. I	-11.3	0.1

Textile, apparel, and furnishings workers	51-6000	Summary	654.3	612.0	0.4	0.4	-42.3	-6.5	72.3
Laundry and dry-cleaning workers	51-6011	Line item	220.1	219.3	0.1	0.1	-0.7	-0.3	29.4
Pressers, textile, garment, and related materials	51-6021	Line item	45.0	42.0	0.0	0.0	-3.0		5.2
Sewing machine operators	51-6031	Line item	153.9	132.0	0.1	0.0	-21.9	-14.2	12.8
Shoe and leather workers	51-6040	Summary	14.6	14.1	0.0	0.0	-0.6	-4.0	1.4
Shoe and leather workers and repairers	51-6041	Line item	11.0	10.7	0.0	0.0	-0.3	-2.5	1.0
Shoe machine operators and tenders	51-6042	Line item	3.6	3.3	0.0	0.0	-0.3	-8.5	0.4
Tailors, dressmakers, and sewers	51-6050	Summary	57.7	57.1	0.0	0.0	-0.3	-1.2	7.1
Sewers, hand	51-6051	Line item	13.5	12.9	0.0	0.0	-0.7	-4.0	1.6
Tailors, dressmakers, and custom sewers	51-6052	Line item	44.3	44.1	0.0	0.0	-0.5	-0.3	5.5
Textile machine setters, operators, and tenders	51-6060	Summary	79.3	65.9	0.0	0.0	-13.4	-16.9	7.4
Textile bleaching and dyeing machine operators and tenders	51-6061	Line item	11.3	9.4	0.1	0.0	-13.4	-17.0	1.0
Textile cutting machine setters, operators, and tenders	51-6062	Line item	15.0	12.6	0.0	0.0	-2.4	-17.0	1.6
Textile knitting and weaving machine setters, operators, and tenders			22.2	18.1	0.0	0.0	-2.4 -4.1	-18.3	2.1
	31-0003	Line item	22.2	10.1	0.0	0.0	-4.1	-10.3	2.1
Textile winding, twisting, and drawing out machine setters, operators,	E4 COC4	l in a itam	20.0	25.0	0.0	0.0	F 0	40.0	2.0
and tenders	51-6064	Line item	30.8 83.7	25.8 81.7	0.0	0.0	-5.0 -2.0	-16.3 -2.4	2.6 8.9
Miscellaneous textile, apparel, and furnishings workers	51-6090	Summary	83.7	81.7	0.1	0.0	-2.0	-2.4	8.9
Extruding and forming machine setters, operators, and tenders,	E4 C004	1 : : :	00.0	40.5	0.0	0.0	4 7	0.5	0.4
synthetic and glass fibers	51-6091	Line item	20.2	18.5	0.0	0.0	-1.7	-8.5	2.1
Fabric and apparel patternmakers	51-6092	Line item	5.5	4.7	0.0	0.0	-0.8	-15.0	0.5
Upholsterers	51-6093	Line item	41.6	42.7	0.0	0.0	1.0		4.4
Textile, apparel, and furnishings workers, all other	51-6099	Line item	16.3	15.8	0.0	0.0	-0.5	-3.0	1.9
Woodworkers	51-7000	Summary	279.3	285.1	0.2	0.2	5.9		30.4
Cabinetmakers and bench carpenters	51-7011	Line item	109.3	113.0	0.1	0.1	3.7	3.4	11.7
Furniture finishers	51-7021	Line item	22.4	22.9	0.0	0.0	0.6		2.1
Model makers and patternmakers, wood	51-7030	Summary	3.7	3.8	0.0	0.0	0.1	3.8	0.4
Model makers, wood	51-7031	Line item	1.9	2.0	0.0	0.0	0.1	3.6	0.2
Patternmakers, wood	51-7032	Line item	1.8	1.8	0.0	0.0	0.1	3.9	0.2
Woodworking machine setters, operators, and tenders	51-7040	Summary	131.9	132.8	0.1	0.1	1.0		14.7
Sawing machine setters, operators, and tenders, wood	51-7041	Line item	54.8	55.2	0.0	0.0	0.4	0.8	6.3
Woodworking machine setters, operators, and tenders, except	51-7042	Line item	77.1	77.6	0.0	0.0	0.6	0.7	8.4
Woodworkers, all other	51-7099	Line item	12.1	12.6	0.0	0.0	0.5	4.1	1.4
Plant and system operators	51-8000	Summary	314.0	309.7	0.2	0.2	-4.3	-1.4	27.8
Power plant operators, distributors, and dispatchers	51-8010	Summary	54.7	54.2	0.0	0.0	-0.6	-1.0	4.6
Nuclear power reactor operators	51-8011	Line item	7.0	6.3	0.0	0.0	-0.7	-10.2	0.5
Power distributors and dispatchers	51-8012	Line item	11.6	11.3	0.0	0.0	-0.3	-2.5	1.0
Power plant operators	51-8013	Line item	36.1	36.5	0.0	0.0	0.5	1.3	3.2
Stationary engineers and boiler operators	51-8021	Line item	35.7	37.4	0.0	0.0	1.7	4.8	3.9
Water and wastewater treatment plant and system operators	51-8031	Line item	119.2	115.4	0.1	0.1	-3.8		9.2
Miscellaneous plant and system operators	51-8090	Summary	104.4	102.7	0.1	0.1	-1.7	-1.6	10.0
Chemical plant and system operators	51-8091	Line item	33.2	30.1	0.0	0.0	-3.1	-9.2	2.8
Gas plant operators	51-8092	Line item	17.3	17.3	0.0	0.0	0.0		1.7
	51-8093	Line item	41.8		0.0	0.0	1.2		4.3
Plant and system operators, all other	51-8099	Line item	12.1	12.4	0.0	0.0	0.2	1.9	1.2
Other production occupations	51-9000	Summary	2,623.7	2,609.5	1.7	1.6	-14.2	-0.5	309.2
Chemical processing machine setters, operators, and tenders	51-9010	Summary	121.3	117.7	0.1	0.1	-3.5	-2.9	12.3
Chemical equipment operators and tenders	51-9011	Line item	74.1	70.4	0.0	0.0	-3.6	-4.9	7.3
Separating, filtering, clarifying, precipitating, and still machine					T			<u>-</u>	
setters, operators, and tenders	51-9012	Line item	47.2	47.3	0.0	0.0	0.1	0.2	5.0
Crushing, grinding, polishing, mixing, and blending workers	51-9020	Summary	187.7	176.2	0.1	0.1	-11.5	-6.1	19.0
Crushing, grinding, and polishing machine setters, operators, and	51-9021	Line item	30.2	28.2	0.0	0.0	-2.0	-6.7	3.0
Grinding and polishing workers, hand	51-9022	Line item	26.6		0.0	0.0	-5.4		2.1
Mixing and blending machine setters, operators, and tenders	51-9023	Line item	131.0		0.1	0.1	-4.1	-3.1	13.9
Cutting workers	51-9030	Summary	78.3		0.1	0.0	-4.0		8.2

Cutters and trimmers, hand	51-9031	Line item	14.7	13.2	0.0	0.0	-1.5	-10.0	1 1
	51-9031					0.0	-1.5	-3.9	1.4
Cutting and slicing machine setters, operators, and tenders	51-9032	Line item	63.6	61.1	0.0	0.0	-2.5	-3.9	6.8
Extruding, forming, pressing, and compacting machine setters,	E1 0041	l in a itam	71.4	67 F	0.0	0.0	2.0	E 1	7.0
operators, and tenders Furnace, kiln, oven, drier, and kettle operators and tenders	51-9041 51-9051	Line item Line item	71.4 21.9	67.5 20.8	0.0	0.0	-3.8 -1.1	-5.4 -5.0	7.9 2.0
Inspectors, testers, sorters, samplers, and weighers	51-9061	Line item	520.7	465.2	0.0	0.0	-55.5	-10.7	52.7
Jewelers and precious stone and metal workers	51-9001	Line item	37.7	36.5	0.0	0.0	-1.2	-3.1	3.7
Medical, dental, and ophthalmic laboratory technicians	51-9071		82.2	93.2	0.0	0.0	11.0	13.4	10.7
	51-9080	Summary	38.1	43.7	0.0	0.0	5.5	14.5	5.0
Dental laboratory technicians Medical appliance technicians	51-9082	Line item Line item	15.0	17.0	0.0	0.0	2.0	13.7	2.0
Ophthalmic laboratory technicians	51-9082	Line item	29.1	32.5	0.0	0.0	3.5		3.7
			383.0	389.7	0.0	0.0	6.7	11.9 1.7	44.6
Packaging and filling machine operators and tenders	51-9111	Line item						2.6	
Painting workers	51-9120	Summary	164.2	168.6	0.1	0.1	4.3		17.6
Coating, painting, and spraying machine setters, operators, and	51-9121	Line item	89.9	90.1	0.1	0.1	0.2	0.2	9.3
Painters, transportation equipment	51-9122	Line item	58.1	62.0	0.0	0.0	4.0	6.9	6.6
Painting, coating, and decorating workers	51-9123	Line item	16.3	16.5	0.0	0.0	0.2	1.1	1.7
Semiconductor processors	51-9141	Line item	25.5	24.2	0.0	0.0	-1.3	-5.1	2.7
Photographic process workers and processing machine operators	51-9151	Line item	26.9	21.9	0.0	0.0	-4.9	-18.4	3.3
Miscellaneous production workers	51-9190	Summary	902.8	953.4	0.6	0.6	50.6	5.6	124.5
Adhesive bonding machine operators and tenders	51-9191	Line item	17.0	16.6		0.0	-0.5	-2.7	1.8
Cleaning, washing, and metal pickling equipment operators and	51-9192	Line item	17.2	17.3	0.0	0.0	0.1	0.4	2.2
Cooling and freezing equipment operators and tenders	51-9193	Line item	8.7	8.8	0.0	0.0	0.2	1.9	1.0
Etchers and engravers	51-9194	Line item	10.6	10.7	0.0	0.0	0.1	1.0	1.3
Molders, shapers, and casters, except metal and plastic	51-9195	Line item	43.0	42.5	0.0	0.0	-0.4	-1.0	4.2
Paper goods machine setters, operators, and tenders	51-9196	Line item	94.6	86.1	0.1	0.1	-8.5	-9.0	8.3
Tire builders	51-9197	Line item	22.3	19.6	0.0	0.0	-2.7	-12.1	2.1
Helpersproduction workers	51-9198	Line item	426.0	475.5	0.3	0.3	49.5	11.6	72.0
Production workers, all other	51-9199	Line item	263.5	276.3	0.2	0.2	12.8	4.9	31.6
Transportation and material moving occupations	53-0000	Summary	10,274.2	10,918.1	6.6	6.5	643.9	6.3	1,334.8
Supervisors of transportation and material moving workers	53-1000	Summary	396.2	425.9	0.3	0.3	29.7	7.5	44.4
Aircraft cargo handling supervisors	53-1011	Line item	7.6	8.1	0.0	0.0	0.5	5.9	0.8
First-line supervisors of helpers, laborers, and material movers, hand	53-1021	Line item	184.4	200.1	0.1	0.1	15.7	8.5	21.0
First-line supervisors of transportation and material-moving machine									
and vehicle operators	53-1031	Line item	204.2	217.7	0.1	0.1	13.6	6.6	22.6
Air transportation workers	53-2000	Summary	275.3	293.2	0.2	0.2	18.0	6.5	29.6
Aircraft pilots and flight engineers	53-2010	Summary	124.8	129.2	0.1	0.1	4.4	3.5	12.1
Airline pilots, copilots, and flight engineers	53-2011	Line item	84.0	86.9	0.1	0.1	2.9	3.4	8.1
Commercial pilots	53-2012	Line item	40.8	42.3	0.0	0.0	1.5	3.8	4.0
Air traffic controllers and airfield operations specialists	53-2020	Summary	33.8	35.5	0.0	0.0	1.6	4.9	3.3
Air traffic controllers	53-2021	Line item	24.9	25.8	0.0	0.0	0.9	3.5	2.4
Airfield operations specialists	53-2022	Line item	8.9	9.7	0.0	0.0	0.8	8.8	0.9
Flight attendants	53-2031	Line item	116.6	128.5		0.1	11.9	10.2	14.2
Motor vehicle operators	53-3000	Summary	4,358.9	4,598.8		2.7	239.9	5.5	508.1
Ambulance drivers and attendants, except emergency medical	53-3011	Line item	17.3	21.1	0.0	0.0	3.8	21.9	3.1
Bus drivers	53-3020	Summary	687.2	729.6	0.4	0.4	42.5	6.2	88.7
Bus drivers, transit and intercity	53-3021	Line item	179.3	195.1	0.1	0.1	15.9	8.8	23.9
Bus drivers, school or special client	53-3022	Line item	507.9	534.5	0.3	0.3	26.6	5.2	64.8
Driver/sales workers and truck drivers	53-3030	Summary	3,293.1	3,466.2	2.1	2.1	173.1	5.3	372.9
Driver/sales workers	53-3031	Line item	467.9	462.4	0.3	0.3	-5.5	-1.2	48.4
Heavy and tractor-trailer truck drivers	53-3032	Line item	1,871.7	1,985.5	1.2	1.2	113.8	6.1	214.3
Light truck or delivery services drivers	53-3033	Line item	953.5	1,018.3	0.6	0.6	64.8	6.8	110.2
Taxi drivers and chauffeurs	53-3041	Line item	305.1	319.9	0.2	0.2	14.7	4.8	32.7
Motor vehicle operators, all other	53-3099	Line item	56.2	62.0	0.0	0.0	5.8	10.3	10.7
Rail transportation workers	53-4000	Summary	122.9	120.6	0.1	0.1	-2.3	-1.9	10.4

Locomotive engineers and operators	53-4010	Summary	44.4	42.5	0.0	0.0	-1.8	-4.1	3.3
Locomotive engineers	53-4011	Line item	38.8	37.7	0.0	0.0	-1.1	-2.8	3.0
Locomotive firers	53-4012	Line item	1.2	0.3	0.0	0.0	-0.9	-78.6	0.0
Rail yard engineers, dinkey operators, and hostlers	53-4013	Line item	4.4	4.6	0.0	0.0	0.2	3.7	0.4
Railroad brake, signal, and switch operators	53-4021	Line item	19.3	19.0	0.0	0.0	-0.3	-1.6	1.7
Railroad conductors and yardmasters	53-4031	Line item	41.8	41.0	0.0	0.0	-0.9	-2.1	3.7
Subway and streetcar operators	53-4041	Line item	12.8	13.4	0.0	0.0	0.5	4.1	1.3
Rail transportation workers, all other	53-4099	Line item	4.6	4.8	0.0	0.0	0.1	3.2	0.4
Water transportation workers	53-5000	Summary	86.3	93.2	0.1	0.1	6.9	8.0	10.5
Sailors and marine oilers	53-5011	Line item	33.8	36.4	0.0	0.0	2.6		4.4
Ship and boat captains and operators	53-5020	Summary	42.4	46.1	0.0	0.0	3.7	8.7	4.8
Captains, mates, and pilots of water vessels	53-5021	Line item	38.8	42.2	0.0	0.0	3.4	8.8	4.4
Motorboat operators	53-5022	Line item	3.6	3.9	0.0	0.0	0.3	7.6	0.4
Ship engineers	53-5031	Line item	10.1	10.8	0.0	0.0	0.7	6.5	1.3
Other transportation workers	53-6000	Summary	356.5	384.4	0.2	0.2	27.9	7.8	55.4
Bridge and lock tenders	53-6011	Line item	3.7	3.8	0.0	0.0	0.2	4.9	0.4
Parking lot attendants	53-6021	Line item	151.6	160.6	0.1	0.1	9.0	6.0	23.8
Automotive and watercraft service attendants	53-6031	Line item	110.0	121.7	0.1	0.1	11.7	10.6	20.0
Traffic technicians	53-6041	Line item	6.6	7.2	0.0	0.0	0.6	9.1	0.8
Transportation inspectors	53-6051	Line item	28.2	29.8	0.0	0.0	1.7	5.9	2.9
Transportation attendants, except flight attendants	53-6061	Line item	18.5	20.0	0.0	0.0	1.6		2.7
Transportation workers, all other	53-6099	Line item	38.0	41.2	0.0	0.0	3.1	8.3	4.8
Material moving workers	53-7000	Summary	4,678.0	5,001.9	3.0	3.0	323.9	6.9	676.3
Conveyor operators and tenders	53-7011	Line item	28.1	27.7	0.0	0.0	-0.3	-1.2	3.7
Crane and tower operators	53-7021	Line item	46.0	50.0	0.0	0.0	4.0	8.6	5.3
Dredge, excavating, and loading machine operators	53-7030	Summary	55.1	59.3	0.0	0.0	4.3	7.8	6.6
Dredge operators	53-7031	Line item	1.8	1.9	0.0	0.0	0.1	5.3	0.2
Excavating and loading machine and dragline operators	53-7032	Line item	50.6	54.9	0.0	0.0	4.3	8.4	6.1
Loading machine operators, underground mining	53-7033	Line item	2.6	2.5	0.0	0.0	-0.1	-3.2	0.3
Hoist and winch operators	53-7041	Line item	2.9	2.9	0.0	0.0	0.0	-0.7	0.4
Industrial truck and tractor operators	53-7051	Line item	549.9	586.1	0.4	0.3	36.2	6.6	65.9
Laborers and material movers, hand	53-7060	Summary	3,796.0	4,051.3	2.4	2.4	255.3	6.7	566.9
Cleaners of vehicles and equipment	53-7061	Line item	369.2	409.1	0.2	0.2	39.9	10.8	57.8
Laborers and freight, stock, and material movers, hand	53-7062	Line item	2,628.4	2,829.2	1.7	1.7	200.8	7.6	388.6
Machine feeders and offbearers	53-7063	Line item	87.7	89.3	0.1	0.1	1.6	1.8	12.0
Packers and packagers, hand	53-7064	Line item	710.8	723.8	0.5	0.4	13.0	1.8	108.4
Pumping station operators	53-7070	Summary	27.3	31.6	0.0	0.0	4.3	15.6	3.9
Gas compressor and gas pumping station operators	53-7071	Line item	3.9	4.0	0.0	0.0	0.1	3.3	0.5
Pump operators, except wellhead pumpers	53-7072	Line item	11.9	13.5	0.0	0.0	1.6	13.8	1.7
Wellhead pumpers	53-7073	Line item	11.5	14.0	0.0	0.0	2.5	21.7	1.8
Refuse and recyclable material collectors	53-7081	Line item	136.0	153.6	0.1	0.1	17.7	13.0	18.9
Mine shuttle car operators	53-7111	Line item	1.5	1.2	0.0	0.0	-0.3	-21.9	0.1
Tank car, truck, and ship loaders	53-7121	Line item	10.8	11.4	0.0	0.0	0.6	5.2	1.4
Material moving workers, all other	53-7199	Line item	24.4	26.7	0.0	0.0	2.3	9.3	3.2

Source: Employment Projections program, U.S. Bureau of Labor Statistics