

Educational Attainment

of People Working in the
District of Columbia by Occupation



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Table of Contents

INTRODUCTION	2
DEFINITIONS AND CONCEPTS	2
ASC-SOC	2
ASC-SOC Occupations Title	2
Survey Observations	2
Employment	2
Educational Attainment	2-3
POSSIBLE USES OF DATA ON EDUCATIONAL ATTAINMENT BY OCCUPATION	4-6
CONCLUSION	6
EDUCATIONAL ATTAINMENT TABLES	7- 43
Table 1: Educational attainment of people working in District of Columbia by detailed occupation, 2010-2011	7-23
Table 2: Educational attainment of people working in District of Columbia by detailed occupation, 2005-2009	24-41
Table 3: Educational attainment of people working in District of Columbia by major occupational group, 2010-2011	42
Table 4: Educational attainment of people working in District of Columbia by major occupational group, 2005-2009	43

INTRODUCTION

The goal of this report is to provide information about the distribution of educational attainment of people working in the District of Columbia by occupation. The information is presented in four tables. Table 1 and Table 2 show data on educational attainment by *detailed occupation* for 2010-2011 and 2005-2009, respectively. Table 3 and Table 4 present more aggregate data on educational attainment by *major occupational group* for the same two time periods. The source of all data is taken from the American Community Survey (ACS) micro files.¹ The ACS is an annual statistical survey conducted by the U.S. Census Bureau.²

DEFINITIONS AND CONCEPTS

All Tables have a very similar organizational structure and include the following columns:

ACS SOC – The ACS version of the Standard Occupational Classification (SOC) code for a given occupation. Detailed occupations in Table 1 and Table 2 are typically described by full six-digit SOC codes, while major occupational groups in Table 3 and Table 4 are described by the first two digits of the full code followed by four zeros. By definition, major occupational groups bring together related detailed occupations.³

ACS SOC Occupational Title – Occupation titles for *detailed occupations* in Table 1 and Table 2, and occupation titles for *major occupational group* in Table 3 and Table 4 associated with the ACS SOC code.

Survey Observations – The total number of ACS survey observations used to produce the estimates for a given occupation. These numbers are the two-year totals for 2010-2011 in Table 1 and Table 3 and the five-year totals for 2005-2009 in Table 2 and Table 4.

Employment – The estimated number of people working in a given occupation in the District of Columbia. These numbers are the two-year averages for 2010-2011 in Table 1 and Table 3 and the five-year averages for 2005-2009 in Table 2 and Table 4.

¹ Specifically, we use the Integrated Public Use Microdata Series (also known as IPUMS-USA) produced by the University of Minnesota. For more information about this data, see <https://usa.ipums.org/usa/>.

² More information about the American Community Survey can be found at <http://www.census.gov/acs/www/>.

³ The official Standard Occupational Classification system is produced by the Bureau of Labor Statistics (BLS). See <http://www.bls.gov/soc/> for more information. Please note, however, that for some detailed occupations, the ACS SOC codes and occupational titles are somewhat different from their official BLS counterparts. In particular, detailed occupations with ACS SOC codes that end in X or zero usually combine several detailed occupations defined by the BLS.

Educational Attainment – The estimated number of people in a given occupation, as a percentage of all people working in that occupation in the District of Columbia, that attained each of the following levels of education:

- 1) Less than high school diploma
- 2) High school diploma or equivalent
- 3) Less than one year of college, no degree
- 4) One or more years of college, no degree
- 5) Associate's degree
- 6) Bachelor's degree
- 7) Master's degree
- 8) Professional degree
- 9) Doctoral degree

It should be emphasized that the percentages shown in the nine educational-attainment columns count workers according to *the highest level of education* that they attained. Therefore, these percentages total 100 percent for each occupation (subject to rounding). To calculate the sum total of the percent of workers in a particular occupation that attained *at least a certain level of education*, add the percentages for the particular level of education attained and the higher levels of education. For example, the percent of workers that attained at a least a bachelor's degree can be computed by adding together the percent of workers with a bachelor's degree, a master's degree, a professional degree, and a doctoral degree.

Please note that the percentages shown in the nine educational-attainment columns represent *statistical estimates* derived from the ACS survey sample. The reliability of these estimates for a particular occupation depends on the number of survey observations for that occupation. And for some occupations (especially for some detailed occupations in Table 1 and Table 2), this number can be small. Therefore, when using the data presented in this report, look at the number shown in the *Survey Observations* column to search a specific occupation of interest. And, if this number is smaller than 10 (or smaller than 20 to be more conservative), the educational-attainment estimates should be used with caution.

For most occupations, the 2005-2009 estimates in Table 2 and Table 4 are based on a larger number of survey observations and, hence, tend to be statistically more reliable than the more recent 2010-2011 estimates in Table 1 and Table 3. This is because the former estimates use five years of data, while the latter estimates use only two years of data. In any case, one should always compare the 2005-2009 and the 2010-2011 estimates for a specific occupation of interest and verify that the patterns of educational attainment in the two periods are broadly consistent.⁴

⁴ Some detailed occupations have different ACS SOC codes and occupational titles in 2010-2011 than in 2005-2009. Yet, even in these cases, it is usually possible to identify closely related occupations and compare patterns of educational attainment across the two periods.

POSSIBLE USES OF DATA ON EDUCATIONAL ATTAINMENT BY OCCUPATION

This section provides some examples on how the information provided in this report can be used by job seekers, employers, and training providers. These examples are meant to be illustrative rather than exhaustive. In all the examples, it is assumed that the workers in question have average work experience and talent so that their level of education is (or should be) the primary determinant of their career choice and work productivity.⁵

Example 1

Michael lives in the District of Columbia and does not have a high school diploma. He is currently unemployed and is looking to work as a bartender in one of the District's bars.

Table 1 and Table 2 indicate that less than 5 percent of all bartenders (ACS SOC = 353011) working in the District of Columbia lack a high school diploma. This suggests that Michael's chances of finding a job as a bartender may be slim. Michael may want to reconsider his career choice, at least until he earns a high school diploma (or equivalent).

Example 2

Rebecca lives in the District of Columbia. She has a high school diploma but has never attended college. Rebecca is looking to work as a secretary or administrative assistant and has recently received several job offers with a pay of \$19 per hour. However, Rebecca decided to decline all of these offers because she wants to be paid at least \$24 per hour, which she knows is the average and the median wage for secretaries and administrative assistants working in the District.⁶

Table 1 and Table 2 show that only between 21 and 28 percent of all secretaries and administrative assistants (ACS SOC = 436010) working in the District of Columbia have a high school diploma or less, while the remaining 72 to 79 percent have more education. Therefore, it may not be surprising that Rebecca is offered a lower-than-average hourly pay. In fact, \$19 per hour is close to the 25th percentile of the distribution of wages for secretaries and administrative assistants working in the District.⁷ Thus, given Rebecca's level of education, the wage that she was offered seems to be quite fair. Rebecca may want to reconsider her earlier decision and accept one of the job offers that she declined.

⁵ In some examples, data on educational attainment by occupation presented in this report is used in conjunction with data on occupational wages produced by the Occupational Employment Statistics (OES) program of the Bureau of Labor Statistics. The most recent OES data for the District of Columbia can be found at http://www.bls.gov/oes/current/oes_dc.htm.

⁶ Median (50th percentile) wage for a given occupation is the boundary between the highest paid 50 percent and the lowest paid 50 percent of workers in that occupation. Half of the workers in a given occupation earn more than the median wage and half of the workers earn less than the median wage.

⁷ 25th percentile wage for a given occupation is the boundary between the highest paid 75 percent and the lowest paid 25 percent of workers in that occupation.

Example 3

Supply & Demand is an economic think tank located in the District. Most economists working in Supply & Demand have bachelor's degrees. The president of Supply & Demand is concerned that the analytical publications produced by Supply & Demand are of lower quality than those produced by other think tanks in the District.

Table 1 and Table 2 show that approximately 85 percent of all economists (ACS SOC = 193011) working in the District of Columbia have more than a bachelor's degree. In fact, about 40 percent of the District's economists have doctoral degrees and another 40 percent have master's degrees. This suggests that the relatively low quality of Supply & Demand's publications may be a result of the insufficient level of education of its economists. Therefore, to correct the problem, the president of Supply & Demand should consider hiring several master- or PhD-level economists.

Example 4

Happy Toddler is a childcare center in the District of Columbia. To sustain the high quality of services that it provides, Happy Toddler has a policy of only hiring childcare workers that have bachelor's degrees. Happy Toddler pays all of its childcare workers \$14 per hour, which is the average and the median wage earned by childcare workers in the District. The owner of Happy Toddler is concerned about the high rate of turnover among the center's childcare workers, many of whom quit only several months after being hired.

Table 1 and Table 2 show that only between 18 percent (in 2005-2009) and 31 percent (in 2010-2011) of childcare workers (ACS SOC = 399011) in the District of Columbia have a bachelor's degree (or above). Therefore, it may not be surprising that Happy Toddler struggles to retain its well-educated employees by paying them the District's average (and median) wage for childcare workers. To solve the high-turnover problem, the owner of Happy Toddler should consider raising the wage of its childcare workers at least to the 75th percentile of the distribution of wages for childcare workers in the District, which happens to be around \$17.50 per hour.⁸

Example 5

Learn & Work is an educational institution that provides occupational training to District residents. The president of Learn & Work would like to open a new associate degree program to prepare workers in one of two occupations: logisticians (ACS SOC= 131081) or operations research analysts (ACS SOC = 152031). Both occupations pay relatively high (and similar) wages and are projected to have faster-than-average growth in the next 10 years. So which program should the president select?

⁸ 75th percentile wage for a given occupation is the boundary between the highest paid 25 percent and the lowest paid 75 percent of workers in that occupation.

Table 1 and Table 2 indicate that only about 15 percent of all operations research analysts working in the District of Columbia have less than a bachelor's degree (and only about 2 percent of them have an associate degree). In contrast, as many as 34 percent of all logisticians working in the District have less than a bachelor's degree (and 6 to 7 percent of them have an associate's degree). This suggests that the graduates of Learn & Work will have better chances of finding a job with an associate's degree in logistics than with an associate's degree in operations research analysis. Therefore, the president of Learn & Work should probably choose the former type of program over the latter.

CONCLUSION

Educational Attainment of People Working in the District of Columbia presents data on educational attainment of people working in the District of Columbia by detailed occupation and by major occupational group from the years 2010-2011 and 2005-2009. The report describes the organizational structure of the data tables and provides some guidance and examples on how to interpret the data. In addition, the report illustrates how the information provided can be used by job seekers, employers, and training providers.

EDUCATIONAL ATTAINMENT TABLES

Table 1: Educational Attainment of People Working in District of Columbia by Detailed Occupation, 2010-2011

ACS SOC ACS SOC Occupational title		Survey obser- vations	Employ- ment	Educational Attainment								
				Less than high school diploma	High school diploma or equivalent	Less than 1 year of college, no degree	1 or more years of college, no degree	Associate degree	Bachelor's degree	Master's degree	Professional degree	Doctoral degree
Management Occupations												
111021	General and Operations Managers	156	7,648	2.1%	7.9%	1.4%	10.3%	3.6%	34.0%	31.3%	5.9%	3.5%
1110XX	Chief Executives and Legislators	200	8,019	0.8%	3.4%	1.6%	4.6%	0.4%	36.9%	30.6%	12.4%	9.3%
112011	Advertising and Promotions Managers	12	548	0.0%	10.0%	0.0%	0.0%	0.0%	52.3%	37.7%	0.0%	0.0%
112020	Marketing and Sales Managers	66	3,441	1.0%	2.4%	0.0%	5.5%	3.8%	58.5%	24.2%	0.8%	3.8%
112031	Public Relations and Fundraising Managers	43	1,642	0.0%	0.0%	0.0%	2.2%	3.0%	53.7%	23.1%	14.3%	3.7%
113011	Administrative Services Managers	31	1,589	0.0%	16.5%	2.1%	24.0%	8.8%	26.6%	16.0%	0.0%	6.1%
113021	Computer and Information Systems Managers	148	7,936	0.0%	1.9%	3.7%	8.1%	4.1%	44.4%	36.2%	1.3%	0.3%
113031	Financial Managers	177	8,601	1.4%	3.3%	3.7%	9.1%	2.5%	34.9%	38.9%	3.5%	2.7%
113051	Industrial Production Managers	5	216	0.0%	0.0%	0.0%	51.6%	13.7%	23.8%	10.9%	0.0%	0.0%
113061	Purchasing Managers	65	2,962	0.0%	0.0%	0.0%	3.8%	4.1%	50.8%	34.4%	6.9%	0.0%
113071	Transportation, Storage, and Distribution Managers	16	796	0.0%	7.3%	0.0%	17.0%	18.7%	25.7%	31.2%	0.0%	0.0%
113111	Compensation and Benefits Managers	3	156	0.0%	22.4%	0.0%	0.0%	0.0%	0.0%	77.6%	0.0%	0.0%
113121	Human Resources Managers	86	3,823	1.9%	3.5%	2.2%	21.3%	2.5%	27.6%	33.9%	4.3%	2.9%
113131	Training and Development Managers	9	353	0.0%	0.0%	0.0%	5.5%	0.0%	51.6%	32.2%	10.8%	0.0%
119013	Farmers, Ranchers, and Other Agricultural Managers	2	64	53.5%	46.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
119021	Constructions Managers	57	3,522	0.0%	31.9%	3.9%	18.5%	5.3%	22.9%	17.5%	0.0%	0.0%
119030	Education Administrators	125	6,376	0.0%	1.4%	0.0%	6.4%	0.0%	25.3%	49.9%	5.4%	11.6%
119041	Architectural and Engineering Managers	16	881	0.0%	0.0%	0.0%	0.0%	0.0%	14.1%	57.7%	5.2%	23.0%

119051	Food Service Managers	52	3,250	7.8%	14.1%	10.7%	34.2%	7.5%	19.6%	4.8%	1.3%	0.0%
119081	Lodging Managers	13	681	0.0%	24.2%	0.0%	17.9%	20.4%	30.9%	0.0%	6.6%	0.0%
119111	Medical and Health Services Managers	59	2,860	0.0%	7.8%	6.0%	6.6%	2.7%	32.2%	25.5%	17.0%	2.2%
119121	Natural Science Managers	15	541	0.0%	0.0%	0.0%	0.0%	0.0%	20.8%	21.0%	12.2%	46.0%
119141	Property, Real Estate, and Community Association Managers	59	2,915	7.3%	14.3%	4.8%	18.3%	6.2%	38.9%	8.5%	1.7%	0.0%
119151	Social and Community Service Managers	229	10,923	0.0%	1.7%	1.8%	8.9%	3.2%	30.5%	38.7%	6.0%	9.2%
119161	Emergency Management Directors	3	322	0.0%	0.0%	0.0%	52.3%	0.0%	47.7%	0.0%	0.0%	0.0%
119XXX	Miscellaneous Managers, Including Funeral Service Managers and Postmasters and Mail Superintendents	960	48,091	0.6%	3.0%	2.3%	9.1%	2.3%	35.8%	36.9%	5.6%	4.4%
Business and Financial Operations Occupations												
131011	Agents and Business Managers of Artists, Performers, and Athletes	7	307	0.0%	14.5%	0.0%	34.5%	0.0%	7.5%	32.2%	0.0%	11.2%
131022	Wholesale and Retail Buyers, Except Farm Products	7	560	7.1%	27.8%	0.0%	50.7%	0.0%	14.5%	0.0%	0.0%	0.0%
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	49	2,356	1.9%	9.9%	7.9%	15.1%	2.4%	38.6%	21.1%	3.1%	0.0%
131030	Claims Adjusters, Appraisers, Examiners, and Investigators	21	1,033	0.0%	33.3%	0.0%	4.3%	0.0%	25.8%	30.2%	6.5%	0.0%
131041	Compliance Officers	67	3,559	2.6%	7.2%	1.1%	10.4%	5.5%	28.8%	32.3%	6.7%	5.4%
131051	Cost Estimators	8	355	0.0%	0.0%	0.0%	0.0%	0.0%	87.9%	0.0%	12.1%	0.0%
131070	Human Resources Workers	170	9,485	1.1%	8.0%	3.3%	20.4%	6.4%	35.7%	21.8%	3.2%	0.0%
131081	Logisticians	30	1,566	0.0%	11.1%	3.3%	13.7%	6.2%	33.6%	25.3%	6.9%	0.0%
131111	Management Analysts	335	16,123	0.3%	2.3%	2.3%	5.6%	1.5%	39.3%	42.6%	3.0%	3.0%
131121	Meeting, Convention, and Event Planners	64	3,107	0.0%	6.3%	2.4%	18.4%	0.9%	47.3%	23.6%	1.1%	0.0%
131131	Fundraisers	56	2,811	0.0%	0.0%	0.8%	11.6%	0.0%	58.8%	24.8%	1.3%	2.7%
131141	Compensation, Benefits, and Job Analysis Specialists	9	482	0.0%	6.7%	29.8%	6.7%	0.0%	44.3%	12.4%	0.0%	0.0%
131151	Training and Development Specialists	36	1,638	0.0%	5.0%	12.6%	13.9%	8.6%	36.8%	20.7%	0.0%	2.4%
131161	Market Research Analysts and Marketing Specialists	31	1,447	0.0%	0.0%	0.0%	9.8%	3.6%	57.7%	25.5%	0.0%	3.4%
131199	Business Operations Specialists, All Other	124	5,837	1.4%	10.8%	2.2%	6.7%	0.0%	36.0%	36.8%	3.8%	2.3%
132011	Accountants and Auditors	401	20,356	0.2%	1.9%	1.6%	7.2%	2.5%	53.6%	27.1%	3.8%	2.2%
132021	Appraisers and Assessors of Real Estate	3	174	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.2%	46.8%	25.0%
132031	Budget Analysts	67	3,321	1.3%	8.2%	4.4%	7.0%	9.8%	37.5%	30.7%	1.1%	0.0%

132041	Credit Analysts	2	62	0.0%	0.0%	0.0%	63.7%	0.0%	0.0%	36.3%	0.0%	0.0%
132051	Financial Analysts	21	1,117	0.0%	0.0%	0.0%	8.9%	5.2%	28.0%	40.3%	13.1%	4.5%
132052	Personal Financial Advisors	47	1,824	0.0%	0.0%	0.0%	4.6%	0.0%	57.2%	32.7%	5.4%	0.0%
132053	Insurance Underwriters	5	311	0.0%	26.0%	0.0%	47.9%	0.0%	26.0%	0.0%	0.0%	0.0%
132061	Financial Examiners	4	180	0.0%	0.0%	0.0%	0.0%	0.0%	53.5%	46.5%	0.0%	0.0%
132070	Credit Counselors and Loan Officers	17	849	0.0%	8.7%	0.0%	6.4%	0.0%	52.4%	32.5%	0.0%	0.0%
132081	Tax Examiners and Collectors, and Revenue Agents	10	284	0.0%	7.7%	15.3%	15.0%	0.0%	30.5%	20.4%	11.1%	0.0%
132082	Tax Preparers	8	295	0.0%	0.0%	0.0%	0.0%	0.0%	23.4%	0.0%	67.2%	9.3%
132099	Financial Specialists, All Other	15	529	15.7%	0.0%	0.0%	5.0%	0.0%	19.6%	43.8%	16.0%	0.0%
Computer and Mathematical Occupations												
151111	Computer and Information Research Scientists	8	503	0.0%	0.0%	0.0%	0.0%	0.0%	39.5%	60.5%	0.0%	0.0%
151121	Computer Scientists and Systems Analysts	121	7,268	0.5%	2.1%	5.9%	13.5%	1.6%	44.3%	27.6%	2.4%	2.1%
151122	Information Security Analysts	39	2,522	6.3%	3.5%	4.4%	8.0%	28.5%	27.5%	18.1%	1.8%	1.9%
151131	Computer Programmers	60	3,232	0.0%	5.7%	1.1%	12.5%	0.0%	48.1%	31.3%	0.0%	1.3%
151134	Web Developers	42	2,325	0.0%	0.0%	5.2%	5.0%	1.8%	72.4%	13.9%	1.7%	0.0%
15113X	Software Developers, Applications and Systems Software	220	12,299	1.0%	3.5%	3.7%	6.2%	4.4%	42.7%	35.0%	2.1%	1.3%
151141	Database Administrators	36	2,251	0.0%	1.8%	11.6%	11.3%	15.0%	41.5%	13.1%	1.3%	4.3%
151142	Network and Computer Systems Administrators	62	3,151	0.0%	11.0%	14.1%	13.5%	3.3%	39.9%	14.0%	4.2%	0.0%
151143	Computer Network Architects	25	1,315	0.0%	0.0%	3.7%	9.1%	9.3%	52.2%	25.7%	0.0%	0.0%
151150	Computer Support Specialists	87	4,523	0.0%	12.2%	3.2%	21.6%	18.3%	39.1%	4.8%	0.0%	0.9%
151199	Computer Occupations, All Other	108	6,225	0.7%	10.9%	2.6%	17.7%	11.5%	41.9%	14.1%	0.5%	0.0%
152011	Actuaries	4	271	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
152031	Operations Research Analysts	224	11,372	0.9%	0.7%	2.4%	9.4%	1.9%	32.0%	44.1%	1.9%	6.7%
1520XX	Miscellaneous Mathematical Science Occupations, Including Mathematicians and Statisticians	32	1,191	0.0%	0.0%	0.0%	0.0%	0.0%	27.3%	47.2%	0.0%	25.5%
Architecture and Engineering Occupations												
171010	Architects, Except Naval	40	1,910	0.0%	0.0%	7.7%	0.0%	0.0%	18.6%	62.7%	10.9%	0.0%
171020	Surveyors, Cartographers, and Photogrammetrists	6	671	0.0%	0.0%	0.0%	7.5%	0.0%	30.4%	62.1%	0.0%	0.0%
172011	Aerospace Engineers	5	233	0.0%	0.0%	0.0%	28.4%	0.0%	38.7%	23.7%	9.2%	0.0%
172041	Chemical Engineers	3	133	0.0%	0.0%	0.0%	20.7%	0.0%	0.0%	0.0%	0.0%	79.3%

172051	Civil Engineers	35	2,168	0.0%	19.9%	0.0%	0.0%	1.7%	54.7%	17.7%	1.8%	4.2%
172061	Computer Hardware Engineers	8	327	0.0%	0.0%	0.0%	34.3%	12.9%	21.1%	18.8%	0.0%	12.9%
172070	Electrical and Electronics Engineers	23	1,118	0.0%	0.0%	4.0%	0.0%	10.5%	44.5%	35.4%	0.0%	5.6%
172081	Environmental Engineers	6	295	0.0%	0.0%	0.0%	0.0%	0.0%	19.7%	80.3%	0.0%	0.0%
1720XX	Biomedical and Agricultural Engineers	1	69	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
172110	Industrial Engineers, Including Health and Safety	4	262	0.0%	0.0%	0.0%	0.0%	0.0%	69.6%	30.4%	0.0%	0.0%
172121	Marine Engineers and Naval Architects	1	53	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
172141	Mechanical Engineers	15	878	0.0%	19.7%	10.1%	0.0%	10.5%	40.0%	19.7%	0.0%	0.0%
1721XX	Petroleum, Mining and Geological Engineers, Including Mining Safety Engineers	1	30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
1721YY	Miscellaneous Engineers, Including Nuclear Engineers	84	3,457	0.0%	1.0%	1.2%	12.2%	0.9%	41.4%	35.3%	0.0%	8.0%
173010	Drafters	7	306	10.0%	0.0%	0.0%	0.0%	20.8%	69.2%	0.0%	0.0%	0.0%
173020	Engineering Technicians, Except Drafters	24	1,637	3.4%	28.9%	4.6%	45.3%	5.3%	12.6%	0.0%	0.0%	0.0%
173031	Surveying and Mapping Technicians	2	72	0.0%	0.0%	38.2%	0.0%	61.8%	0.0%	0.0%	0.0%	0.0%
Life, Physical, and Social Science Occupations												
191010	Agricultural and Food Scientists	4	246	0.0%	0.0%	0.0%	0.0%	0.0%	16.5%	0.0%	18.3%	65.2%
191020	Biological Scientists	12	611	0.0%	0.0%	0.0%	0.0%	0.0%	35.7%	29.2%	0.0%	35.1%
191030	Conservation Scientists and Foresters	3	121	0.0%	0.0%	0.0%	0.0%	0.0%	49.6%	50.4%	0.0%	0.0%
1910XX	Medical Scientists, and Life Scientists, All Other	28	1,295	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	35.9%	9.2%	51.1%
192010	Astronomers and Physicists	4	179	0.0%	0.0%	0.0%	0.0%	0.0%	37.2%	30.2%	0.0%	32.7%
192021	Atmospheric and Space Scientists	2	76	0.0%	0.0%	0.0%	0.0%	0.0%	57.6%	42.4%	0.0%	0.0%
192030	Chemists and Materials Scientists	4	173	0.0%	0.0%	0.0%	0.0%	0.0%	15.9%	0.0%	0.0%	84.1%
192040	Environmental Scientists and Geoscientists	15	576	0.0%	0.0%	0.0%	0.0%	0.0%	49.7%	22.3%	6.9%	21.2%
192099	Physical Scientists, All Other	87	4,230	0.0%	0.0%	0.0%	0.0%	0.0%	13.7%	24.6%	3.5%	58.3%
193011	Economists	196	9,426	0.4%	0.0%	0.0%	0.0%	0.3%	11.5%	39.9%	6.5%	41.4%
193030	Psychologists	41	1,421	0.0%	0.0%	0.0%	0.0%	2.0%	7.5%	26.9%	0.0%	63.7%
193051	Urban and Regional Planners	5	182	0.0%	0.0%	0.0%	0.0%	0.0%	20.9%	53.8%	0.0%	25.3%
1930XX	Miscellaneous Social Scientists, Including Survey Researchers and Sociologists	68	2,958	0.0%	2.6%	0.0%	1.7%	0.0%	44.2%	31.6%	2.0%	17.8%
194011	Agricultural and Food Science Technicians	1	45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

194021	Biological Technicians	1	162	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
194031	Chemical Technicians	4	271	0.0%	0.0%	0.0%	49.1%	0.0%	36.7%	0.0%	0.0%	14.2%
1940XX	Geological and Petroleum Technicians, and Nuclear Technicians	1	67	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
1940YY	Miscellaneous Life, Physical, and Social Science Technicians, Including Social Science Research Assistants	31	1,635	0.0%	5.7%	2.4%	12.5%	0.0%	39.2%	31.9%	0.0%	8.3%
Community and Social Service Occupations												
211010	Counselors	81	3,995	0.8%	2.7%	1.7%	12.8%	11.7%	25.6%	35.1%	5.3%	4.4%
211020	Social Workers	91	4,723	4.5%	6.2%	2.1%	1.2%	1.3%	32.4%	50.9%	0.0%	1.4%
211092	Probation Officers and Correctional Treatment Specialists	10	499	0.0%	11.2%	0.0%	6.3%	0.0%	51.8%	20.2%	0.0%	10.4%
211093	Social and Human Service Assistants	28	1,287	5.6%	9.6%	0.0%	8.0%	0.0%	55.4%	13.8%	5.1%	2.5%
21109X	Miscellaneous Community and Social Service Specialists, Including Health Educators and Community Health Workers	50	2,729	0.0%	2.5%	2.3%	15.4%	1.0%	35.9%	35.0%	4.7%	3.2%
212011	Clergy	32	1,228	3.1%	0.0%	0.0%	4.7%	0.0%	21.8%	50.7%	8.6%	11.1%
212021	Directors, Religious Activities and Education	5	209	0.0%	0.0%	0.0%	0.0%	0.0%	40.0%	60.0%	0.0%	0.0%
212099	Religious Workers, All Other	9	348	0.0%	0.0%	0.0%	24.5%	0.0%	59.4%	11.5%	4.6%	0.0%
Legal Occupations												
231012	Judicial Law Clerks	14	585	0.0%	0.0%	0.0%	0.0%	0.0%	12.8%	5.2%	82.0%	0.0%
2310XX	Lawyers, and Judges, Magistrates, and Other Judicial Workers	1,012	44,339	0.3%	0.3%	0.0%	0.2%	0.0%	1.4%	2.3%	91.0%	4.6%
232011	Paralegals and Legal Assistants	130	7,063	0.4%	8.7%	3.3%	15.1%	3.4%	54.3%	8.8%	5.4%	0.5%
232090	Miscellaneous Legal Support Workers	132	5,888	0.7%	6.6%	0.7%	14.6%	0.0%	46.7%	21.7%	4.4%	4.6%
Education, Training, and Library Occupations												
251000	Postsecondary Teachers	241	11,575	0.0%	0.0%	0.0%	1.1%	0.0%	18.6%	20.1%	7.2%	53.0%
252010	Preschool and Kindergarten Teachers	40	2,308	0.0%	13.5%	15.1%	14.7%	8.7%	26.1%	21.8%	0.0%	0.0%
252020	Elementary and Middle School Teachers	177	9,220	0.0%	0.0%	0.0%	0.8%	1.4%	42.6%	49.9%	4.4%	0.9%
252030	Secondary School Teachers	45	2,211	0.0%	0.0%	0.0%	2.6%	1.5%	50.7%	38.9%	2.7%	3.6%
252050	Special Education Teachers	12	498	0.0%	0.0%	0.0%	0.0%	10.6%	21.9%	62.4%	5.1%	0.0%
253000	Other Teachers and Instructors	114	5,284	1.6%	7.9%	1.2%	14.2%	4.0%	35.4%	29.3%	0.0%	6.4%
254010	Archivists, Curators, and Museum Technicians	46	2,038	0.0%	3.1%	0.0%	0.0%	0.0%	34.4%	40.7%	2.0%	19.8%
254021	Librarians	74	3,792	0.0%	0.0%	2.5%	1.4%	7.3%	16.0%	62.2%	7.5%	3.2%

254031	Library Technicians	16	665	0.0%	8.7%	5.0%	36.8%	0.0%	35.2%	9.9%	4.4%	0.0%
259041	Teacher Assistants	34	1,691	2.1%	34.3%	3.1%	16.1%	2.9%	33.3%	8.1%	0.0%	0.0%
2590XX	Other Education, Training, and Library Workers	30	1,532	0.0%	5.1%	0.0%	5.8%	0.0%	6.7%	66.3%	0.0%	16.1%
Arts, Design, Entertainment, Sports, and Media Occupations												
271010	Artists and Related Workers	14	498	13.4%	1.2%	0.0%	0.0%	0.0%	72.3%	13.2%	0.0%	0.0%
271020	Designers	85	4,211	2.9%	2.7%	1.8%	5.6%	6.8%	52.0%	25.7%	0.5%	2.0%
272011	Actors	3	109	0.0%	0.0%	0.0%	37.8%	0.0%	38.2%	0.0%	24.0%	0.0%
272012	Producers and Directors	51	2,316	0.0%	6.0%	0.0%	7.1%	3.6%	57.0%	24.1%	2.3%	0.0%
272020	Athletes, Coaches, Umpires, and Related Workers	6	351	0.0%	8.8%	0.0%	53.3%	18.8%	19.1%	0.0%	0.0%	0.0%
272040	Musicians, Singers, and Related Workers	20	1,062	0.0%	2.9%	0.0%	13.2%	3.9%	32.1%	39.1%	0.0%	8.8%
272099	Entertainers and Performers, Sports and Related Workers, All Other	1	40	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
273010	Announcers	12	1,118	0.0%	0.0%	0.0%	13.9%	18.2%	47.8%	14.8%	5.3%	0.0%
273020	News Analysts, Reporters and Correspondents	87	4,161	0.8%	1.8%	2.0%	2.8%	0.9%	58.4%	28.8%	4.5%	0.0%
273031	Public Relations Specialists	173	8,167	0.6%	4.0%	0.3%	7.8%	0.5%	47.9%	24.4%	11.0%	3.6%
273041	Editors	104	4,264	0.0%	0.0%	0.6%	0.9%	1.8%	47.9%	40.6%	5.5%	2.7%
273042	Technical Writers	32	1,660	0.0%	2.9%	0.0%	16.3%	1.4%	45.0%	23.3%	5.8%	5.3%
273043	Writers and Authors	98	4,439	0.0%	0.7%	0.0%	0.0%	0.0%	53.1%	36.8%	7.2%	2.2%
273090	Miscellaneous Media and Communication Workers	23	1,559	0.0%	0.0%	3.9%	32.4%	0.0%	31.7%	29.8%	2.2%	0.0%
274021	Photographers	19	793	0.0%	16.6%	0.0%	15.5%	11.3%	56.6%	0.0%	0.0%	0.0%
274030	Television, Video, and Motion Picture Camera Operators and Editors	7	409	0.0%	0.0%	0.0%	0.0%	0.0%	75.9%	24.1%	0.0%	0.0%
2740XX	Broadcast and Sound Engineering Technicians and Radio Operators, and Media and Communication Equipment Workers, All Other	18	1,146	0.0%	20.2%	0.0%	28.1%	16.1%	33.2%	2.5%	0.0%	0.0%
Healthcare Practitioners and Technical Occupations												
291011	Chiropractors	2	93	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43.2%	56.8%
291020	Dentists	20	961	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%	85.1%	9.8%
291031	Dietitians and Nutritionists	8	416	0.0%	0.0%	0.0%	0.0%	25.0%	18.3%	56.7%	0.0%	0.0%
291041	Optometrists	2	93	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%

291051	Pharmacists	13	566	0.0%	0.0%	0.0%	0.0%	0.0%	35.3%	12.1%	23.8%	28.8%
291060	Physicians and Surgeons	156	7,748	0.0%	0.0%	0.0%	2.5%	0.0%	0.0%	4.3%	73.4%	19.8%
291071	Physician Assistants	9	519	0.0%	0.0%	0.0%	0.0%	27.4%	26.5%	30.9%	5.2%	10.0%
291081	Podiatrists	2	83	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
291122	Occupational Therapists	5	362	0.0%	0.0%	0.0%	0.0%	0.0%	71.7%	28.3%	0.0%	0.0%
291123	Physical Therapists	13	870	5.2%	0.0%	0.0%	13.5%	0.0%	32.8%	12.5%	9.3%	26.7%
291124	Radiation Therapists	1	54	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
291126	Respiratory Therapists	7	503	0.0%	0.0%	0.0%	26.7%	23.4%	50.0%	0.0%	0.0%	0.0%
291127	Speech Language Pathologists	8	429	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	80.7%	19.3%	0.0%
29112X	Other Therapists, Including Exercise Physiologists	7	250	0.0%	0.0%	0.0%	0.0%	13.4%	28.8%	57.8%	0.0%	0.0%
291131	Veterinarians	6	302	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	88.6%	11.4%
291141	Registered Nurses	217	10,988	0.5%	0.8%	1.3%	2.2%	13.8%	61.3%	15.8%	3.5%	0.9%
291151	Nurse Anesthetists	2	148	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	72.9%	0.0%	27.1%
291181	Audiologists	1	35	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
291199	Health Diagnosing and Treating Practitioners, All Other	2	62	0.0%	0.0%	0.0%	0.0%	0.0%	39.0%	61.0%	0.0%	0.0%
2911XX	Nurse Practitioners and Nurse Midwives	10	429	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	74.9%	16.7%	8.4%
292010	Clinical Laboratory Technologists and Technicians	28	1,339	0.0%	10.6%	2.8%	12.1%	5.8%	55.8%	12.9%	0.0%	0.0%
292021	Dental Hygienists	2	62	0.0%	0.0%	0.0%	0.0%	46.0%	54.0%	0.0%	0.0%	0.0%
292030	Diagnostic Related Technologists and Technicians	20	1,162	0.0%	24.1%	0.0%	15.7%	36.3%	18.2%	2.9%	2.8%	0.0%
292041	Emergency Medical Technicians and Paramedics	6	365	0.0%	0.0%	0.0%	89.4%	0.0%	10.6%	0.0%	0.0%	0.0%
292050	Health Practitioner Support Technologists and Technicians	22	1,431	6.7%	35.5%	4.3%	18.3%	9.5%	19.4%	2.8%	3.4%	0.0%
292061	Licensed Practical and Licensed Vocational Nurses	33	1,984	0.0%	21.1%	9.8%	51.5%	2.7%	12.4%	0.0%	2.5%	0.0%
292071	Medical Records and Health Information Technicians	6	254	8.1%	34.6%	0.0%	0.0%	25.6%	31.7%	0.0%	0.0%	0.0%
292090	Miscellaneous Health Technologists and Technicians	7	329	0.0%	0.0%	0.0%	22.7%	11.6%	28.8%	23.4%	13.5%	0.0%
299000	Other Healthcare Practitioners and Technical Occupations	7	281	0.0%	0.0%	0.0%	12.5%	0.0%	12.6%	74.9%	0.0%	0.0%
Healthcare Support Occupations												
311010	Nursing, Psychiatric, and Home Health Aides	138	8,964	8.5%	37.2%	7.9%	28.8%	6.9%	7.4%	2.9%	0.3%	0.0%
312010	Occupational Therapy Assistants and Aides	1	95	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
312020	Physical Therapist Assistants and Aides	1	46	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
319011	Massage Therapists	7	311	0.0%	54.0%	11.7%	12.1%	0.0%	12.2%	0.0%	10.0%	0.0%

319091	Dental Assistants	8	290	0.0%	0.0%	9.5%	41.2%	22.9%	26.4%	0.0%	0.0%	0.0%
319092	Medical Assistants	12	670	3.8%	50.3%	24.4%	21.4%	0.0%	0.0%	0.0%	0.0%	0.0%
319094	Medical Transcriptionists	2	64	0.0%	21.9%	0.0%	78.1%	0.0%	0.0%	0.0%	0.0%	0.0%
319097	Phlebotomists	8	570	18.0%	61.3%	14.0%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%
31909X	Healthcare Support Workers, All Other, Including Medical Equipment Preparers	7	276	0.0%	53.9%	0.0%	10.7%	0.0%	0.0%	14.3%	0.0%	21.1%
Protective Service Occupations												
331011	First-Line Supervisors of Correctional Officers	2	79	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
331012	First-Line Supervisors of Police and Detectives	22	1,251	0.0%	6.8%	0.0%	30.2%	6.9%	33.0%	19.4%	3.7%	0.0%
331021	First-Line Supervisors of Fire Fighting and Prevention Workers	4	186	0.0%	0.0%	25.1%	38.8%	10.8%	0.0%	25.3%	0.0%	0.0%
331099	First-Line Supervisors of Protective Service Workers, All Other	19	881	9.7%	17.0%	0.0%	23.3%	0.0%	14.4%	25.5%	10.2%	0.0%
332011	Firefighters	25	1,200	0.0%	27.6%	8.0%	45.4%	8.2%	10.7%	0.0%	0.0%	0.0%
332020	Fire Inspectors	1	113	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
333010	Bailiffs, Correctional Officers, and Jailers	25	1,455	0.0%	37.6%	5.7%	11.3%	4.0%	30.8%	10.6%	0.0%	0.0%
333021	Detectives and Criminal Investigators	73	4,398	1.4%	9.4%	5.2%	8.8%	6.8%	37.0%	26.1%	5.2%	0.0%
333050	Police Officers	158	8,695	2.4%	10.5%	7.6%	16.7%	8.9%	40.7%	12.4%	0.7%	0.0%
3330XX	Miscellaneous Law Enforcement Workers	1	78	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
339011	Animal Control Workers	3	124	0.0%	16.9%	0.0%	0.0%	0.0%	29.4%	0.0%	53.6%	0.0%
339021	Private Detectives and Investigators	21	1,030	0.0%	7.9%	2.4%	18.7%	0.0%	40.4%	18.0%	8.6%	3.9%
339030	Security Guards and Gaming Surveillance Officers	196	11,984	2.7%	42.1%	7.7%	19.7%	8.6%	14.3%	3.9%	0.8%	0.2%
339091	Crossing Guards	4	252	35.9%	54.2%	9.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
339093	Transportation Security Screeners	1	134	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
33909X	Lifeguards and Other Recreational, and All Other Protective Service Workers	9	564	0.0%	23.1%	0.0%	45.2%	6.7%	0.0%	25.0%	0.0%	0.0%
Food Preparation and Serving Related Occupations												
351011	Chefs and Head Cooks	35	1,625	16.1%	45.3%	0.0%	9.1%	8.7%	16.0%	0.0%	4.9%	0.0%
351012	First-Line Supervisors of Food Preparation and Serving Workers	31	1,762	19.7%	39.9%	11.4%	7.5%	3.4%	11.7%	0.0%	6.4%	0.0%
352010	Cooks	101	6,623	39.3%	37.2%	5.5%	9.0%	2.7%	6.4%	0.0%	0.0%	0.0%
352021	Food Preparation Workers	42	3,067	43.0%	33.8%	0.6%	12.6%	0.0%	10.1%	0.0%	0.0%	0.0%

353021	Combined Food Preparation and Serving Workers, Including Fast Food	6	471	58.4%	41.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
353022	Counter Attendant, Cafeteria, Food Concession, and Coffee Shop	3	178	23.4%	34.1%	0.0%	0.0%	0.0%	42.5%	0.0%	0.0%	0.0%
353031	Waiters and Waitresses	117	7,205	7.0%	18.4%	8.1%	35.6%	7.7%	18.5%	3.2%	1.6%	0.0%
353041	Food Servers, Nonrestaurant	20	1,253	20.5%	43.9%	6.9%	4.0%	13.1%	11.6%	0.0%	0.0%	0.0%
359021	Dishwashers	11	1,013	91.9%	0.0%	0.0%	8.1%	0.0%	0.0%	0.0%	0.0%	0.0%
359031	Host and Hostesses, Restaurant, Lounge, and Coffee Shop	12	454	0.0%	27.1%	28.1%	20.9%	9.5%	14.3%	0.0%	0.0%	0.0%
3590XX	Miscellaneous Food Preparation and Serving Related Workers, Including Dining Room and Cafeteria Attendants and Bartender Helpers	22	1,134	28.5%	48.1%	0.0%	19.1%	0.0%	4.2%	0.0%	0.0%	0.0%
Building and Grounds Cleaning and Maintenance Occupations												
371011	First-Line Supervisors of Housekeeping and Janitorial Workers	29	1,416	15.0%	43.9%	2.6%	9.1%	8.6%	17.5%	3.2%	0.0%	0.0%
371012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	2	79	0.0%	0.0%	32.9%	67.1%	0.0%	0.0%	0.0%	0.0%	0.0%
372012	Maids and Housekeeping Cleaners	163	11,262	55.8%	31.3%	0.2%	7.3%	2.4%	1.6%	1.3%	0.0%	0.0%
37201X	Janitors and Building Cleaners	161	10,060	46.9%	31.2%	2.1%	12.9%	2.4%	4.5%	0.0%	0.0%	0.0%
372021	Pest Control Workers	1	39	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
373010	Grounds Maintenance Workers	19	973	47.1%	30.0%	0.0%	0.0%	9.9%	8.9%	4.1%	0.0%	0.0%
Personal Care and Service Occupations												
391010	First-Line Supervisors of Gaming Workers	3	189	0.0%	31.0%	0.0%	0.0%	0.0%	69.0%	0.0%	0.0%	0.0%
391021	First-Line Supervisors of Personal Service Workers	14	772	0.0%	16.9%	10.6%	37.2%	12.4%	22.9%	0.0%	0.0%	0.0%
392011	Animal Trainers	1	42	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
392021	Nonfarm Animal Caretakers	3	115	0.0%	0.0%	0.0%	0.0%	0.0%	29.6%	70.4%	0.0%	0.0%
393010	Gaming Services Workers	2	314	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
393031	Ushers, Lobby Attendants, and Ticket Takers	8	295	0.0%	10.0%	21.7%	43.1%	0.0%	16.5%	0.0%	0.0%	8.7%
393090	Miscellaneous Entertainment Attendants and Related Workers	8	413	29.6%	32.2%	5.7%	0.0%	23.9%	8.6%	0.0%	0.0%	0.0%
394031	Morticians, Undertakers, and Funeral Directors	3	73	0.0%	49.3%	37.7%	0.0%	0.0%	0.0%	13.0%	0.0%	0.0%
395011	Barbers	4	103	52.7%	0.0%	0.0%	16.6%	0.0%	30.7%	0.0%	0.0%	0.0%
395012	Hairdressers, Hairstylists, and Cosmetologists	34	2,013	14.9%	42.1%	2.6%	15.4%	16.7%	6.4%	2.0%	0.0%	0.0%
395090	Miscellaneous Personal Appearance Workers	18	1,246	22.2%	61.6%	10.1%	3.4%	0.0%	2.8%	0.0%	0.0%	0.0%

396010	Baggage Porters, Bellhops, and Concierges	22	1,192	0.0%	43.7%	5.2%	29.7%	4.1%	13.5%	3.9%	0.0%	0.0%
397010	Tour and Travel Guides	10	409	0.0%	7.7%	8.0%	22.4%	17.0%	23.6%	21.3%	0.0%	0.0%
399011	Childcare Workers	91	4,700	17.4%	21.7%	6.3%	17.1%	6.8%	25.1%	4.7%	1.0%	0.0%
399021	Personal Care Aides	35	1,682	17.9%	38.6%	3.4%	18.8%	1.8%	17.1%	2.4%	0.0%	0.0%
399030	Recreation and Fitness Workers	27	1,553	11.7%	9.7%	12.7%	14.5%	7.7%	31.1%	10.2%	2.4%	0.0%
399041	Residential Advisors	12	590	0.0%	35.3%	0.0%	42.9%	0.0%	4.6%	17.3%	0.0%	0.0%
399099	Personal Care and Service Workers, All Other	12	845	10.6%	4.8%	15.0%	6.4%	0.0%	55.7%	2.4%	0.0%	5.2%
Sales and Related Occupations												
411011	First-Line Supervisors of Retail Sales Workers	93	6,062	0.7%	18.4%	15.2%	20.4%	6.9%	32.5%	4.9%	0.8%	0.0%
411012	First-Line Supervisors of Non-Retail Sales	53	2,581	4.6%	9.6%	7.8%	4.6%	4.0%	46.2%	16.6%	5.0%	1.7%
412010	Cashiers	111	6,407	14.6%	48.7%	5.1%	18.1%	2.8%	7.8%	2.4%	0.5%	0.0%
412021	Counter and Rental Clerks	1	26	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
412031	Retail Salespersons	100	6,151	3.8%	20.0%	13.7%	31.3%	3.1%	21.9%	6.2%	0.0%	0.0%
413011	Advertising Sales Agents	27	1,071	0.0%	1.6%	0.0%	4.2%	0.0%	76.0%	15.3%	3.0%	0.0%
413021	Insurance Sales Agents	14	622	6.8%	12.3%	0.0%	0.0%	14.2%	51.2%	15.5%	0.0%	0.0%
413031	Securities, Commodities, and Financial Services Sales Agents	19	883	0.0%	0.0%	2.9%	10.8%	20.1%	41.6%	24.6%	0.0%	0.0%
413041	Travel Agents	6	234	0.0%	0.0%	0.0%	13.7%	0.0%	64.0%	22.3%	0.0%	0.0%
413099	Sales Representatives, Services, All Other	53	2,274	0.0%	15.7%	0.0%	13.8%	7.7%	41.8%	19.5%	1.5%	0.0%
414010	Sales Representatives, Wholesale and Manufacturing	42	2,440	1.3%	7.9%	3.4%	23.1%	2.4%	51.4%	10.6%	0.0%	0.0%
419010	Models, Demonstrators, and Product Promoters	3	155	0.0%	43.4%	0.0%	26.9%	0.0%	0.0%	29.8%	0.0%	0.0%
419020	Real Estate Brokers and Sales Agents	54	2,448	0.0%	1.8%	3.7%	9.5%	0.0%	63.2%	19.4%	0.9%	1.5%
419031	Sales Engineers	1	39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
419041	Telemarketers	1	42	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
419091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	11	693	22.7%	56.6%	0.0%	9.5%	0.0%	11.3%	0.0%	0.0%	0.0%
419099	Sales and Related Workers, All Other	18	999	0.0%	0.0%	5.1%	10.7%	0.0%	58.8%	19.3%	6.1%	0.0%
Office and Administrative Support Occupations												
431011	First-Line Supervisors of Office and Administrative Support Workers	265	12,298	0.9%	8.0%	6.3%	10.6%	7.2%	38.4%	21.7%	3.4%	3.5%
432011	Switchboard Operators, Including Answering Service	2	64	27.3%	0.0%	0.0%	0.0%	0.0%	72.7%	0.0%	0.0%	0.0%

432021	Telephone Operators	2	64	0.0%	40.2%	0.0%	0.0%	0.0%	59.8%	0.0%	0.0%	0.0%
432099	Communications Equipment Operators, All Other	8	333	0.0%	15.0%	0.0%	12.3%	0.0%	58.4%	14.3%	0.0%	0.0%
433011	Bill and Account Collectors	6	208	0.0%	68.9%	0.0%	14.0%	0.0%	17.1%	0.0%	0.0%	0.0%
433021	Billing and Posting Clerks	27	1,641	8.0%	15.3%	3.1%	42.0%	0.0%	24.5%	7.1%	0.0%	0.0%
433031	Bookkeeping, Accounting, and Auditing Clerks	97	4,658	0.0%	15.2%	14.9%	39.2%	4.6%	17.7%	7.5%	0.9%	0.0%
433051	Payroll and Timekeeping Clerks	15	598	0.0%	42.1%	21.1%	12.0%	7.5%	13.4%	4.0%	0.0%	0.0%
433061	Procurement Clerks	13	542	0.0%	12.8%	0.0%	20.7%	5.0%	10.0%	35.6%	16.0%	0.0%
433071	Tellers	9	481	0.0%	22.9%	39.4%	0.0%	27.2%	10.5%	0.0%	0.0%	0.0%
433099	Financial Clerks, All Other	9	476	0.0%	0.0%	0.0%	57.0%	16.1%	14.2%	12.7%	0.0%	0.0%
434011	Brokerage Clerks	1	24	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
434031	Court, Municipal, and License Clerks	5	290	12.6%	52.8%	17.2%	0.0%	0.0%	17.4%	0.0%	0.0%	0.0%
434041	Credit Authorizers, Checkers, and Clerks	3	278	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	70.3%	0.0%	29.7%
434051	Customer Service Representatives	105	6,104	4.1%	16.8%	7.3%	21.5%	6.1%	27.2%	17.0%	0.0%	0.0%
434061	Eligibility Interviewers, Government Programs	8	332	0.0%	0.0%	0.0%	7.7%	0.0%	33.2%	59.1%	0.0%	0.0%
434071	File Clerks	43	2,605	0.0%	21.3%	2.9%	30.4%	10.3%	26.7%	5.6%	2.8%	0.0%
434081	Hotel, Motel, and Resort Desk Clerks	12	744	5.1%	51.5%	8.5%	15.5%	7.5%	11.8%	0.0%	0.0%	0.0%
434111	Interviewers, Except Eligibility and Loan	10	639	21.5%	40.1%	0.0%	0.0%	6.4%	8.9%	0.0%	0.0%	23.1%
434121	Library Assistants, Clerical	9	424	7.0%	18.9%	31.6%	9.8%	0.0%	32.7%	0.0%	0.0%	0.0%
434131	Loan Interviewers and Clerks	1	26	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
434141	New Account Clerks	2	49	0.0%	0.0%	72.4%	0.0%	0.0%	27.6%	0.0%	0.0%	0.0%
434161	Human Resources Assistants, Except Payroll and Timekeeping	14	657	8.2%	0.0%	19.7%	30.5%	0.0%	31.0%	10.6%	0.0%	0.0%
434171	Receptionists and Information Clerks	98	5,053	5.0%	23.5%	6.6%	30.5%	6.6%	18.7%	8.6%	0.5%	0.0%
434181	Reservation and Transportation Ticket Agents and Travel Clerks	7	280	0.0%	11.1%	0.0%	58.0%	11.8%	19.1%	0.0%	0.0%	0.0%
434199	Information and Record Clerks, All Other	14	670	8.4%	33.2%	4.5%	19.7%	0.0%	10.2%	24.0%	0.0%	0.0%
434XXX	Correspondent Clerks and Order Clerks	15	1,138	0.0%	2.7%	0.0%	41.3%	0.0%	55.9%	0.0%	0.0%	0.0%
435011	Cargo and Freight Agents	1	56	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
435021	Couriers and Messengers	16	1,220	45.7%	5.8%	5.4%	22.9%	8.9%	5.9%	0.0%	5.5%	0.0%
435030	Dispatchers	9	855	11.6%	26.2%	0.0%	62.3%	0.0%	0.0%	0.0%	0.0%	0.0%
435051	Postal Service Clerks	15	929	4.4%	43.2%	16.8%	24.7%	6.8%	4.1%	0.0%	0.0%	0.0%
435052	Postal Service Mail Carriers	14	776	0.0%	42.0%	5.9%	27.0%	0.0%	25.1%	0.0%	0.0%	0.0%

435053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	6	281	16.0%	56.6%	23.5%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%
435061	Production, Planning, and Expediting Clerks	38	1,825	1.7%	7.0%	2.4%	20.1%	3.2%	50.3%	13.0%	0.0%	2.3%
435071	Shipping, Receiving, and Traffic Clerks	16	743	5.0%	44.0%	0.0%	45.4%	4.6%	1.1%	0.0%	0.0%	0.0%
435081	Stock Clerks and Order Fillers	44	2,471	26.0%	46.2%	3.8%	12.7%	0.8%	8.4%	0.0%	2.1%	0.0%
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	2	83	49.1%	0.0%	0.0%	50.9%	0.0%	0.0%	0.0%	0.0%	0.0%
436010	Secretaries and Administrative Assistants	523	27,391	0.7%	19.9%	8.6%	22.6%	8.5%	31.2%	7.2%	0.6%	0.7%
439011	Computer Operators	9	375	0.0%	34.7%	0.0%	22.9%	16.1%	12.0%	7.3%	0.0%	6.9%
439021	Data Entry Keyers	36	2,374	0.0%	33.5%	9.9%	22.0%	6.8%	15.8%	12.0%	0.0%	0.0%
439022	Word Processors and Typists	69	3,022	4.3%	14.8%	8.2%	32.3%	11.4%	16.4%	12.6%	0.0%	0.0%
439041	Insurance Claims and Policy Processing Clerks	17	784	0.0%	19.1%	3.3%	5.1%	5.2%	36.9%	22.0%	0.0%	8.4%
439051	Mail Clerks and Mail Machine Operators, Except Postal Service	27	1,424	11.3%	53.3%	18.6%	14.4%	0.0%	2.4%	0.0%	0.0%	0.0%
439061	Office Clerks, General	139	7,410	8.5%	22.7%	5.7%	24.5%	6.2%	26.2%	6.1%	0.0%	0.0%
439071	Office Machine Operators, Except Computer	7	441	7.5%	16.9%	0.0%	56.0%	0.0%	13.7%	5.9%	0.0%	0.0%
439081	Proofreaders and Copy Markers	5	244	0.0%	0.0%	0.0%	0.0%	14.4%	72.7%	12.9%	0.0%	0.0%
439111	Statistical Assistants	6	358	0.0%	35.1%	0.0%	10.5%	0.0%	54.4%	0.0%	0.0%	0.0%
439XXX	Miscellaneous Office and Administrative Support Workers, Including Desktop Publishers	94	5,769	1.3%	6.9%	0.0%	13.0%	8.6%	52.4%	14.6%	3.1%	0.0%
Farming, Fishing, and Forestry Occupations												
451011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	3	148	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.5%	50.5%	0.0%
4520XX	Miscellaneous Agricultural Workers, Including Animal Breeders	4	391	93.2%	0.0%	0.0%	0.0%	0.0%	6.8%	0.0%	0.0%	0.0%
454011	Forest and Conservation Workers	2	48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Construction and Extraction Occupations												
471011	First-Line Supervisors of Construction Trades and Extraction Workers	57	3,204	23.4%	29.4%	9.4%	20.5%	4.3%	9.1%	3.9%	0.0%	0.0%
472020	Brickmasons, Blockmasons, and Stonemasons	1	70	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472031	Carpenters	53	3,208	40.1%	40.7%	4.4%	2.5%	0.0%	11.2%	1.1%	0.0%	0.0%
472040	Carpet, Floor, and Tile Installers and Finishers	5	408	81.7%	18.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472050	Cement Masons, Concrete Finishers, and Terrazzo Workers	3	170	15.6%	84.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472061	Construction Laborers	70	4,559	38.6%	38.4%	12.3%	1.4%	0.5%	8.9%	0.0%	0.0%	0.0%

47207X	Construction Equipment Operators, Except Paving, Surfacing, and Tamping Equipment Operators	4	205	0.0%	14.4%	0.0%	85.6%	0.0%	0.0%	0.0%	0.0%	0.0%
472080	Drywall Installers, Ceiling Tile Installers, and Tapers	6	486	53.6%	30.0%	0.0%	0.0%	0.0%	16.5%	0.0%	0.0%	0.0%
472111	Electricians	44	2,269	11.2%	37.0%	3.9%	21.9%	16.4%	6.6%	2.0%	0.0%	0.9%
472130	Insulation Workers	2	70	35.7%	0.0%	0.0%	64.3%	0.0%	0.0%	0.0%	0.0%	0.0%
472141	Painters, Construction and Maintenance	27	2,200	49.6%	30.9%	2.0%	13.7%	0.0%	3.8%	0.0%	0.0%	0.0%
472150	Pipelayers, Plumbers, Pipefitters, and Steamfitters	30	1,685	26.9%	39.6%	5.3%	23.8%	0.0%	4.5%	0.0%	0.0%	0.0%
472161	Plasterers and Stucco Masons	1	15	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472171	Reinforcing Iron and Rebar Workers	1	20	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472181	Roofers	8	376	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472211	Sheet Metal Workers	5	595	0.0%	24.0%	0.0%	0.0%	76.0%	0.0%	0.0%	0.0%	0.0%
472221	Structural Iron and Steel Workers	2	86	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
473010	Helpers, Construction Trades	3	272	76.4%	0.0%	0.0%	0.0%	0.0%	23.6%	0.0%	0.0%	0.0%
474011	Construction and Building Inspectors	5	274	0.0%	0.0%	12.6%	51.6%	0.0%	24.3%	11.5%	0.0%	0.0%
474021	Elevator Installers and Repairers	6	288	0.0%	59.5%	24.0%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%
474041	Hazardous Materials Removal Workers	2	196	79.6%	0.0%	0.0%	0.0%	20.4%	0.0%	0.0%	0.0%	0.0%
474051	Highway Maintenance Workers	2	74	83.1%	0.0%	0.0%	0.0%	0.0%	16.9%	0.0%	0.0%	0.0%
474061	Rail-Track Laying and Maintenance Equipment Operators	2	291	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
475021	Earth Drillers, Except Oil and Gas	1	28	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	1	84	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
47XXXX	Miscellaneous Construction Workers, Including Solar Photovoltaic Installers, and Septic Tank Servicers and Sewer Pipe Cleaners	1	63	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Installation, Maintenance, and Repair Occupations												
491011	First-Line Supervisors of Mechanics, Installers, and Repairers	13	618	0.0%	62.9%	0.0%	12.7%	4.6%	14.7%	5.1%	0.0%	0.0%
492011	Computer, Automated Teller, and Office Machine Repairers	21	1,307	0.0%	21.4%	34.7%	5.1%	11.5%	10.7%	16.6%	0.0%	0.0%
492020	Radio and Telecommunications Equipment Installers and Repairers	10	290	8.8%	39.2%	15.5%	18.8%	0.0%	17.6%	0.0%	0.0%	0.0%
492091	Avionics Technicians	1	11	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
492092	Electric Motor, Power Tool, and Related Repairers	3	137	0.0%	80.6%	0.0%	19.4%	0.0%	0.0%	0.0%	0.0%	0.0%

492097	Electronic Home Entertainment Equipment Installers and Repairers	3	223	0.0%	69.7%	0.0%	13.2%	17.0%	0.0%	0.0%	0.0%	0.0%
492098	Security and Fire Alarm Systems Installers	3	87	0.0%	63.6%	36.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
49209X	Electrical and Electronics Repairers, Transportation Equipment, and Industrial and Utility	4	160	0.0%	0.0%	0.0%	28.8%	50.2%	21.0%	0.0%	0.0%	0.0%
493011	Aircraft Mechanics and Service Technicians	3	93	0.0%	30.3%	0.0%	0.0%	38.4%	31.4%	0.0%	0.0%	0.0%
493021	Automotive Body and Related Repairers	2	80	23.9%	76.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
493023	Automotive Service Technicians and Mechanics	12	601	24.4%	34.5%	0.0%	31.6%	9.6%	0.0%	0.0%	0.0%	0.0%
493031	Bus and Truck Mechanics and Diesel Engine Specialists	16	930	0.0%	36.5%	2.7%	36.3%	24.4%	0.0%	0.0%	0.0%	0.0%
493040	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	6	284	5.8%	66.0%	0.0%	28.2%	0.0%	0.0%	0.0%	0.0%	0.0%
493050	Small Engine Mechanics	1	37	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	21	1,075	4.3%	49.3%	3.3%	25.8%	8.9%	8.4%	0.0%	0.0%	0.0%
499031	Home Appliance Repairers	1	115	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499044	Millwrights	1	175	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
49904X	Industrial and Refractory Machinery Mechanics	2	102	0.0%	0.0%	67.0%	33.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499051	Electrical Power-Line Installers and Repairers	5	344	0.0%	9.2%	9.6%	81.3%	0.0%	0.0%	0.0%	0.0%	0.0%
499052	Telecommunications Line Installers and Repairers	10	549	4.8%	25.1%	13.8%	43.9%	6.6%	5.8%	0.0%	0.0%	0.0%
499060	Precision Instrument and Equipment Repairers	2	54	0.0%	0.0%	0.0%	25.2%	0.0%	74.8%	0.0%	0.0%	0.0%
499071	Maintenance and Repair Workers, General	27	1,508	20.8%	50.6%	5.5%	5.6%	4.9%	8.4%	0.0%	4.3%	0.0%
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	2	169	60.4%	0.0%	0.0%	0.0%	39.6%	0.0%	0.0%	0.0%	0.0%
499094	Locksmiths and Safe Repairers	1	42	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499098	Helpers--Installation, Maintenance, and Repair Workers	1	117	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
49909X	Other Installation, Maintenance, and Repair Workers, Including Wind Turbine Service Technicians, and Commercial Divers, and Signal and Track Switch Repairers	9	634	6.2%	77.5%	6.1%	10.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Production Occupations												
511011	First-Line Supervisors of Production and Operating Workers	16	714	0.0%	39.5%	0.0%	19.0%	10.8%	26.6%	4.2%	0.0%	0.0%
512090	Miscellaneous Assemblers and Fabricators	4	241	8.9%	0.0%	23.0%	0.0%	58.7%	9.3%	0.0%	0.0%	0.0%

513011	Bakers	11	662	30.2%	42.3%	0.0%	27.5%	0.0%	0.0%	0.0%	0.0%	0.0%
513020	Butchers and Other Meat, Poultry, and Fish Processing Workers	5	301	86.0%	14.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
513092	Food Batchmakers	1	25	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1	32	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
514041	Machinists	1	58	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
514120	Welding, Soldering, and Brazing Workers	10	538	48.5%	34.3%	0.0%	4.8%	12.4%	0.0%	0.0%	0.0%	0.0%
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	1	48	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
514XXX	Miscellaneous Metal Workers and Plastic Workers, Including Milling and Planing Machine Setters, and Multiple Machine Tool Setters, and Lay-Out Workers	4	187	0.0%	51.3%	23.3%	0.0%	0.0%	25.4%	0.0%	0.0%	0.0%
515111	Prepress Technicians and Workers	7	534	0.0%	22.7%	31.7%	45.6%	0.0%	0.0%	0.0%	0.0%	0.0%
515112	Printing Machine Operators	22	1,083	20.7%	54.0%	9.8%	4.5%	0.0%	10.9%	0.0%	0.0%	0.0%
515113	Print Binding and Finishing Workers	3	253	10.5%	0.0%	0.0%	89.5%	0.0%	0.0%	0.0%	0.0%	0.0%
516011	Laundry and Dry-Cleaning Workers	6	417	52.3%	47.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516021	Pressers, Textile, Garment, and Related Materials	2	103	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516031	Sewing Machine Operators	2	157	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516041	Shoe and Leather Workers and Repairers	2	74	36.5%	0.0%	0.0%	63.5%	0.0%	0.0%	0.0%	0.0%	0.0%
516050	Tailors, Dressmakers, and Sewers	3	127	49.2%	50.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
51606X	Textile Bleaching and Dyeing, and Cutting Machine Setters, Operators, and Tenders	1	94	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516093	Upholsterers	1	136	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
51609X	Miscellaneous Textile, Apparel, and Furnishings Workers, Except Upholsterers	1	33	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
517011	Cabinetmakers and Bench Carpenters	2	105	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5170XX	Miscellaneous Woodworkers, Including Model Makers and Patternmakers	1	25	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
518021	Stationary Engineers and Boiler Operators	28	1,338	10.5%	28.7%	13.9%	27.3%	11.0%	0.0%	8.6%	0.0%	0.0%
518031	Water and Wastewater Treatment Plant and System Operators	1	86	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
518090	Miscellaneous Plant and System Operators	1	39	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

519010	Chemical Processing Machine Setters, Operators, and Tenders	1	52	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519020	Crushing, Grinding, Polishing, Mixing, and Blending Workers	2	111	0.0%	0.0%	27.9%	0.0%	0.0%	72.1%	0.0%	0.0%	0.0%
519030	Cutting Workers	2	169	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1	97	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	23	1,568	10.6%	10.5%	2.8%	25.0%	7.9%	36.9%	6.3%	0.0%	0.0%
519071	Jewelers and Precious Stone and Metal Workers	1	26	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519080	Medical, Dental, and Ophthalmic Laboratory Technicians	2	160	0.0%	56.6%	0.0%	0.0%	0.0%	43.4%	0.0%	0.0%	0.0%
519111	Packaging and Filling Machine Operators and Tenders	2	91	41.2%	58.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519120	Painting Workers	1	35	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519151	Photographic Process Workers and Processing Machine Operators	4	80	26.3%	54.4%	0.0%	0.0%	0.0%	19.4%	0.0%	0.0%	0.0%
519195	Molders, Shapers, and Casters, Except Metal and Plastic	1	44	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5191XX	Other Production Workers, Including Semiconductor Processors and Cooling and Freezing Equipment Operators	13	804	10.0%	32.8%	3.9%	41.9%	0.0%	11.4%	0.0%	0.0%	0.0%
Transportation and Material Moving Occupations												
531000	Supervisors of Transportation and Material Moving Workers	5	208	0.0%	17.3%	14.2%	30.8%	37.7%	0.0%	0.0%	0.0%	0.0%
532010	Aircraft Pilots and Flight Engineers	6	363	0.0%	0.0%	0.0%	0.0%	0.0%	31.7%	68.3%	0.0%	0.0%
532020	Air Traffic Controllers and Airfield Operations Specialists	4	159	0.0%	0.0%	0.0%	0.0%	26.7%	45.0%	28.3%	0.0%	0.0%
532031	Flight Attendants	4	145	20.3%	26.2%	0.0%	0.0%	0.0%	53.4%	0.0%	0.0%	0.0%
533020	Bus Drivers	43	2,639	3.3%	59.6%	4.7%	22.3%	0.0%	10.1%	0.0%	0.0%	0.0%
533030	Driver/Sales Workers and Truck Drivers	70	4,227	22.2%	32.9%	1.6%	22.8%	3.9%	15.7%	0.8%	0.0%	0.0%
533041	Taxi Drivers and Chauffeurs	66	3,668	7.5%	33.4%	6.9%	15.0%	5.2%	21.6%	5.5%	4.9%	0.0%
533099	Motor Vehicle Operators, All Other	2	173	15.0%	85.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
534010	Locomotive Engineers and Operators	11	752	0.0%	57.6%	0.0%	27.1%	0.0%	15.3%	0.0%	0.0%	0.0%
534031	Railroad Conductors and Yardmasters	5	176	0.0%	40.3%	0.0%	19.9%	23.6%	16.2%	0.0%	0.0%	0.0%
5340XX	Subway, Streetcar, and Other Rail Transportation Workers	3	116	27.6%	25.9%	0.0%	0.0%	0.0%	46.6%	0.0%	0.0%	0.0%
535020	Ship and Boat Captains and Operators	1	53	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
5350XX	Sailors and Marine Oilers, and Ship Engineers	2	87	0.0%	0.0%	0.0%	0.0%	0.0%	50.3%	49.7%	0.0%	0.0%
536021	Parking Lot Attendants	25	1,926	23.3%	44.9%	0.0%	8.6%	5.0%	3.0%	0.0%	0.0%	15.2%

536031	Automotive and Watercraft Service Attendants	2	206	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
536051	Transportation Inspectors	9	406	0.0%	28.6%	0.0%	0.0%	0.0%	50.5%	20.9%	0.0%	0.0%
536061	Transportation Attendants, Except Flight Attendants	11	695	12.7%	87.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5360XX	Miscellaneous Transportation Workers, Including Bridge and Lock Tenders and Traffic Technicians	3	140	0.0%	46.8%	0.0%	38.9%	0.0%	14.3%	0.0%	0.0%	0.0%
537021	Crane and Tower Operators	1	57	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537030	Dredge, Excavating, and Loading Machine Operators	1	11	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537051	Industrial Truck and Tractor Operators	3	383	0.0%	92.7%	0.0%	7.3%	0.0%	0.0%	0.0%	0.0%	0.0%
537061	Cleaners of Vehicles and Equipment	6	425	9.4%	30.4%	21.2%	34.1%	4.9%	0.0%	0.0%	0.0%	0.0%
537062	Laborers and Freight, Stock, and Material Movers, Hand	52	3,009	16.1%	45.3%	4.0%	24.9%	4.0%	4.6%	1.0%	0.0%	0.0%
537063	Machine Feeders and Offbearers	1	23	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537064	Packers and Packagers, Hand	1	12	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537081	Refuse and Recyclable Material Collectors	1	38	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5371XX	Miscellaneous Material Moving Workers, Including Shuttle Car Operators, and Tank Car, Truck, and Ship Loaders	1	177	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Military Specific Occupations												
551010	Military Officer Special and Tactical Operations Leaders	7	350	0.0%	9.4%	0.0%	0.0%	0.0%	10.7%	69.0%	10.9%	0.0%
552010	First-Line Enlisted Military Supervisors	18	829	0.0%	2.8%	8.0%	10.4%	32.0%	21.2%	20.9%	4.8%	0.0%
553010	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members	12	866	0.0%	29.2%	43.5%	9.9%	0.0%	7.0%	10.3%	0.0%	0.0%
559830	Military, Rank Not Specified	68	2,992	0.0%	11.2%	0.0%	32.6%	7.1%	17.0%	28.9%	0.0%	3.1%

Note: Estimated employment and educational attainment for each occupation are the 2010-2011 2-year averages, but the number of survey observations for each occupation is the total for these 2 years.

Data Source: U.S. Census Bureau, 2010-2011 American Community Survey microdata

Table Source: District of Columbia Department of Employment Services, Office of Labor Market Research and Information

Table 2: Educational attainment of people working in District of Columbia by detailed occupation, 2005-2009

ACS SOC ACS SOC Occupational title		Survey obser- vations	Employ- ment	Educational Attainment								
				Less than high school diploma	High school diploma or equivalent	Less than 1 year of college, no degree	1 or more years of college, no degree	Associate degree	Bachelor's degree	Master's degree	Professional degree	Doctoral degree
Management Occupations												
111021	General and Operations Managers	387	7,234	0.6%	7.1%	2.3%	8.3%	5.8%	37.7%	26.3%	6.5%	5.3%
1110XX	Chief Executives and Legislators	472	8,369	0.4%	2.1%	0.3%	5.1%	1.4%	40.1%	29.4%	12.4%	8.8%
112011	Advertising and Promotions Managers	28	482	0.0%	0.0%	0.0%	6.6%	4.3%	71.5%	17.6%	0.0%	0.0%
112020	Marketing and Sales Managers	173	3,078	0.0%	2.4%	2.3%	6.9%	0.3%	56.7%	24.9%	5.2%	1.2%
112031	Public Relations Managers	89	1,522	0.0%	0.0%	1.0%	6.2%	3.3%	34.7%	39.6%	10.6%	4.7%
113011	Administrative Services Managers	96	1,677	0.0%	14.9%	11.3%	19.5%	10.5%	27.8%	12.2%	1.8%	1.9%
113021	Computer and Information Systems Managers	348	6,639	0.6%	2.2%	3.2%	10.1%	9.6%	40.3%	30.1%	2.8%	1.3%
113031	Financial Managers	467	8,933	0.9%	3.9%	4.9%	6.8%	4.6%	39.0%	33.7%	3.5%	2.7%
113040	Human Resources Managers	200	3,827	0.0%	7.0%	2.3%	12.7%	3.8%	36.5%	33.4%	2.7%	1.5%
113051	Industrial Production Managers	18	297	0.0%	0.0%	29.9%	6.1%	5.0%	46.3%	12.7%	0.0%	0.0%
113061	Purchasing Managers	119	2,257	0.6%	4.8%	5.2%	10.5%	6.1%	37.1%	25.8%	9.3%	0.7%
113071	Transportation, Storage, and Distribution Managers	58	1,372	1.3%	23.3%	2.7%	21.2%	8.5%	25.3%	17.1%	0.0%	0.6%
119011	Farm, Ranch, and Other Agricultural Managers	4	76	0.0%	30.9%	0.0%	0.0%	16.9%	52.2%	0.0%	0.0%	0.0%
119012	Farmers and Ranchers	3	53	0.0%	42.3%	0.0%	0.0%	0.0%	21.0%	0.0%	0.0%	36.7%
119021	Constructions Managers	139	2,877	4.7%	15.1%	9.4%	14.8%	4.6%	34.1%	15.5%	1.9%	0.0%
119030	Education Administrators	277	5,282	1.3%	4.3%	2.6%	8.5%	0.2%	22.4%	40.6%	6.2%	13.7%
119041	Architectural and Engineering Managers	45	729	0.0%	1.9%	0.0%	2.2%	3.0%	33.4%	48.1%	2.0%	9.4%
119051	Food Service Managers	145	3,390	11.1%	23.9%	5.4%	15.7%	6.9%	31.6%	5.5%	0.0%	0.0%
119061	Funeral Directors	7	140	0.0%	0.0%	0.0%	14.3%	45.4%	40.3%	0.0%	0.0%	0.0%
119081	Lodging Managers	30	681	1.9%	1.9%	5.9%	7.1%	7.1%	59.5%	16.7%	0.0%	0.0%

119111	Medical and Health Services Managers	165	3,255	2.7%	4.2%	1.1%	5.7%	3.9%	32.3%	31.9%	11.9%	6.3%
119121	Natural Science Managers	27	469	0.0%	0.0%	0.0%	0.0%	0.0%	14.9%	56.6%	0.0%	28.5%
119141	Property, Real Estate, and Community Association Managers	148	3,252	5.5%	17.6%	1.5%	20.9%	5.1%	27.8%	16.9%	4.7%	0.0%
119151	Social and Community Service Managers	520	9,254	1.9%	3.3%	0.8%	4.3%	2.0%	33.9%	40.7%	7.4%	5.7%
1191XX	Miscellaneous Managers, Including Postmasters and Mail Superintendents	2,261	42,424	0.8%	4.6%	2.3%	8.5%	3.4%	32.0%	35.4%	6.6%	6.4%
Business and Financial Operations Occupations												
131011	Agents and Business Managers of Artists, Performers, and Athletes	7	178	0.0%	16.8%	0.0%	0.0%	14.7%	51.4%	8.2%	0.0%	8.9%
131021	Buyers and Purchasing Agents, Farm Products	2	32	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
131022	Wholesale and Retail Buyers, Except Farm Products	14	288	0.0%	24.6%	9.5%	4.1%	18.4%	43.4%	0.0%	0.0%	0.0%
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	98	1,870	0.0%	8.8%	6.7%	12.2%	4.1%	42.3%	22.7%	2.2%	1.0%
131030	Claims Adjusters, Appraisers, Examiners, and Investigators	42	915	0.0%	12.4%	3.5%	19.4%	10.3%	34.2%	15.3%	5.0%	0.0%
131041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	144	2,954	0.3%	5.9%	2.0%	13.8%	3.4%	34.7%	25.7%	11.1%	3.1%
131051	Cost Estimators	10	150	0.0%	0.0%	16.8%	0.0%	0.0%	67.6%	0.0%	15.7%	0.0%
131070	Human Resources, Training, and Labor Relations Specialists	507	10,280	0.8%	9.8%	6.9%	12.5%	7.8%	37.9%	19.3%	3.9%	1.0%
131081	Logisticians	50	988	0.0%	18.3%	3.2%	5.2%	7.2%	34.6%	31.6%	0.0%	0.0%
131111	Management Analysts	744	13,888	0.1%	4.1%	2.0%	6.7%	3.2%	38.1%	35.0%	6.6%	4.2%
131121	Meeting and Convention Planners	89	1,776	0.0%	14.1%	2.4%	14.5%	6.9%	52.2%	6.4%	2.8%	0.7%
131XXX	Other Business Operations Specialists	285	5,007	0.1%	5.8%	3.7%	14.9%	4.9%	40.2%	23.1%	3.1%	4.2%
132011	Accountants and Auditors	965	19,075	0.1%	1.8%	0.7%	5.9%	5.6%	55.6%	25.8%	3.2%	1.3%
132021	Appraisers and Assessors of Real Estate	15	320	0.0%	6.6%	0.0%	14.5%	4.1%	15.5%	59.3%	0.0%	0.0%
132031	Budget Analysts	179	3,643	0.0%	5.1%	4.1%	8.1%	6.5%	37.6%	37.2%	0.0%	1.5%
132041	Credit Analysts	3	103	0.0%	0.0%	0.0%	0.0%	0.0%	55.2%	44.8%	0.0%	0.0%
132051	Financial Analysts	67	1,155	0.0%	2.7%	0.0%	4.9%	0.0%	52.0%	29.7%	9.3%	1.5%

132052	Personal Financial Advisors	154	3,176	1.7%	4.4%	1.0%	5.4%	2.8%	51.9%	25.2%	5.0%	2.7%
132053	Insurance Underwriters	14	257	0.0%	0.0%	11.3%	11.3%	7.5%	36.4%	19.0%	7.8%	6.8%
132061	Financial Examiners	9	182	0.0%	5.9%	0.0%	0.0%	0.0%	44.4%	39.8%	0.0%	9.9%
132070	Credit Counselors and Loan Officers	50	980	0.0%	2.7%	7.2%	5.9%	8.3%	39.2%	31.9%	4.8%	0.0%
132081	Tax Examiners and Collectors, and Revenue Agents	18	389	9.2%	3.3%	7.9%	12.7%	0.0%	23.3%	30.5%	0.0%	13.1%
132082	Tax Preparers	22	411	0.0%	26.6%	0.0%	3.4%	0.0%	17.2%	9.3%	43.5%	0.0%
132099	Financial Specialists, All Other	32	565	0.0%	0.0%	6.3%	7.0%	7.2%	37.0%	27.9%	8.7%	5.9%
Computer and Mathematical Occupations												
151021	Computer Programmers	189	3,911	0.0%	3.6%	2.4%	8.4%	7.9%	52.1%	24.3%	0.3%	1.0%
151030	Computer Software Engineers	474	9,069	0.0%	3.3%	3.7%	11.4%	3.3%	44.0%	28.8%	1.1%	4.4%
151041	Computer Support Specialists	240	4,477	0.0%	11.5%	9.2%	17.9%	7.4%	37.7%	15.1%	0.4%	0.9%
151061	Database Administrators	83	1,368	0.0%	0.0%	2.8%	11.3%	7.1%	46.8%	27.7%	0.0%	4.1%
151071	Network and Computer Systems Administrators	188	3,852	0.5%	8.4%	4.9%	22.4%	10.2%	37.4%	14.2%	0.5%	1.7%
151081	Network Systems and Data Communications Analysts	256	5,273	0.0%	8.1%	4.6%	17.3%	7.0%	46.7%	12.6%	2.2%	1.4%
1510XX	Computer Scientists and Systems Analyst	544	10,429	0.4%	4.1%	3.4%	14.7%	5.5%	45.2%	23.6%	0.7%	2.4%
152011	Actuaries	10	167	0.0%	0.0%	0.0%	0.0%	0.0%	63.3%	24.7%	11.9%	0.0%
152031	Operations Research Analysts	436	7,920	0.0%	2.8%	5.3%	5.7%	2.1%	32.0%	42.3%	5.2%	4.6%
1520XX	Miscellaneous Mathematical Science Occupations, Including Mathematicians and Statisticians	66	1,128	0.0%	0.0%	0.0%	4.0%	1.5%	30.5%	42.3%	0.0%	21.8%
Architecture and Engineering Occupations												
171010	Architects, Except Naval	155	2,816	0.0%	3.5%	0.5%	3.4%	0.5%	48.9%	30.1%	11.6%	1.5%
171020	Surveyors, Cartographers, and Photogrammetrists	14	241	0.0%	0.0%	0.0%	0.0%	0.0%	60.4%	39.6%	0.0%	0.0%
172011	Aerospace Engineers	16	289	0.0%	0.0%	0.0%	3.9%	0.0%	22.4%	59.0%	0.0%	14.6%
172051	Civil Engineers	87	1,603	0.0%	7.3%	0.9%	4.7%	4.7%	41.6%	33.2%	0.9%	6.7%
172061	Computer Hardware Engineers	22	449	0.0%	0.0%	2.6%	17.8%	6.1%	36.3%	37.2%	0.0%	0.0%
172070	Electrical and Electronics Engineers	64	1,326	0.0%	9.1%	0.0%	6.7%	6.6%	49.7%	19.4%	1.5%	7.0%
172081	Environmental Engineers	15	337	0.0%	0.0%	0.0%	0.0%	0.0%	26.8%	52.4%	0.0%	20.8%
1720XX	Biomedical and Agricultural Engineers	2	30	0.0%	0.0%	0.0%	0.0%	0.0%	48.0%	52.0%	0.0%	0.0%
172110	Industrial Engineers, Including Health and Safety	16	349	0.0%	0.0%	0.0%	15.8%	4.3%	20.1%	53.4%	0.0%	6.5%
172121	Marine Engineers and Naval Architects	9	156	0.0%	0.0%	0.0%	0.0%	0.0%	42.9%	31.2%	10.5%	15.4%

172131	Materials Engineers	2	52	0.0%	0.0%	0.0%	0.0%	0.0%	62.4%	0.0%	37.6%	0.0%
172141	Mechanical Engineers	20	414	0.0%	6.7%	0.0%	25.3%	8.5%	42.5%	11.8%	5.2%	0.0%
1721XX	Petroleum, Mining and Geological Engineers, Including Mining Safety Engineers	2	40	0.0%	0.0%	0.0%	0.0%	0.0%	51.0%	49.0%	0.0%	0.0%
1721YY	Miscellaneous Engineers, Including Nuclear Engineers	191	3,635	0.0%	4.1%	0.0%	1.5%	2.8%	46.0%	38.7%	1.7%	5.1%
173010	Drafters	16	325	0.0%	8.1%	6.6%	24.5%	14.8%	40.2%	5.7%	0.0%	0.0%
173020	Engineering Technicians, Except Drafters	76	1,395	0.0%	22.1%	7.5%	16.9%	23.7%	21.7%	8.0%	0.0%	0.0%
173031	Surveying and Mapping Technicians	6	156	0.0%	21.5%	40.5%	31.1%	0.0%	6.9%	0.0%	0.0%	0.0%
Life, Physical, and Social Science Occupations												
191010	Agricultural and Food Scientists	11	188	0.0%	0.0%	0.0%	9.7%	8.9%	36.0%	15.5%	7.8%	22.0%
191020	Biological Scientists	28	501	3.6%	0.0%	0.0%	6.0%	6.0%	33.5%	27.8%	0.0%	23.1%
191030	Conservation Scientists and Foresters	5	88	0.0%	0.0%	0.0%	0.0%	0.0%	30.5%	48.0%	21.5%	0.0%
191040	Medical Scientists	44	733	0.0%	0.0%	0.0%	0.0%	0.0%	12.7%	25.8%	15.8%	45.6%
192010	Astronomers and Physicists	23	362	0.0%	0.0%	0.0%	1.6%	0.0%	19.4%	29.8%	0.0%	49.2%
192021	Atmospheric and Space Scientists	6	166	0.0%	0.0%	0.0%	0.0%	0.0%	8.2%	52.8%	0.0%	39.0%
192030	Chemists and Materials Scientists	22	354	0.0%	0.0%	0.0%	5.3%	0.0%	33.2%	25.5%	0.0%	36.0%
192040	Environmental Scientists and Geoscientists	43	755	0.0%	0.0%	2.0%	0.0%	4.4%	24.0%	49.9%	2.3%	17.4%
192099	Physical Scientists, All Other	141	2,638	0.0%	0.5%	0.0%	0.0%	0.0%	26.8%	28.3%	1.7%	42.7%
193011	Economists	432	8,038	0.0%	0.8%	0.0%	0.0%	0.0%	14.0%	41.9%	2.3%	41.0%
193020	Market and Survey Researchers	84	1,647	0.4%	3.0%	1.3%	3.1%	0.7%	51.7%	31.9%	5.4%	2.4%
193030	Psychologists	83	1,476	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	29.1%	3.5%	67.4%
193051	Urban and Regional Planners	18	336	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	91.1%	4.9%	0.0%
1930XX	Miscellaneous Social Scientists, Including Sociologists	145	2,703	0.0%	0.0%	0.0%	1.2%	0.5%	33.1%	39.4%	3.5%	22.2%
194021	Biological Technicians	3	99	0.0%	54.4%	0.0%	0.0%	0.0%	15.5%	0.0%	0.0%	30.0%
194031	Chemical Technicians	4	100	0.0%	0.0%	0.0%	43.6%	0.0%	56.4%	0.0%	0.0%	0.0%
1940XX	Miscellaneous Life, Physical, and Social Science Technicians, Including Social Science Research Assistants and Nuclear Technicians	101	1,795	1.0%	4.9%	7.8%	19.6%	1.4%	40.3%	18.4%	2.8%	3.9%
Community and Social Service Occupations												
211010	Counselors	179	3,502	3.1%	14.0%	2.1%	13.3%	3.3%	26.2%	28.1%	6.3%	3.6%

211020	Social Workers	204	4,290	2.0%	3.4%	2.1%	4.5%	2.6%	28.9%	55.6%	0.5%	0.3%
211090	Miscellaneous Community and Social Service Specialists	160	3,237	4.9%	7.3%	3.4%	17.6%	2.4%	37.6%	18.4%	2.6%	5.8%
212011	Clergy	53	988	3.2%	10.7%	0.0%	1.2%	0.0%	20.2%	33.0%	13.7%	18.1%
212021	Directors, Religious Activities and Education	11	264	5.2%	0.0%	0.0%	0.0%	4.7%	53.3%	28.3%	8.6%	0.0%
212099	Religious Workers, All Other	26	511	1.7%	15.0%	0.0%	2.7%	0.0%	29.8%	38.0%	0.0%	12.7%
Legal Occupations												
2310XX	Lawyers, and Judges, Magistrates, and Other Judicial Workers	2,456	41,594	0.0%	0.1%	0.1%	0.2%	0.1%	1.8%	2.3%	90.1%	5.3%
232011	Paralegals and Legal Assistants	327	6,834	1.2%	8.3%	5.2%	11.7%	4.5%	54.8%	7.7%	6.0%	0.6%
232090	Miscellaneous Legal Support Workers	355	7,041	0.8%	5.8%	5.5%	9.5%	3.3%	42.6%	23.7%	7.0%	1.9%
Education, Training, and Library Occupations												
251000	Postsecondary Teachers	479	8,415	0.3%	0.4%	0.1%	1.7%	0.4%	16.0%	22.7%	9.4%	49.1%
252010	Preschool and Kindergarten Teachers	86	1,612	4.7%	24.8%	5.6%	22.7%	4.3%	24.8%	12.4%	0.8%	0.0%
252020	Elementary and Middle School Teachers	370	7,160	0.2%	0.7%	1.2%	4.5%	2.3%	39.0%	48.5%	1.2%	2.4%
252030	Secondary School Teachers	93	1,913	0.0%	4.8%	0.0%	3.6%	1.3%	39.3%	45.9%	2.0%	3.1%
252040	Special Education Teachers	24	544	0.0%	0.0%	0.0%	2.4%	2.7%	28.7%	52.1%	5.2%	8.8%
253000	Other Teachers and Instructors	224	4,205	0.4%	8.1%	3.1%	17.3%	5.0%	32.0%	26.7%	1.1%	6.4%
254010	Archivists, Curators, and Museum Technicians	99	1,575	0.0%	1.9%	0.8%	4.5%	0.0%	24.6%	47.7%	3.0%	17.5%
254021	Librarians	152	2,944	0.0%	1.3%	1.0%	5.6%	2.2%	19.3%	60.0%	6.8%	3.8%
254031	Library Technicians	58	1,089	6.7%	18.2%	3.2%	18.0%	8.5%	27.9%	17.5%	0.0%	0.0%
259041	Teacher Assistants	96	2,337	6.1%	45.3%	3.1%	24.1%	4.9%	13.2%	2.5%	0.0%	0.9%
2590XX	Other Education, Training, and Library Workers	34	650	2.5%	3.5%	0.0%	7.3%	8.2%	16.1%	45.6%	2.3%	14.5%
Arts, Design, Entertainment, Sports, and Media Occupations												
271010	Artists and Related Workers	57	1,037	0.3%	10.1%	1.5%	13.1%	6.4%	40.7%	23.2%	2.4%	2.3%
271020	Designers	209	3,883	1.4%	7.7%	3.8%	9.3%	7.3%	52.5%	15.1%	1.4%	1.5%
272011	Actors	14	371	0.0%	10.6%	18.6%	16.4%	0.0%	38.2%	16.2%	0.0%	0.0%
272012	Producers and Directors	130	2,555	1.0%	2.3%	1.9%	12.3%	2.2%	57.2%	16.0%	3.4%	3.7%
272020	Athletes, Coaches, Umpires, and Related Workers	27	596	0.0%	9.4%	3.3%	27.3%	2.2%	25.9%	25.1%	0.0%	6.7%
272030	Dancers and Choreographers	2	154	0.0%	27.2%	0.0%	72.8%	0.0%	0.0%	0.0%	0.0%	0.0%
272040	Musicians, Singers, and Related Workers	82	1,427	5.1%	14.9%	1.1%	13.7%	0.0%	24.3%	32.1%	2.8%	5.9%

272099	Entertainers and Performers, Sports and Related Workers, All Other	9	268	0.0%	13.1%	7.7%	31.0%	0.0%	23.9%	4.3%	20.0%	0.0%
273010	Announcers	39	857	0.0%	4.9%	1.9%	16.6%	5.3%	57.5%	12.0%	1.9%	0.0%
273020	News Analysts, Reporters and Correspondents	184	3,019	0.0%	0.5%	0.0%	4.3%	0.5%	64.0%	26.1%	3.5%	1.1%
273031	Public Relations Specialists	476	8,826	0.2%	2.5%	0.6%	3.7%	2.3%	55.0%	23.9%	9.9%	1.9%
273041	Editors	271	4,774	0.3%	0.9%	0.2%	3.4%	1.9%	53.0%	29.3%	4.9%	6.2%
273042	Technical Writers	57	1,116	0.0%	0.4%	2.7%	10.0%	5.0%	38.5%	29.7%	3.9%	9.7%
273043	Writers and Authors	255	4,792	0.0%	3.3%	0.4%	5.6%	3.1%	44.2%	29.4%	3.8%	10.2%
273090	Miscellaneous Media and Communication Workers	59	1,109	4.4%	6.4%	0.0%	17.8%	5.2%	27.3%	32.8%	2.8%	3.2%
274021	Photographers	53	1,162	0.0%	9.7%	1.9%	21.1%	7.1%	48.3%	11.9%	0.0%	0.0%
274030	Television, Video, and Motion Picture Camera Operators and Editors	27	537	0.0%	7.4%	0.0%	9.0%	3.9%	67.1%	9.4%	3.2%	0.0%
2740XX	Broadcast and Sound Engineering Technicians and Radio Operators, and Media and Communication Equipment Workers, All Other	54	958	0.0%	4.7%	6.4%	16.9%	15.8%	44.0%	12.1%	0.0%	0.0%
Healthcare Practitioners and Technical Occupations												
291011	Chiropractors	2	27	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
291020	Dentists	35	672	0.0%	0.0%	0.0%	0.0%	0.0%	12.8%	0.0%	74.5%	12.7%
291031	Dietitians and Nutritionists	21	480	3.8%	22.1%	0.0%	0.0%	0.0%	18.2%	55.8%	0.0%	0.0%
291041	Optometrists	7	134	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	63.5%	36.5%
291051	Pharmacists	23	390	0.0%	0.0%	0.0%	3.9%	0.0%	42.5%	7.8%	33.7%	12.1%
291060	Physicians and Surgeons	360	6,717	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	3.4%	80.9%	15.1%
291071	Physician Assistants	20	495	1.7%	15.3%	3.8%	7.1%	0.0%	36.7%	19.4%	6.0%	10.1%
291081	Podiatrists	3	44	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
291111	Registered Nurses	506	9,609	0.4%	0.9%	0.7%	2.9%	25.6%	49.1%	17.4%	3.0%	0.0%
291121	Audiologists	6	134	0.0%	0.0%	0.0%	0.0%	0.0%	26.0%	25.3%	0.0%	48.7%
291122	Occupational Therapists	17	292	0.0%	0.0%	0.0%	0.0%	0.0%	49.9%	40.3%	0.0%	9.8%
291123	Physical Therapists	30	465	0.0%	0.0%	0.0%	3.2%	0.0%	27.2%	37.4%	25.4%	6.8%
291124	Radiation Therapists	2	32	0.0%	0.0%	0.0%	0.0%	55.6%	44.4%	0.0%	0.0%	0.0%
291125	Recreational Therapists	4	41	0.0%	31.7%	0.0%	0.0%	0.0%	51.7%	16.6%	0.0%	0.0%

291126	Respiratory Therapists	16	254	0.0%	0.0%	4.8%	11.9%	50.9%	27.4%	5.1%	0.0%	0.0%
291127	Speech Language Pathologists	19	360	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	92.5%	0.0%	7.5%
291129	Therapists, All Other	18	394	0.0%	12.7%	0.0%	0.0%	10.4%	34.1%	34.2%	7.4%	1.2%
291131	Veterinarians	10	179	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	94.7%	5.3%
291199	Health Diagnosing and Treating Practitioners, All Other	5	99	0.0%	16.1%	0.0%	0.0%	0.0%	12.3%	41.2%	30.4%	0.0%
292010	Clinical Laboratory Technologists and Technicians	65	1,355	2.9%	17.7%	5.0%	16.8%	11.5%	40.9%	3.8%	0.0%	1.4%
292021	Dental Hygienists	7	181	0.0%	0.0%	0.0%	37.9%	16.4%	45.7%	0.0%	0.0%	0.0%
292030	Diagnostic Related Technologists and Technicians	33	792	6.6%	0.0%	0.0%	22.0%	42.1%	13.0%	10.3%	2.0%	4.0%
292041	Emergency Medical Technicians and Paramedics	20	381	0.0%	28.0%	17.9%	35.6%	5.2%	10.0%	3.3%	0.0%	0.0%
292050	Health Diagnosing and Treating Practitioner Support Technicians	33	714	5.3%	11.4%	6.2%	28.3%	17.2%	31.5%	0.0%	0.0%	0.0%
292061	Licensed Practical and Licensed Vocational Nurses	73	1,662	1.8%	29.5%	11.6%	41.2%	7.4%	6.3%	1.3%	0.9%	0.0%
292071	Medical Records and Health Information Technicians	18	457	6.0%	43.7%	11.3%	20.9%	10.9%	2.8%	3.3%	0.0%	1.1%
292081	Opticians, Dispensing	2	68	0.0%	33.9%	0.0%	0.0%	66.1%	0.0%	0.0%	0.0%	0.0%
292090	Miscellaneous Health Technologists and Technicians	22	513	7.6%	35.9%	0.0%	8.1%	2.9%	31.2%	11.0%	3.4%	0.0%
299000	Other Healthcare Practitioners and Technical Occupations	30	670	0.0%	0.0%	0.0%	8.2%	3.8%	23.1%	53.7%	5.5%	5.7%
Healthcare Support Occupations												
311010	Nursing, Psychiatric, and Home Health Aides	239	5,774	17.2%	41.8%	8.8%	18.1%	3.3%	4.7%	2.9%	2.1%	1.1%
312020	Physical Therapist Assistants and Aides	1	24	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
319011	Massage Therapists	12	217	6.2%	8.2%	27.5%	31.9%	0.0%	18.2%	0.0%	8.0%	0.0%
319091	Dental Assistants	25	577	0.0%	26.0%	8.5%	32.7%	15.8%	8.0%	4.1%	4.8%	0.0%
31909X	Medical Assistants and Other Healthcare Support Occupations, Except Dental Assistants	59	1,408	2.1%	34.0%	11.2%	17.1%	19.0%	10.3%	4.0%	2.3%	0.0%
Protective Service Occupations												
331011	First-Line Supervisors of Correctional Officers	4	161	0.0%	0.0%	0.0%	68.3%	0.0%	0.0%	31.7%	0.0%	0.0%
331012	First-Line Supervisors of Police and Detectives	53	1,035	0.0%	12.5%	10.7%	24.4%	10.8%	27.8%	11.3%	1.3%	1.3%
331021	First-Line Supervisors of Fire Fighting and Prevention Workers	3	80	0.0%	0.0%	52.6%	24.8%	22.6%	0.0%	0.0%	0.0%	0.0%
331099	First-Line Supervisors of Protective Service Workers, All Other	58	1,217	7.0%	20.9%	1.0%	10.9%	4.3%	27.7%	20.4%	7.9%	0.0%

332011	Firefighters	74	2,096	1.2%	29.9%	9.0%	31.6%	14.5%	9.6%	1.7%	0.7%	1.9%
332020	Fire Inspectors	4	71	0.0%	0.0%	0.0%	21.0%	0.0%	79.0%	0.0%	0.0%	0.0%
333010	Bailiffs, Correctional Officers, and Jailers	32	842	0.0%	52.1%	2.1%	29.7%	5.4%	10.7%	0.0%	0.0%	0.0%
333021	Detectives and Criminal Investigators	171	3,438	0.0%	4.7%	3.7%	7.9%	7.7%	51.3%	17.3%	5.0%	2.3%
333050	Police Officers	374	8,580	1.8%	12.6%	10.2%	26.2%	9.6%	32.3%	6.4%	0.8%	0.2%
3330XX	Miscellaneous Law Enforcement Workers	9	254	0.0%	93.2%	0.0%	0.0%	0.0%	0.0%	0.0%	6.8%	0.0%
339021	Private Detectives and Investigators	71	1,489	0.0%	4.8%	0.8%	12.9%	2.9%	39.9%	28.2%	2.1%	8.5%
339030	Security Guards and Gaming Surveillance Officers	471	11,153	4.6%	34.3%	9.7%	19.5%	10.5%	15.3%	5.0%	1.0%	0.1%
339091	Crossing Guards	2	62	27.0%	73.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
33909X	Lifeguards and Other Protective Service Workers	7	120	19.3%	19.6%	45.8%	0.0%	15.3%	0.0%	0.0%	0.0%	0.0%
Food Preparation and Serving Related Occupations												
351011	Chefs and Head Cooks	78	1,674	12.1%	33.0%	5.8%	12.8%	21.5%	12.9%	0.0%	1.7%	0.0%
351012	First-Line Supervisors of Food Preparation and Serving Workers	89	1,836	18.9%	25.7%	5.6%	18.9%	8.7%	17.6%	2.5%	1.2%	0.9%
352010	Cooks	243	6,605	46.5%	27.5%	1.6%	8.5%	6.4%	4.6%	4.4%	0.5%	0.0%
352021	Food Preparation Workers	95	2,752	51.4%	27.0%	3.7%	6.1%	4.1%	5.2%	2.5%	0.0%	0.0%
353011	Bartenders	57	1,380	2.3%	25.0%	7.7%	33.5%	6.8%	22.9%	1.8%	0.0%	0.0%
353021	Combined Food Preparation and Serving Workers, Including Fast Food	10	247	40.1%	53.4%	0.0%	0.0%	0.0%	6.5%	0.0%	0.0%	0.0%
353022	Counter Attendant, Cafeteria, Food Concession, and Coffee Shop	13	345	30.8%	34.9%	0.0%	8.9%	9.7%	0.0%	6.6%	0.0%	9.2%
353031	Waiters and Waitresses	244	5,905	19.1%	25.7%	5.0%	21.6%	6.3%	19.8%	2.2%	0.3%	0.0%
353041	Food Servers, Nonrestaurant	32	858	25.0%	32.9%	2.1%	11.6%	1.6%	26.8%	0.0%	0.0%	0.0%
359021	Dishwashers	32	1,204	74.6%	17.2%	0.0%	2.5%	0.0%	5.7%	0.0%	0.0%	0.0%
359031	Host and Hostesses, Restaurant, Lounge, and Coffee Shop	26	811	4.0%	20.6%	9.0%	17.0%	7.7%	37.7%	4.1%	0.0%	0.0%
3590XX	Miscellaneous Food Preparation and Serving Related Workers, Including Dining Room and Cafeteria Attendants and Bartender Helpers	53	1,263	38.5%	35.8%	1.1%	13.5%	3.9%	4.7%	2.5%	0.0%	0.0%
Building and Grounds Cleaning and Maintenance Occupations												

371011	First-Line Supervisors of Housekeeping and Janitorial Workers	43	1,019	22.4%	31.5%	10.5%	7.2%	3.2%	23.5%	1.6%	0.0%	0.0%
371012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	15	284	13.1%	27.8%	9.0%	15.6%	0.0%	34.5%	0.0%	0.0%	0.0%
372012	Maids and Housekeeping Cleaners	283	6,617	49.1%	35.7%	2.0%	6.0%	2.7%	4.4%	0.2%	0.0%	0.0%
37201X	Janitors and Building Cleaners	389	9,836	45.1%	41.7%	2.4%	5.4%	2.9%	1.9%	0.5%	0.1%	0.0%
372021	Pest Control Workers	4	53	25.0%	54.9%	0.0%	0.0%	0.0%	0.0%	20.1%	0.0%	0.0%
373010	Grounds Maintenance Workers	63	1,743	39.5%	34.5%	0.9%	9.4%	1.0%	14.4%	0.2%	0.0%	0.0%
Personal Care and Service Occupations												
391010	First-Line Supervisors of Gaming Workers	7	138	10.1%	23.6%	0.0%	49.6%	0.0%	16.8%	0.0%	0.0%	0.0%
391021	First-Line Supervisors of Personal Service Workers	18	344	5.1%	20.3%	0.0%	16.3%	9.9%	41.9%	0.9%	5.5%	0.0%
392011	Animal Trainers	7	125	0.0%	28.3%	0.0%	36.6%	7.5%	8.7%	0.0%	18.9%	0.0%
392021	Nonfarm Animal Caretakers	23	428	7.5%	5.1%	1.0%	37.0%	8.6%	34.3%	0.0%	5.7%	0.7%
393031	Ushers, Lobby Attendants, and Ticket Takers	16	279	5.4%	5.9%	6.3%	45.5%	0.0%	26.5%	4.2%	6.2%	0.0%
393090	Miscellaneous Entertainment Attendants and Related Workers	15	374	26.6%	31.3%	16.1%	9.2%	0.0%	16.7%	0.0%	0.0%	0.0%
394000	Funeral Service Workers	1	57	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
395011	Barbers	12	349	19.4%	32.3%	20.7%	0.0%	12.8%	14.9%	0.0%	0.0%	0.0%
395012	Hairdressers, Hairstylists, and Cosmetologists	69	1,538	13.1%	44.8%	2.7%	17.4%	4.9%	13.3%	3.7%	0.0%	0.0%
395090	Miscellaneous Personal Appearance Workers	32	633	36.3%	40.1%	0.0%	9.3%	4.6%	9.7%	0.0%	0.0%	0.0%
396010	Baggage Porters, Bellhops, and Concierges	24	577	15.3%	34.1%	3.4%	7.4%	5.8%	21.8%	12.1%	0.0%	0.0%
396020	Tour and Travel Guides	29	532	8.9%	14.2%	4.0%	30.4%	0.0%	33.9%	4.8%	3.8%	0.0%
396030	Transportation Attendants	25	555	20.4%	30.5%	0.0%	26.7%	0.0%	15.6%	4.8%	0.0%	2.1%
399011	Childcare Workers	151	3,396	21.2%	29.0%	6.3%	20.8%	5.0%	14.4%	2.8%	0.4%	0.0%
399021	Personal Care Aides	50	1,436	20.3%	28.0%	7.1%	12.2%	3.9%	12.9%	0.9%	14.7%	0.0%
399030	Recreation and Fitness Workers	55	1,263	3.3%	12.8%	0.8%	9.5%	11.8%	35.6%	20.1%	1.2%	5.0%
399041	Residential Advisors	21	515	15.0%	32.6%	3.4%	30.9%	0.0%	18.1%	0.0%	0.0%	0.0%
399099	Personal Care and Service Workers, All Other	29	611	10.8%	11.8%	29.0%	6.4%	15.9%	17.9%	5.8%	2.4%	0.0%
Sales and Related Occupations												
411011	First-Line Supervisors of Retail Sales Workers	216	4,599	4.3%	24.7%	9.3%	12.2%	7.7%	32.9%	6.5%	1.6%	0.9%

411012	First-Line Supervisors of Non-Retail Sales	145	2,945	2.6%	18.0%	3.2%	10.1%	6.1%	32.0%	23.9%	2.7%	1.6%
412010	Cashiers	232	5,248	24.6%	35.5%	5.9%	14.0%	1.9%	13.9%	3.7%	0.2%	0.3%
412021	Counter and Rental Clerks	12	506	14.0%	27.5%	0.0%	45.7%	0.0%	12.7%	0.0%	0.0%	0.0%
412022	Parts Salespersons	1	34	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
412031	Retail Salespersons	212	4,874	5.9%	26.1%	5.9%	21.0%	4.7%	28.5%	6.6%	0.4%	0.9%
413011	Advertising Sales Agents	52	963	0.0%	3.1%	0.0%	14.8%	4.1%	66.4%	9.9%	1.7%	0.0%
413021	Insurance Sales Agents	44	895	2.6%	3.5%	8.0%	23.7%	11.9%	35.0%	15.2%	0.0%	0.0%
413031	Securities, Commodities, and Financial Services Sales Agents	52	1,020	0.0%	3.0%	4.1%	3.2%	1.6%	36.1%	35.6%	9.8%	6.5%
413041	Travel Agents	26	600	7.2%	17.2%	11.4%	6.4%	12.3%	16.9%	28.6%	0.0%	0.0%
413099	Sales Representatives, Services, All Other	90	1,614	2.7%	5.4%	3.4%	7.2%	4.4%	56.6%	19.1%	1.2%	0.0%
414010	Sales Representatives, Wholesale and Manufacturing	91	1,854	10.1%	12.5%	6.1%	7.5%	5.2%	42.9%	14.4%	1.2%	0.0%
419010	Models, Demonstrators, and Product Promoters	3	49	20.6%	0.0%	0.0%	0.0%	0.0%	79.4%	0.0%	0.0%	0.0%
419020	Real Estate Brokers and Sales Agents	151	2,744	3.4%	6.4%	1.0%	13.3%	4.6%	43.7%	21.0%	5.3%	1.3%
419031	Sales Engineers	2	32	0.0%	0.0%	0.0%	0.0%	0.0%	43.8%	56.3%	0.0%	0.0%
419041	Telemarketers	8	162	5.8%	14.2%	0.0%	60.1%	0.0%	7.4%	12.5%	0.0%	0.0%
419091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	22	447	16.9%	25.7%	3.3%	19.3%	7.7%	27.1%	0.0%	0.0%	0.0%
419099	Sales and Related Workers, All Other	150	2,704	2.3%	0.0%	1.0%	8.1%	2.8%	58.9%	22.8%	3.6%	0.5%
Office and Administrative Support Occupations												
431011	First-Line Supervisors of Office and Administrative Support Workers	684	13,709	1.0%	14.0%	3.6%	15.7%	4.7%	32.7%	23.0%	3.4%	2.0%
432011	Switchboard Operators, Including Answering Service	10	274	0.0%	49.3%	15.7%	23.9%	11.1%	0.0%	0.0%	0.0%	0.0%
432021	Telephone Operators	4	62	48.4%	0.0%	0.0%	25.6%	0.0%	26.0%	0.0%	0.0%	0.0%
432099	Communications Equipment Operators, All Other	12	238	0.0%	9.2%	0.0%	24.7%	11.5%	26.0%	28.6%	0.0%	0.0%
433011	Bill and Account Collectors	19	415	16.9%	34.6%	11.0%	10.0%	0.0%	6.5%	12.5%	8.4%	0.0%
433021	Billing and Posting Clerks	48	905	7.6%	27.7%	6.2%	18.8%	10.6%	13.6%	10.7%	1.4%	3.3%
433031	Bookkeeping, Accounting, and Auditing Clerks	253	5,125	1.5%	21.5%	10.2%	35.6%	9.2%	17.3%	4.0%	0.0%	0.7%
433051	Payroll and Timekeeping Clerks	29	601	0.0%	34.1%	3.7%	30.8%	0.0%	24.4%	7.1%	0.0%	0.0%
433061	Procurement Clerks	22	467	0.0%	23.0%	5.1%	30.6%	3.4%	11.8%	22.3%	0.0%	3.9%

433071	Tellers	33	885	8.9%	35.4%	3.8%	33.1%	1.6%	12.2%	5.0%	0.0%	0.0%
434011	Brokerage Clerks	3	57	0.0%	0.0%	74.3%	0.0%	0.0%	25.7%	0.0%	0.0%	0.0%
434031	Court, Municipal, and License Clerks	22	522	0.0%	11.9%	3.5%	2.7%	2.8%	57.1%	13.0%	9.0%	0.0%
434041	Credit Authorizers, Checkers, and Clerks	5	118	0.0%	38.9%	0.0%	27.4%	0.0%	22.8%	10.8%	0.0%	0.0%
434051	Customer Service Representatives	239	5,096	3.6%	21.2%	7.8%	16.4%	10.7%	32.7%	7.0%	0.3%	0.3%
434061	Eligibility Interviewers, Government Programs	14	284	0.0%	40.3%	0.0%	29.2%	0.0%	4.1%	18.0%	8.4%	0.0%
434071	File Clerks	113	2,596	5.2%	37.3%	5.4%	20.9%	6.8%	20.2%	2.8%	1.2%	0.2%
434081	Hotel, Motel, and Resort Desk Clerks	17	433	16.4%	15.9%	10.1%	39.8%	3.7%	14.2%	0.0%	0.0%	0.0%
434111	Interviewers, Except Eligibility and Loan	32	734	11.0%	20.4%	1.7%	32.2%	5.0%	17.1%	9.4%	1.6%	1.7%
434121	Library Assistants, Clerical	30	702	0.0%	20.7%	9.7%	21.2%	7.4%	27.0%	12.4%	0.0%	1.6%
434131	Loan Interviewers and Clerks	9	267	0.0%	45.9%	0.0%	3.7%	4.3%	19.2%	26.9%	0.0%	0.0%
434141	New Account Clerks	2	53	0.0%	31.4%	0.0%	0.0%	0.0%	68.6%	0.0%	0.0%	0.0%
434161	Human Resources Assistants, Except Payroll and Timekeeping	39	879	1.9%	18.0%	9.8%	30.1%	3.8%	19.2%	17.1%	0.0%	0.0%
434171	Receptionists and Information Clerks	204	4,149	6.3%	28.2%	13.9%	23.5%	4.4%	18.3%	3.6%	0.3%	1.4%
434181	Reservation and Transportation Ticket Agents and Travel Clerks	24	392	3.9%	31.6%	0.0%	9.2%	9.7%	34.2%	11.4%	0.0%	0.0%
434199	Information and Record Clerks, All Other	19	411	7.2%	25.2%	18.2%	25.7%	0.0%	10.6%	13.1%	0.0%	0.0%
434XX	Correspondent Clerks and Order Clerks	40	795	2.8%	30.7%	0.0%	17.9%	4.9%	38.3%	4.6%	0.8%	0.0%
435021	Couriers and Messengers	53	1,216	22.3%	29.4%	3.4%	27.9%	0.0%	9.6%	4.0%	2.1%	1.2%
435030	Dispatchers	44	1,075	9.0%	35.9%	12.9%	19.5%	11.5%	8.8%	2.4%	0.0%	0.0%
435041	Meter Readers, Utilities	3	58	0.0%	70.5%	0.0%	29.5%	0.0%	0.0%	0.0%	0.0%	0.0%
435051	Postal Service Clerks	45	1,037	11.1%	52.8%	5.9%	20.2%	0.0%	7.4%	1.4%	1.2%	0.0%
435052	Postal Service Mail Carriers	51	1,143	8.6%	42.6%	9.9%	28.6%	2.2%	3.8%	4.3%	0.0%	0.0%
435053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	17	330	35.7%	39.6%	5.5%	19.1%	0.0%	0.0%	0.0%	0.0%	0.0%
435061	Production, Planning, and Expediting Clerks	71	1,254	2.4%	11.6%	1.7%	8.7%	5.5%	54.1%	14.1%	2.0%	0.0%
435071	Shipping, Receiving, and Traffic Clerks	20	383	20.4%	47.5%	0.0%	18.2%	4.3%	0.0%	3.8%	5.7%	0.0%
435081	Stock Clerks and Order Fillers	71	1,770	13.0%	32.8%	9.8%	25.4%	0.0%	18.3%	0.8%	0.0%	0.0%

435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	4	67	39.0%	18.6%	0.0%	24.6%	0.0%	17.7%	0.0%	0.0%	0.0%
436010	Secretaries and Administrative Assistants	1,321	27,069	2.8%	25.3%	9.1%	24.0%	8.9%	23.8%	5.0%	0.9%	0.2%
439011	Computer Operators	45	856	0.0%	32.5%	6.7%	24.2%	10.3%	22.3%	4.0%	0.0%	0.0%
439021	Data Entry Keyers	89	1,876	0.7%	43.1%	8.8%	18.6%	4.6%	18.2%	6.1%	0.0%	0.0%
439022	Word Processors and Typists	140	2,991	1.6%	23.7%	6.5%	25.9%	14.7%	19.8%	6.5%	1.3%	0.0%
439041	Insurance Claims and Policy Processing Clerks	26	726	0.0%	47.5%	2.6%	24.5%	2.6%	14.9%	6.7%	1.3%	0.0%
439051	Mail Clerks and Mail Machine Operators, Except Postal Service	63	1,493	8.3%	47.9%	6.3%	21.8%	6.8%	8.9%	0.0%	0.0%	0.0%
439061	Office Clerks, General	340	7,667	4.1%	25.1%	9.5%	31.0%	5.8%	16.7%	6.9%	0.7%	0.2%
439071	Office Machine Operators, Except Computer	30	637	9.2%	48.9%	8.0%	13.3%	2.7%	17.9%	0.0%	0.0%	0.0%
439081	Proofreaders and Copy Markers	10	214	0.0%	21.6%	0.0%	28.7%	9.8%	18.1%	0.0%	6.8%	14.9%
439111	Statistical Assistants	22	463	0.0%	14.8%	8.0%	11.2%	14.0%	34.4%	11.1%	6.5%	0.0%
439XX	Miscellaneous Office and Administrative Support Workers, Including Desktop Publishers	297	6,264	2.5%	18.3%	3.4%	14.4%	3.7%	42.9%	12.7%	0.8%	1.3%
Farming, Fishing, and Forestry Occupations												
451010	First-Line Supervisors/Managers/Contractors of Farming, Fishing, and Forestry Workers	1	15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
452011	Agricultural Inspectors	2	30	0.0%	0.0%	24.8%	0.0%	75.2%	0.0%	0.0%	0.0%	0.0%
4520XX	Miscellaneous Agricultural Workers, Including Animal Breeders	5	239	5.2%	94.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
454011	Forest and Conservation Workers	3	52	43.3%	29.5%	0.0%	0.0%	0.0%	0.0%	27.2%	0.0%	0.0%
454020	Logging Workers	2	36	44.7%	55.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Construction and Extraction Occupations												
471011	First-Line Supervisors of Construction Trades and Extraction Workers	125	2,690	17.3%	34.4%	6.9%	19.1%	2.8%	13.9%	5.5%	0.0%	0.0%
472011	Boilermakers	3	95	15.2%	72.2%	0.0%	0.0%	0.0%	12.7%	0.0%	0.0%	0.0%
472020	Brickmasons, Blockmasons, and Stonemasons	21	508	77.2%	15.8%	0.0%	4.4%	0.0%	2.6%	0.0%	0.0%	0.0%
472031	Carpenters	150	3,528	34.9%	32.6%	7.2%	9.7%	8.6%	5.4%	1.2%	0.4%	0.0%
472040	Carpet, Floor, and Tile Installers and Finishers	24	741	37.8%	39.6%	5.9%	7.6%	2.9%	6.2%	0.0%	0.0%	0.0%

472050	Cement Masons, Concrete Finishers, and Terrazzo Workers	16	332	60.1%	10.3%	4.5%	20.6%	0.0%	0.0%	4.6%	0.0%	0.0%
472061	Construction Laborers	153	4,512	54.2%	26.5%	5.4%	5.1%	2.9%	5.3%	0.4%	0.3%	0.0%
472071	Paving, Surfacing, and Tamping Equipment Operators	1	59	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
47207X	Construction Equipment Operators, Except Paving, Surfacing, and Tamping Equipment Operators	25	560	20.3%	50.9%	11.7%	14.7%	0.0%	0.0%	2.4%	0.0%	0.0%
472080	Drywall Installers, Ceiling Tile Installers, and Tapers	29	758	49.1%	24.6%	0.0%	13.1%	5.3%	0.0%	7.9%	0.0%	0.0%
472111	Electricians	139	3,197	10.6%	48.2%	9.7%	13.5%	7.8%	7.6%	0.0%	2.6%	0.0%
472121	Glaziers	5	151	0.0%	90.6%	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472130	Insulation Workers	5	148	22.3%	77.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472141	Painters, Construction and Maintenance	85	2,444	43.6%	23.1%	1.6%	17.1%	8.7%	2.3%	0.7%	0.6%	2.4%
472142	Paperhangers	1	21	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
472150	Pipelayers, Plumbers, Pipefitters, and Steamfitters	85	1,914	29.3%	42.5%	8.1%	15.1%	2.5%	2.4%	0.0%	0.0%	0.0%
472161	Plasterers and Stucco Masons	7	92	85.8%	4.4%	0.0%	0.0%	0.0%	9.8%	0.0%	0.0%	0.0%
472171	Reinforcing Iron and Rebar Workers	2	39	0.0%	69.5%	0.0%	30.5%	0.0%	0.0%	0.0%	0.0%	0.0%
472181	Roofers	11	354	25.4%	66.6%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472211	Sheet Metal Workers	9	203	65.4%	34.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
472221	Structural Iron and Steel Workers	10	196	4.8%	57.6%	0.0%	11.1%	0.0%	26.5%	0.0%	0.0%	0.0%
473010	Helpers, Construction Trades	12	257	29.8%	57.7%	0.0%	5.0%	7.5%	0.0%	0.0%	0.0%	0.0%
474011	Construction and Building Inspectors	14	258	0.0%	40.5%	11.5%	14.5%	7.7%	20.1%	5.7%	0.0%	0.0%
474021	Elevator Installers and Repairers	14	240	0.0%	65.9%	12.8%	5.3%	4.9%	11.0%	0.0%	0.0%	0.0%
474041	Hazardous Materials Removal Workers	4	70	39.7%	0.0%	0.0%	0.0%	42.9%	17.4%	0.0%	0.0%	0.0%
474051	Highway Maintenance Workers	4	122	88.3%	11.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
474061	Rail-Track Laying and Maintenance Equipment Operators	2	25	0.0%	53.5%	0.0%	46.5%	0.0%	0.0%	0.0%	0.0%	0.0%
4740XX	Miscellaneous Construction Workers, Including Septic Tank Servicers and Sewer Pipe Cleaners	2	33	0.0%	72.9%	0.0%	27.1%	0.0%	0.0%	0.0%	0.0%	0.0%
475021	Earth Drillers, Except Oil and Gas	1	15	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	1	24	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Installation, Maintenance, and Repair Occupations												

491011	First-Line Supervisors of Mechanics, Installers, and Repairers	37	646	16.3%	24.6%	6.2%	13.6%	5.0%	21.2%	13.1%	0.0%	0.0%
492011	Computer, Automated Teller, and Office Machine Repairers	65	1,375	0.0%	21.2%	11.3%	28.7%	11.1%	13.9%	12.5%	1.1%	0.0%
492020	Radio and Telecommunications Equipment Installers and Repairers	46	846	11.0%	23.6%	5.8%	29.1%	14.4%	14.7%	1.4%	0.0%	0.0%
492092	Electric Motor, Power Tool, and Related Repairers	6	146	0.0%	27.4%	0.0%	0.0%	72.6%	0.0%	0.0%	0.0%	0.0%
492097	Electronic Home Entertainment Equipment Installers and Repairers	3	40	0.0%	0.0%	53.3%	0.0%	46.7%	0.0%	0.0%	0.0%	0.0%
492098	Security and Fire Alarm Systems Installers	5	186	7.7%	8.4%	0.0%	26.3%	57.6%	0.0%	0.0%	0.0%	0.0%
49209X	Electrical and Electronics Repairers, Transportation Equipment, and Industrial and Utility	4	63	0.0%	23.3%	0.0%	44.2%	0.0%	32.5%	0.0%	0.0%	0.0%
493011	Aircraft Mechanics and Service Technicians	3	51	0.0%	29.2%	38.5%	0.0%	0.0%	32.3%	0.0%	0.0%	0.0%
493021	Automotive Body and Related Repairers	5	154	71.5%	28.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
493023	Automotive Service Technicians and Mechanics	30	586	34.6%	46.9%	1.5%	8.9%	4.0%	1.7%	2.4%	0.0%	0.0%
493031	Bus and Truck Mechanics and Diesel Engine Specialists	35	660	6.6%	56.3%	2.6%	10.8%	18.0%	2.6%	3.1%	0.0%	0.0%
493040	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	12	208	17.5%	38.2%	8.8%	6.6%	17.7%	0.0%	11.2%	0.0%	0.0%
493050	Small Engine Mechanics	2	49	0.0%	0.0%	40.1%	0.0%	0.0%	59.9%	0.0%	0.0%	0.0%
493090	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	3	115	0.0%	66.7%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%
499010	Control and Valve Installers and Repairers	4	75	0.0%	29.2%	22.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	33	761	21.9%	44.9%	9.7%	19.3%	2.0%	2.2%	0.0%	0.0%	0.0%
499042	Maintenance and Repair Workers, General	46	1,051	19.3%	44.4%	13.6%	5.8%	3.2%	13.7%	0.0%	0.0%	0.0%
49904X	Industrial and Refractory Machinery Mechanic	10	164	20.4%	28.4%	0.0%	51.2%	0.0%	0.0%	0.0%	0.0%	0.0%
499051	Electrical Power-Line Installers and Repairers	8	211	0.0%	33.7%	15.8%	50.5%	0.0%	0.0%	0.0%	0.0%	0.0%
499052	Telecommunications Line Installers and Repairers	19	312	0.0%	41.4%	6.7%	26.3%	10.6%	10.2%	4.8%	0.0%	0.0%
499060	Precision Instrument and Equipment Repairers	8	133	0.0%	0.0%	0.0%	35.5%	36.9%	17.8%	9.8%	0.0%	0.0%

499091	Coin, Vending, and Amusement Machine Servicers and Repairers	4	61	46.9%	53.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
499094	Locksmiths and Safe Repairers	8	197	0.0%	28.2%	0.0%	36.6%	0.0%	35.2%	0.0%	0.0%	0.0%
499098	Helpers--Installation, Maintenance, and Repair Workers	2	44	0.0%	32.0%	0.0%	0.0%	0.0%	68.0%	0.0%	0.0%	0.0%
49909X	Other Installation, Maintenance, and Repair Workers, Including Commercial Divers, and Signal and Track Switch Repairers	13	437	7.2%	54.7%	6.7%	21.7%	0.0%	9.6%	0.0%	0.0%	0.0%
Production Occupations												
511011	First-Line Supervisors of Production and Operating Workers	54	1,120	11.2%	30.9%	5.6%	25.2%	2.2%	16.0%	7.5%	1.4%	0.0%
512020	Electrical, Electronics, and Electromechanical Assemblers	4	99	11.3%	52.8%	0.0%	22.2%	0.0%	0.0%	0.0%	13.7%	0.0%
512090	Miscellaneous Assemblers and Fabricators	13	342	26.7%	23.3%	12.9%	0.0%	15.7%	21.5%	0.0%	0.0%	0.0%
513011	Bakers	12	368	58.8%	19.5%	0.0%	5.6%	0.0%	16.1%	0.0%	0.0%	0.0%
513020	Butchers and Other Meat, Poultry, and Fish Processing Workers	9	305	36.6%	29.1%	0.0%	20.7%	6.4%	7.2%	0.0%	0.0%	0.0%
514010	Computer Control Programmers and Operators	1	14	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
514041	Machinists	4	88	0.0%	72.4%	0.0%	0.0%	27.6%	0.0%	0.0%	0.0%	0.0%
514050	Metal Furnace Operators, Tenders, Pourers, and Casters	1	13	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
514120	Welding, Soldering, and Brazing Workers	13	381	0.0%	41.9%	1.2%	56.9%	0.0%	0.0%	0.0%	0.0%	0.0%
514XXX	Miscellaneous Metal Workers and Plastic Workers, Including Milling and Planing Machine Setters, and Multiple Machine Tool Setters, and Lay-Out Workers	2	26	62.3%	37.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
515010	Bookbinders and Bindery Workers	4	98	0.0%	62.5%	0.0%	0.0%	0.0%	37.5%	0.0%	0.0%	0.0%
515021	Job Printers	30	756	0.0%	39.2%	12.2%	38.5%	0.0%	2.4%	7.6%	0.0%	0.0%
515022	Prepress Technicians and Workers	13	287	4.3%	37.2%	23.9%	4.5%	0.0%	30.1%	0.0%	0.0%	0.0%
515023	Printing Machine Operators	26	550	14.0%	50.2%	10.2%	19.0%	0.0%	6.7%	0.0%	0.0%	0.0%
516011	Laundry and Dry-Cleaning Workers	23	507	60.4%	23.2%	0.0%	13.9%	2.5%	0.0%	0.0%	0.0%	0.0%
516021	Pressers, Textile, Garment, and Related Materials	4	82	42.8%	57.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516031	Sewing Machine Operators	3	106	25.9%	0.0%	0.0%	0.0%	30.1%	0.0%	44.0%	0.0%	0.0%
516041	Shoe and Leather Workers and Repairers	2	19	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

516042	Shoe Machine Operators and Tenders	1	18	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
516050	Tailors, Dressmakers, and Sewers	5	92	16.3%	54.2%	0.0%	0.0%	0.0%	29.4%	0.0%	0.0%	0.0%
516093	Upholsterers	2	40	67.7%	32.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
51609X	Miscellaneous Textile, Apparel, and Furnishings Workers, Except Upholsterers	1	11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
517021	Furniture Finishers	3	100	36.3%	44.6%	0.0%	19.1%	0.0%	0.0%	0.0%	0.0%	0.0%
517041	Sawing Machine Setters, Operators, and Tenders, Wood	1	83	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5170XX	Miscellaneous Woodworkers, Including Model Makers and Patternmakers	1	14	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
518010	Power Plant Operators, Distributors, and Dispatchers	2	38	0.0%	37.0%	0.0%	63.0%	0.0%	0.0%	0.0%	0.0%	0.0%
518021	Stationary Engineers and Boiler Operators	60	1,207	17.5%	34.3%	12.6%	18.3%	8.2%	8.0%	1.3%	0.0%	0.0%
518031	Water and Wastewater Treatment Plant and System Operators	6	98	15.2%	11.7%	0.0%	0.0%	17.6%	55.5%	0.0%	0.0%	0.0%
518090	Miscellaneous Plant and System Operators	1	19	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519010	Chemical Processing Machine Setters, Operators, and Tenders	1	17	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519020	Crushing, Grinding, Polishing, Mixing, and Blending Workers	1	8	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519030	Cutting Workers	1	40	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	48	825	11.1%	20.8%	5.5%	25.7%	6.3%	18.0%	12.5%	0.0%	0.0%
519071	Jewelers and Precious Stone and Metal Workers	3	56	0.0%	73.0%	0.0%	0.0%	0.0%	27.0%	0.0%	0.0%	0.0%
519080	Medical, Dental, and Ophthalmic Laboratory Technicians	9	202	0.0%	21.3%	0.0%	10.3%	21.0%	32.4%	0.0%	14.9%	0.0%
519111	Packaging and Filling Machine Operators and Tenders	4	105	12.7%	70.2%	17.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519120	Painting Workers	5	145	83.4%	7.2%	0.0%	9.5%	0.0%	0.0%	0.0%	0.0%	0.0%
519130	Photographic Process Workers and Processing Machine Operators	5	136	26.1%	20.3%	0.0%	0.0%	0.0%	0.0%	53.6%	0.0%	0.0%
519194	Etchers and Engravers	1	14	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519195	Molders, Shapers, and Casters, Except Metal and Plastic	1	12	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
519198	Helpers--Production Workers	4	79	57.6%	0.0%	16.5%	0.0%	25.9%	0.0%	0.0%	0.0%	0.0%

5191XX	Other Production Workers, Including Semiconductor Processors and Cooling and Freezing Equipment Operators	24	534	21.4%	36.2%	7.0%	16.5%	0.0%	11.7%	3.1%	4.2%	0.0%
Transportation and Material Moving Occupations												
531000	Supervisors of Transportation and Material Moving Workers	37	686	16.1%	35.9%	4.9%	18.3%	7.6%	8.9%	8.3%	0.0%	0.0%
532010	Aircraft Pilots and Flight Engineers	18	299	0.0%	0.0%	0.0%	0.0%	0.0%	68.2%	31.8%	0.0%	0.0%
532020	Air Traffic Controllers and Airfield Operations Specialists	10	202	0.0%	12.7%	4.2%	48.0%	7.8%	9.4%	17.9%	0.0%	0.0%
533020	Bus Drivers	90	2,355	3.2%	55.0%	7.4%	23.5%	3.3%	7.2%	0.4%	0.0%	0.0%
533030	Driver/Sales Workers and Truck Drivers	149	3,494	16.8%	32.6%	10.8%	21.0%	4.5%	11.2%	2.1%	1.0%	0.0%
533041	Taxi Drivers and Chauffeurs	134	3,341	11.5%	41.9%	5.9%	12.1%	11.3%	12.9%	2.2%	1.8%	0.3%
533099	Motor Vehicle Operators, All Other	6	206	60.3%	39.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
534010	Locomotive Engineers and Operators	13	268	0.0%	38.4%	0.0%	48.4%	5.8%	7.4%	0.0%	0.0%	0.0%
534031	Railroad Conductors and Yardmasters	13	457	0.0%	42.7%	7.0%	9.8%	37.2%	3.2%	0.0%	0.0%	0.0%
5340XX	Subway, Streetcar, and Other Rail Transportation Workers	6	210	0.0%	0.0%	7.7%	78.4%	13.9%	0.0%	0.0%	0.0%	0.0%
535020	Ship and Boat Captains and Operators	4	53	0.0%	34.2%	0.0%	0.0%	19.2%	0.0%	46.6%	0.0%	0.0%
5350XX	Sailors and Marine Oilers, and Ship Engineers	4	75	0.0%	0.0%	0.0%	0.0%	0.0%	40.5%	28.7%	0.0%	30.8%
536021	Parking Lot Attendants	42	1,076	16.0%	44.5%	3.0%	16.1%	4.6%	11.8%	4.0%	0.0%	0.0%
536031	Service Station Attendants	1	12	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
536051	Transportation Inspectors	12	197	7.7%	18.9%	0.0%	6.9%	4.0%	41.3%	21.3%	0.0%	0.0%
5360XX	Miscellaneous Transportation Workers, Including Bridge and Lock Tenders and Traffic Technicians	1	17	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537021	Crane and Tower Operators	6	149	0.0%	87.9%	0.0%	12.1%	0.0%	0.0%	0.0%	0.0%	0.0%
537030	Dredge, Excavating, and Loading Machine Operators	2	27	53.7%	46.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537051	Industrial Truck and Tractor Operators	10	317	44.0%	39.4%	4.4%	12.2%	0.0%	0.0%	0.0%	0.0%	0.0%
537061	Cleaners of Vehicles and Equipment	14	332	37.8%	40.9%	0.0%	21.3%	0.0%	0.0%	0.0%	0.0%	0.0%
537062	Laborers and Freight, Stock, and Material Movers, Hand	94	2,249	31.0%	43.4%	2.8%	10.5%	7.1%	3.2%	2.0%	0.0%	0.0%
537064	Packers and Packagers, Hand	9	254	8.3%	78.7%	0.0%	13.0%	0.0%	0.0%	0.0%	0.0%	0.0%
537081	Refuse and Recyclable Material Collectors	11	313	29.9%	55.6%	0.0%	9.1%	0.0%	5.4%	0.0%	0.0%	0.0%

5370XX	Conveyor Operators and Tenders, and Hoist and Winch Operators	1	20	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5371XX	Miscellaneous Material Moving Workers, Including Shuttle Car Operators, and Tank Car, Truck, and Ship Loaders	2	80	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Military Specific Occupations												
551010	Military Officer Special and Tactical Operations Leaders	45	850	0.0%	0.0%	0.0%	4.8%	0.0%	19.4%	59.1%	6.1%	10.6%
552010	First-Line Enlisted Military Supervisors	74	1,460	0.0%	17.5%	7.2%	9.1%	5.3%	29.3%	30.5%	0.0%	0.9%
553010	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members	35	910	8.0%	22.7%	13.8%	12.2%	0.0%	25.5%	16.1%	1.6%	0.0%
559830	Military, Rank Not Specified	119	2,384	0.0%	14.9%	8.8%	16.1%	7.2%	22.8%	26.5%	0.5%	3.2%

Note: Estimated employment and educational attainment for each occupation are the 2005-2009 5-year averages, but the number of survey observations for each occupation is the total for these 5 years.

Data Source: U.S. Census Bureau, 2005-2009 American Community Survey microdata

Table Source: District of Columbia Department of Employment Services, Office of Labor Market Research and Information

Table 3: Educational attainment of people working in District of Columbia by major occupational group, 2010-2011

ACS SOC Major occupational group		Survey obser- vations	Employ- ment	Educational Attainment								
				Less than high school diploma	High school diploma or equivalent	Less than 1 year of college, no degree	1 or more years of college, no degree	Associate degree	Bachelor's degree	Master's degree	Professional degree	Doctoral degree
000000	All Occupations	15,385	796,718	5.6%	13.0%	3.7%	12.4%	4.3%	28.7%	19.4%	8.6%	4.3%
110000	Management Occupations	2,607	128,151	1.0%	4.7%	2.4%	10.1%	3.0%	35.1%	33.6%	5.4%	4.7%
130000	Business and Financial Operations Occupations	1,614	79,964	0.7%	5.2%	2.6%	10.1%	2.9%	42.7%	30.1%	3.8%	2.0%
150000	Computer and Mathematical Occupations	1,068	58,443	0.8%	4.4%	4.3%	11.0%	6.4%	41.2%	27.6%	1.6%	2.8%
170000	Architecture and Engineering Occupations	265	13,614	0.6%	8.5%	3.1%	10.4%	3.8%	35.6%	31.0%	2.2%	4.8%
190000	Life, Physical, and Social Science Occupations	507	23,670	0.2%	1.4%	0.2%	1.6%	0.2%	19.9%	32.3%	4.3%	39.8%
210000	Community and Social Service Occupations	306	15,017	2.4%	4.3%	1.5%	8.4%	3.7%	33.7%	38.8%	3.5%	3.6%
230000	Legal Occupations	1,288	57,873	0.4%	2.0%	0.5%	3.5%	0.4%	12.6%	5.1%	71.6%	4.1%
250000	Education, Training, and Library Occupations	829	40,812	0.3%	3.7%	1.5%	4.9%	2.3%	29.4%	35.7%	4.1%	18.1%
270000	Arts, Design, Entertainment, Sports, and Media Occupations	753	36,298	0.7%	3.2%	0.7%	8.1%	3.1%	49.6%	27.0%	5.3%	2.1%
290000	Healthcare Practitioners and Technical Occupations	622	32,110	0.7%	4.8%	1.3%	8.6%	8.5%	30.7%	13.3%	24.7%	7.4%
310000	Healthcare Support Occupations	184	11,284	7.9%	38.6%	9.0%	26.2%	6.5%	7.8%	3.0%	0.5%	0.5%
330000	Protective Service Occupations	564	32,421	2.3%	24.6%	6.5%	18.9%	7.6%	26.3%	11.4%	2.1%	0.2%
350000	Food Preparation and Serving Related Occupations	431	26,621	26.1%	29.8%	5.7%	18.2%	4.3%	12.8%	1.8%	1.4%	0.0%
370000	Building and Grounds Cleaning and Maintenance Occupations	375	23,829	49.0%	32.0%	1.2%	9.7%	3.1%	4.1%	1.0%	0.0%	0.0%
390000	Personal Care and Service Occupations	307	16,542	12.9%	27.9%	6.9%	17.4%	6.8%	22.0%	4.9%	0.8%	0.4%
410000	Sales and Related Occupations	607	33,123	4.7%	20.7%	7.8%	17.9%	4.2%	33.4%	9.9%	1.1%	0.2%
430000	Office and Administrative Support Occupations	1,893	99,497	3.8%	19.4%	7.2%	22.5%	6.7%	28.0%	10.2%	1.1%	1.0%
450000	Farming, Fishing, and Forestry Occupations	9	586	62.2%	0.0%	0.0%	0.0%	0.0%	4.5%	20.6%	12.7%	0.0%
470000	Construction and Extraction Occupations	342	21,190	33.7%	34.7%	6.3%	11.8%	4.8%	7.5%	1.1%	0.0%	0.1%
490000	Installation, Maintenance, and Repair Occupations	180	9,735	9.1%	41.5%	9.1%	19.5%	9.1%	8.4%	2.6%	0.7%	0.0%
510000	Production Occupations	190	10,639	19.0%	33.8%	7.7%	19.7%	5.5%	11.9%	2.3%	0.0%	0.0%
530000	Transportation and Material Moving Occupations	339	20,270	12.1%	44.1%	3.5%	17.5%	3.7%	13.3%	3.4%	0.9%	1.4%
550000	Military Specific Occupations	105	5,037	0.0%	12.8%	8.8%	22.8%	9.5%	15.5%	27.2%	1.5%	1.9%

Note: Estimated employment and educational attainment for each occupational group are the 2010-2011 2-year averages, but the number of survey observations for each occupational group is the total for these 2 years.

Data Source: U.S. Census Bureau, 2010-2011 American Community Survey microdata

Table Source: District of Columbia Department of Employment Services, Office of Labor Market Research and Information

Table 4: Educational attainment of people working in District of Columbia by major occupational group, 2005-2009

ACS SOC	Major occupational group	Survey obser- vations	Employ- ment	Educational Attainment								
				Less than high school diploma	High school diploma or equivalent	Less than 1 year of college, no degree	1 or more years of college, no degree	Associate degree	Bachelor's degree	Master's degree	Professional degree	Doctoral degree
000000	All Occupations	36,009	725,196	6.1%	14.1%	4.0%	11.8%	5.0%	28.0%	18.0%	8.9%	4.1%
110000	Management Occupations	6,226	117,569	1.3%	5.7%	2.7%	8.8%	4.0%	34.7%	31.5%	6.0%	5.2%
130000	Business and Financial Operations Occupations	3,520	68,581	0.3%	5.5%	2.9%	8.7%	5.2%	44.0%	26.5%	4.6%	2.3%
150000	Computer and Mathematical Occupations	2,486	47,594	0.1%	5.0%	4.4%	12.9%	5.4%	41.9%	25.5%	1.6%	3.2%
170000	Architecture and Engineering Occupations	713	13,613	0.0%	6.5%	1.7%	6.8%	5.4%	41.6%	30.2%	3.5%	4.3%
190000	Life, Physical, and Social Science Occupations	1,193	21,980	0.2%	1.3%	0.8%	2.5%	0.6%	23.2%	35.7%	3.2%	32.5%
210000	Community and Social Service Occupations	633	12,790	3.2%	8.2%	2.2%	9.8%	2.5%	30.2%	35.6%	3.8%	4.5%
230000	Legal Occupations	3,138	55,470	0.3%	1.8%	1.4%	2.8%	1.0%	13.5%	5.7%	69.2%	4.3%
250000	Education, Training, and Library Occupations	1,715	32,445	1.1%	7.0%	1.4%	8.3%	2.6%	26.1%	33.7%	3.9%	16.0%
270000	Arts, Design, Entertainment, Sports, and Media Occupations	2,005	37,442	0.6%	4.3%	1.5%	8.6%	3.5%	49.8%	23.3%	4.7%	3.8%
290000	Healthcare Practitioners and Technical Occupations	1,407	27,613	1.1%	6.1%	1.9%	7.4%	12.9%	26.3%	13.6%	25.3%	5.5%
310000	Healthcare Support Occupations	336	8,000	13.0%	38.3%	9.7%	19.3%	6.8%	6.5%	3.1%	2.5%	0.8%
330000	Protective Service Occupations	1,333	30,598	2.7%	22.5%	8.2%	20.7%	9.3%	25.5%	8.4%	1.7%	1.0%
350000	Food Preparation and Serving Related Occupations	972	24,881	32.3%	27.4%	3.7%	14.0%	6.7%	12.7%	2.6%	0.4%	0.2%
370000	Building and Grounds Cleaning and Maintenance Occupations	797	19,551	44.2%	38.3%	2.7%	6.2%	2.6%	5.5%	0.5%	0.1%	0.0%
390000	Personal Care and Service Occupations	584	13,149	16.1%	27.6%	5.8%	18.0%	5.6%	19.0%	4.5%	2.7%	0.6%
410000	Sales and Related Occupations	1,509	31,290	7.9%	18.5%	4.9%	13.7%	4.8%	34.3%	13.1%	1.9%	0.8%
430000	Office and Administrative Support Occupations	4,688	98,755	3.9%	25.2%	7.4%	22.4%	6.7%	24.0%	8.5%	1.2%	0.7%
450000	Farming, Fishing, and Forestry Occupations	13	371	13.7%	70.5%	2.0%	0.0%	6.0%	0.0%	7.8%	0.0%	0.0%
470000	Construction and Extraction Occupations	960	23,587	34.1%	35.4%	6.2%	11.3%	4.9%	5.9%	1.4%	0.5%	0.2%
490000	Installation, Maintenance, and Repair Occupations	411	8,570	12.5%	35.0%	7.8%	19.5%	9.9%	11.0%	4.1%	0.2%	0.0%
510000	Production Occupations	408	9,055	19.9%	33.5%	6.7%	19.0%	4.5%	11.0%	4.5%	0.9%	0.0%
530000	Transportation and Material Moving Occupations	689	16,689	15.3%	41.2%	5.7%	17.3%	6.7%	9.8%	3.1%	0.6%	0.2%
550000	Military Specific Occupations	273	5,604	1.3%	14.6%	7.9%	11.9%	4.5%	24.4%	30.8%	1.4%	3.2%

Note: Estimated employment and educational attainment for each occupational group are the 2005-2009 5-year averages, but the number of survey observations for each occupational group is the total for these 5 years.

Data Source: U.S. Census Bureau, 2005-2009 American Community Survey microdata

Table Source: District of Columbia Department of Employment Services, Office of Labor Market Research and Information

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