

**Pennsylvania
Occupational Employment
2023-2025 Short-Term Forecast**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2023	Projected 2025	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
00-0000	Total, All Occupations	N/A	6,426,720	6,497,990	1.1%	35,633	319,108	394,098	748,839
11-0000	Management Occupations	N/A	419,700	426,580	1.6%	3,440	12,736	19,582	35,758
11-1000	Top Executives	N/A	141,050	143,050	1.4%	998	3,604	7,426	12,028
11-1021	General & Operations Managers	BD+	129,760	131,850	1.6%	1,044	3,257	7,026	11,327
11-2000	Advertising, Marketing, Promotions, Public Relations & Sales Managers	N/A	27,770	28,240	1.7%	237	668	1,414	2,319
11-2011	Advertising & Promotions Managers	BD+	560	570	1.8%	3	12	38	53
11-2021	Marketing Managers	BD+	11,030	11,230	1.8%	100	264	603	967
11-2022	Sales Managers	BD+	13,400	13,610	1.6%	108	328	648	1,084
11-2032	Public Relations Managers	BD+	1,440	1,460	1.4%	14	33	64	111
11-2033	Fundraising Managers	BD+	1,340	1,370	2.2%	12	30	60	102
11-3000	Operations Specialties Managers	N/A	82,390	84,510	2.6%	1,060	2,126	3,610	6,796
11-3013	Facilities Managers	BD+	3,600	3,650	1.4%	26	116	156	298
11-3021	Computer & Information Systems Managers	BD+	20,210	20,900	3.4%	342	400	912	1,654
11-3031	Financial Managers	BD+	27,070	28,030	3.5%	476	709	1,124	2,309
11-3051	Industrial Production Managers	BD+	8,060	8,150	1.1%	46	196	346	588
11-3061	Purchasing Managers	BD+	2,660	2,690	1.1%	16	76	118	210
11-3071	Transportation, Storage & Distribution Managers	WK EXP	5,160	5,250	1.7%	46	147	260	453
11-3121	Human Resources Managers	BD+	7,410	7,520	1.5%	52	212	339	603
11-3131	Training & Development Managers	BD+	1,400	1,420	1.4%	10	34	73	117
11-9000	Other Management Occupations	N/A	168,490	170,780	1.4%	1,145	6,339	7,133	14,617
11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	34,040	33,820	-0.6%	-110	2,370	1,130	3,390
11-9021	Construction Managers	BD+	16,700	16,950	1.5%	126	421	762	1,309
11-9031	Education Admin., Preschool & Childcare Center/Program	BD+	4,480	4,430	-1.1%	-24	122	170	268
11-9032	Education Administrators, Elementary & Secondary School	MD+	9,380	9,500	1.3%	56	258	362	676
11-9033	Education Administrators, Postsecondary	MD+	5,820	5,920	1.7%	49	160	225	434
11-9039	Education Administrators, Other	BD+	1,010	1,030	2.0%	6	28	39	73
11-9041	Architectural & Engineering Managers	BD+	8,360	8,480	1.4%	60	166	359	585
11-9051	Food Service Managers	WK EXP	9,850	9,980	1.3%	62	362	730	1,154
11-9071	Gaming Managers	WK EXP	140	140	0.0%	-1	6	9	14
11-9072	Entertainment & Recreation Managers	BD+	460	480	4.3%	6	19	30	55
11-9081	Lodging Managers	WK EXP	1,600	1,680	5.0%	36	62	96	194
11-9111	Medical & Health Services Managers	BD+	17,960	18,900	5.2%	468	513	762	1,743
11-9121	Natural Sciences Managers	BD+	6,420	6,510	1.4%	43	155	290	488
11-9131	Postmasters & Mail Superintendents	WK EXP	760	760	0.0%	2	23	32	57
11-9141	Property, Real Estate & Community Association Managers	WK EXP	6,830	6,990	2.3%	83	290	235	608

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11-9151	Social & Community Service Managers	BD+	8,330	8,450	1.4%	61	270	375	706
11-9161	Emergency Management Directors	BD+	410	410	0.0%	0	10	17	27
11-9171	Funeral Home Managers	AD+	1,630	1,640	0.6%	6	50	68	124
11-9179	Personal Service Managers, All Other	WK EXP	280	280	0.0%	2	8	12	22
11-9199	Managers, Other	BD+	34,030	34,450	1.2%	212	1,045	1,430	2,687
13-0000	Business & Financial Operations Occupations	N/A	363,520	369,770	1.7%	3,127	11,182	17,344	31,653
13-1000	Business Operations Specialists	N/A	242,430	246,710	1.8%	2,140	7,559	12,152	21,851
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	150	150	0.0%	2	6	8	16
13-1020	Buyers & Purchasing Agents	BD+	17,470	17,330	-0.8%	-74	644	920	1,490
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	14,010	14,090	0.6%	38	359	580	977
13-1032	Insurance Appraisers, Auto Damage	PS+	170	180	5.9%	0	4	7	11
13-1041	Compliance Officers	BD+	14,330	14,510	1.3%	92	498	595	1,185
13-1051	Cost Estimators	BD+	10,210	10,200	-0.1%	-4	330	506	832
13-1071	Human Resources Specialists	BD	31,850	32,370	1.6%	258	960	1,666	2,884
13-1074	Farm Labor Contractors	ST OJT	50	50	0.0%	0	2	2	4
13-1075	Labor Relations Specialists	BD+	2,110	2,130	0.9%	8	64	110	182
13-1081	Logisticians	BD	8,560	8,940	4.4%	192	236	454	882
13-1082	Project Management Specialists	BD	28,720	29,280	1.9%	276	664	1,335	2,275
13-1111	Management Analysts	BD+	32,300	33,130	2.6%	414	1,126	1,506	3,046
13-1121	Meeting, Convention & Event Planners	BD	4,060	4,150	2.2%	46	168	258	472
13-1131	Fundraisers	BD	5,380	5,480	1.9%	46	162	234	442
13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	5,560	5,710	2.7%	74	166	222	462
13-1151	Training & Development Specialists	BD+	13,150	13,380	1.7%	112	403	696	1,211
13-1161	Market Research Analysts & Marketing Specialists	BD	31,160	32,170	3.2%	504	992	1,842	3,338
13-1199	Business Operations Specialists, Other	BD	23,180	23,490	1.3%	156	776	1,210	2,142
13-2000	Financial Specialists	N/A	121,090	123,060	1.6%	987	3,624	5,192	9,803
13-2011	Accountants & Auditors	BD	61,470	62,320	1.4%	424	1,910	2,802	5,136
13-2020	Property Appraisers & Assessors	BD+	2,100	2,140	1.9%	20	103	70	193
13-2031	Budget Analysts	BD	1,510	1,520	0.7%	7	44	54	105
13-2041	Credit Analysts	BD	2,480	2,450	-1.2%	-18	56	114	152
13-2051	Financial Analysts	BD	12,040	12,330	2.4%	148	262	500	910
13-2052	Personal Financial Advisors	BD+	13,260	13,860	4.5%	298	366	468	1,132
13-2053	Insurance Underwriters	BD+	4,920	4,970	1.0%	22	149	192	363
13-2054	Financial Risk Specialists	BD	1,020	1,040	2.0%	10	24	43	77
13-2061	Financial Examiners	BD+	1,730	1,780	2.9%	29	56	68	153

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13-2071	Credit Counselors	BD+	1,180	1,190	0.8%	8	32	48	88
13-2072	Loan Officers	BD+	10,100	10,090	-0.1%	-2	268	411	677
13-2081	Tax Examiners, Collectors & Revenue Agents	BD+	2,680	2,690	0.4%	5	96	102	203
13-2082	Tax Preparers	MT OJT	3,250	3,290	1.2%	16	182	180	378
13-2099	Financial Specialists, Other	BD	3,350	3,390	1.2%	20	78	140	238
15-0000	Computer & Mathematical Occupations	N/A	183,160	188,970	3.2%	2,904	4,118	6,804	13,826
15-1200	Computer Occupations	N/A	173,370	178,600	3.0%	2,616	3,886	6,464	12,966
15-1211	Computer Systems Analysts	BD	21,670	22,170	2.3%	249	549	728	1,526
15-1212	Information Security Analysts	BD+	4,560	4,850	6.4%	145	102	173	420
15-1221	Computer & Information Research Scientists	MD	700	730	4.3%	14	18	27	59
15-1231	Computer Network Support Specialists	AD+	5,900	6,020	2.0%	64	146	244	454
15-1232	Computer User Support Specialists	PS+	28,420	28,890	1.7%	231	704	1,176	2,111
15-1241	Computer Network Architects	BD+	6,370	6,450	1.3%	42	117	219	378
15-1242	Database Administrators	BD	3,130	3,200	2.2%	32	80	102	214
15-1243	Database Architects	BD+	3,090	3,170	2.6%	42	79	100	221
15-1244	Network & Computer Systems Administrators	BD	10,460	10,580	1.1%	60	214	366	640
15-1251	Computer Programmers	BD	10,530	10,390	-1.3%	-74	258	372	556
15-1252	Software Developers	BD	45,690	48,260	5.6%	1,282	806	1,680	3,768
15-1253	Software Quality Assurance Analysts & Testers	BD	7,500	7,850	4.7%	176	193	274	643
15-1254	Web Developers	BD	3,520	3,670	4.3%	74	70	150	294
15-1255	Web & Digital Interface Designers	BD	3,770	3,910	3.7%	70	107	163	340
15-1299	Computer Occupations, All Other	BD	18,050	18,470	2.3%	209	442	687	1,338
15-2000	Mathematical Scientists	N/A	9,790	10,370	5.9%	288	231	340	859
15-2011	Actuaries	BD+	2,140	2,260	5.6%	62	36	68	166
15-2031	Operations Research Analysts	BD	2,590	2,700	4.2%	55	76	82	213
15-2041	Statisticians	MD	2,110	2,250	6.6%	68	50	79	197
15-2051	Data Scientists	BD	2,870	3,080	7.3%	104	68	108	280
17-0000	Architecture & Engineering Occupations	N/A	98,810	100,500	1.7%	844	2,758	3,678	7,280
17-1000	Architects, Surveyors & Cartographers	N/A	6,430	6,510	1.2%	44	199	209	452
17-1011	Architects	BD+	3,730	3,790	1.6%	28	110	116	254
17-1012	Landscape Architects	BD+	920	930	1.1%	4	34	36	74
17-1021	Cartographers & Photogrammetrists	BD	150	150	0.0%	0	4	5	9
17-1022	Surveyors	BD+	1,620	1,650	1.9%	11	50	52	113
17-2000	Engineers	N/A	68,010	69,460	2.1%	723	1,574	2,228	4,525
17-2011	Aerospace Engineers	BD	870	900	3.4%	12	20	26	58

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17-2031	Biomedical Engineers	BD	960	980	2.1%	9	17	36	62
17-2041	Chemical Engineers	BD	1,610	1,640	1.9%	18	36	49	103
17-2051	Civil Engineers	BD	11,810	11,980	1.4%	84	256	440	780
17-2061	Computer Hardware Engineers	BD	1,320	1,340	1.5%	10	26	46	82
17-2071	Electrical Engineers	BD	7,310	7,410	1.4%	49	170	218	437
17-2072	Electronics Engineers	BD	2,310	2,350	1.7%	22	54	69	145
17-2081	Environmental Engineers	BD	1,810	1,840	1.7%	16	55	60	131
17-2111	Health & Safety Engineers	BD	1,240	1,260	1.6%	9	30	38	77
17-2112	Industrial Engineers	BD	11,800	12,160	3.1%	180	292	364	836
17-2121	Marine Engineers & Naval Architects	BD	160	170	6.2%	4	4	4	12
17-2131	Materials Engineers	BD	1,140	1,160	1.8%	10	32	37	79
17-2141	Mechanical Engineers	BD	18,440	18,950	2.8%	256	415	600	1,271
17-2151	Mining & Geological Engineers	BD	250	250	0.0%	2	4	9	15
17-2161	Nuclear Engineers	BD	530	530	0.0%	2	12	18	32
17-2171	Petroleum Engineers	BD	590	590	0.0%	2	11	22	35
17-2199	Engineers, Other	BD	5,840	5,910	1.2%	38	140	192	370
17-3000	Drafters, Engineering & Mapping Technicians	N/A	24,370	24,530	0.7%	78	984	1,241	2,303
17-3011	Architectural & Civil Drafters	AD	5,520	5,560	0.7%	20	230	282	532
17-3012	Electrical & Electronics Drafters	AD	830	840	1.2%	2	29	38	69
17-3013	Mechanical Drafters	AD	2,700	2,670	-1.1%	-11	94	123	206
17-3019	Drafters, Other	AD	300	300	0.0%	-1	10	14	23
17-3021	Aerospace Engineering & Operations Technicians	AD	90	90	0.0%	2	4	4	10
17-3022	Civil Engineering Technicians	AD	1,980	1,990	0.5%	4	76	102	182
17-3023	Electrical & Electronic Engineering Technicians	AD	3,350	3,370	0.6%	11	171	150	332
17-3024	Electro-Mechanical Technicians	AD	790	800	1.3%	0	30	41	71
17-3025	Environmental Engineering Technicians	AD	500	500	0.0%	2	19	26	47
17-3026	Industrial Engineering Technicians	AD	1,970	1,990	1.0%	14	76	102	192
17-3027	Mechanical Engineering Technicians	AD	1,760	1,770	0.6%	8	67	92	167
17-3028	Calibration Technologists & Technicians	AD	450	460	2.2%	4	17	24	45
17-3029	Engineering Technicians, Other	AD	2,920	2,950	1.0%	16	112	152	280
17-3031	Surveying & Mapping Technicians	MT OJT	1,210	1,230	1.7%	7	51	90	148
19-0000	Life, Physical & Social Science Occupations	N/A	63,630	64,570	1.5%	469	1,316	4,074	5,859
19-1000	Life Scientists	N/A	13,870	14,110	1.7%	118	203	695	1,016
19-1012	Food Scientists & Technologists	BD	540	540	0.0%	3	8	34	45
19-1021	Biochemists & Biophysicists	DOCT	2,190	2,220	1.4%	14	36	123	173

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19-1022	Microbiologists	BD	780	790	1.3%	6	13	44	63
19-1023	Zoologists & Wildlife Biologists	BD	300	310	3.3%	2	5	17	24
19-1029	Biological Scientists, Other	BD	2,960	2,990	1.0%	17	48	166	231
19-1031	Conservation Scientists	BD	990	1,000	1.0%	6	18	60	84
19-1032	Foresters	BD	340	340	0.0%	0	6	21	27
19-1041	Epidemiologists	MD	130	130	0.0%	3	2	5	10
19-1042	Medical Scientists	DOCT	5,160	5,290	2.5%	64	61	202	327
19-1099	Life Scientists, Other	BD	320	330	3.1%	2	4	12	18
19-2000	Physical Scientists	N/A	11,860	12,040	1.5%	94	184	660	938
19-2012	Physicists	DOCT	430	430	0.0%	2	10	14	26
19-2021	Atmospheric & Space Scientists	BD	380	380	0.0%	3	5	25	33
19-2031	Chemists	BD	6,000	6,100	1.7%	51	92	318	461
19-2032	Materials Scientists	BD	350	360	2.9%	4	6	18	28
19-2041	Environmental Scientists & Specialists	BD	2,820	2,870	1.8%	24	46	175	245
19-2042	Geoscientists	BD	780	790	1.3%	5	10	50	65
19-2043	Hydrologists	BD	280	290	3.6%	1	4	18	23
19-2099	Physical Scientists, Other	BD	800	800	0.0%	3	10	42	55
19-3000	Social Scientists & Related Workers	N/A	15,160	15,310	1.0%	75	314	687	1,076
19-3011	Economists	MD	580	580	0.0%	4	8	26	38
19-3022	Survey Researchers	MD	3,180	3,180	0.0%	0	56	199	255
19-3032	Industrial-Organizational Psychologists	MD+	130	130	0.0%	2	4	4	10
19-3033	Clinical & Counseling Psychologists	DOCT	3,800	3,870	1.8%	31	80	100	211
19-3034	School Psychologists	MD+	2,510	2,540	1.2%	14	44	117	175
19-3039	Psychologists, Other	MD+	2,020	2,050	1.5%	16	60	67	143
19-3051	Urban & Regional Planners	MD	1,280	1,290	0.8%	4	30	70	104
19-3091	Anthropologists & Archeologists	MD	170	170	0.0%	1	3	10	14
19-3093	Historians	MD	110	110	0.0%	0	2	7	9
19-3094	Political Scientists	MD	160	160	0.0%	1	3	10	14
19-3099	Social Scientists & Related Workers, Other	BD	1,180	1,180	0.0%	2	21	74	97
19-4000	Life, Physical & Social Science Technicians	N/A	17,900	18,120	1.2%	110	477	1,656	2,243
19-4012	Agricultural Technicians	AD+	340	340	0.0%	2	9	36	47
19-4013	Food Science Technicians	AD+	1,020	1,020	0.0%	3	26	109	138
19-4021	Biological Technicians	BD	5,170	5,240	1.4%	39	168	467	674
19-4031	Chemical Technicians	AD+	3,500	3,540	1.1%	20	74	331	425
19-4042	Environmental Science & Protection Technicians	AD	1,290	1,300	0.8%	9	23	108	140

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19-4043	Geological Technicians	AD+	520	530	1.9%	2	10	44	56
19-4044	Hydrologic Technicians	AD+	80	80	0.0%	0	2	7	9
19-4051	Nuclear Technicians	AD+	470	480	2.1%	2	8	40	50
19-4061	Social Science Research Assistants	BD	540	550	1.9%	4	16	50	70
19-4071	Forest & Conservation Technicians	AD	990	990	0.0%	0	28	92	120
19-4092	Forensic Science Technicians	BD+	400	410	2.5%	4	12	38	54
19-4099	Life, Physical & Social Science Technicians, Other	AD	3,590	3,640	1.4%	25	102	336	463
19-5000	Occupational Health & Safety Specialists & Technicians	N/A	4,830	4,980	3.1%	72	138	376	586
19-5011	Occupational Health & Safety Specialists	BD	4,240	4,370	3.1%	68	121	330	519
19-5012	Occupational Health & Safety Technicians	MT OJT	600	610	1.7%	5	17	46	68
21-0000	Community & Social Services Occupations	N/A	141,980	144,170	1.5%	1,094	5,514	6,688	13,296
21-1000	Counselors, Social Workers & Community Service Specialists	N/A	107,900	109,740	1.7%	919	3,946	5,060	9,925
21-1012	Educational, Guidance, School & Vocational Counselors	MD	8,850	9,010	1.8%	80	268	360	708
21-1013	Marriage & Family Therapists	MD+	2,020	2,070	2.5%	24	68	60	152
21-1015	Rehabilitation Counselors	MD	6,260	6,260	0.0%	0	204	276	480
21-1018	Substance Abuse, Behavioral Disorder, & Mental Health Counselors	BD	21,570	22,290	3.3%	358	789	1,012	2,159
21-1019	Counselors, Other	MD	1,400	1,440	2.9%	21	59	72	152
21-1021	Child, Family & School Social Workers	BD	22,170	22,400	1.0%	112	722	968	1,802
21-1022	Healthcare Social Workers	MD+	6,270	6,360	1.4%	46	234	296	576
21-1023	Mental Health & Substance Abuse Social Workers	MD+	7,200	7,320	1.7%	63	270	231	564
21-1029	Social Workers, Other	BD	1,330	1,350	1.5%	8	43	63	114
21-1091	Health Educators	BD	1,960	1,990	1.5%	16	80	115	211
21-1092	Probation Officers & Correctional Treatment Specialists	BD	4,450	4,470	0.4%	12	137	198	347
21-1093	Social & Human Service Assistants	ST OJT	20,910	21,190	1.3%	140	928	1,202	2,270
21-1094	Community Health Workers	ST OJT	2,260	2,320	2.7%	30	92	134	256
21-1099	Community & Social Service Specialists, Other	BD	1,270	1,290	1.6%	8	52	74	134
21-2000	Religious Workers	N/A	34,080	34,430	1.0%	174	1,568	1,628	3,370
21-2011	Clergy	BD+	20,520	20,730	1.0%	104	824	852	1,780
21-2021	Directors, Religious Activities & Education	BD+	7,580	7,650	0.9%	37	320	410	767
21-2099	Religious Workers, Other	BD	5,980	6,050	1.2%	33	424	367	824
23-0000	Legal Occupations	N/A	53,760	54,620	1.6%	426	1,582	1,753	3,761
23-1000	Lawyers, Judges & Related Workers	N/A	33,770	34,410	1.9%	318	801	526	1,645
23-1011	Lawyers	DOCT	31,750	32,370	2.0%	312	746	482	1,540
23-1012	Judicial Law Clerks	DOCT	980	990	1.0%	2	32	28	62
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	DOCT	780	780	0.0%	2	18	12	32

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23-2000	Legal Support Workers	N/A	19,990	20,210	1.1%	108	780	1,228	2,116
23-2011	Paralegals & Legal Assistants	AD	14,500	14,680	1.2%	92	550	924	1,566
23-2093	Title Examiners, Abstractors & Searchers	MT OJT	4,110	4,140	0.7%	16	168	220	404
23-2099	Legal Support Workers, Other	AD	1,380	1,380	0.0%	0	64	82	146
25-0000	Education, Training & Library Occupations	N/A	346,720	351,180	1.3%	2,230	15,176	14,556	31,962
25-1000	Postsecondary Teachers	N/A	64,530	66,100	2.4%	786	2,876	2,202	5,864
25-1011	Business Teachers, Postsecondary	DOCT	3,940	4,040	2.5%	48	176	134	358
25-1021	Computer Science Teachers, Postsecondary	DOCT	1,930	1,970	2.1%	20	86	66	172
25-1022	Mathematical Science Teachers, Postsecondary	DOCT	1,950	1,980	1.5%	16	86	66	168
25-1031	Architecture Teachers, Postsecondary	DOCT	640	650	1.6%	6	28	22	56
25-1032	Engineering Teachers, Postsecondary	DOCT	3,690	3,800	3.0%	52	165	126	343
25-1041	Agricultural Sciences Teachers, Postsecondary	DOCT	200	200	0.0%	2	8	6	16
25-1042	Biological Science Teachers, Postsecondary	DOCT	2,520	2,580	2.4%	34	112	86	232
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	DOCT	650	660	1.5%	6	29	22	57
25-1052	Chemistry Teachers, Postsecondary	DOCT	1,620	1,650	1.9%	14	72	55	141
25-1053	Environmental Science Teachers, Postsecondary	DOCT	170	170	0.0%	2	8	6	16
25-1054	Physics Teachers, Postsecondary	DOCT	770	780	1.3%	6	34	26	66
25-1061	Anthropology & Archeology Teachers, Postsecondary	DOCT	350	350	0.0%	3	16	12	31
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	DOCT	460	470	2.2%	4	20	16	40
25-1063	Economics Teachers, Postsecondary	DOCT	600	610	1.7%	6	26	20	52
25-1064	Geography Teachers, Postsecondary	DOCT	190	190	0.0%	2	8	6	16
25-1065	Political Science Teachers, Postsecondary	DOCT	840	850	1.2%	7	37	28	72
25-1066	Psychology Teachers, Postsecondary	DOCT	2,570	2,620	1.9%	26	114	88	228
25-1067	Sociology Teachers, Postsecondary	DOCT	500	510	2.0%	4	22	17	43
25-1069	Social Sciences Teachers, Postsecondary, Other	DOCT	570	580	1.8%	4	26	20	50
25-1071	Health Specialties Teachers, Postsecondary	DOCT	10,150	10,640	4.8%	244	458	350	1,052
25-1072	Nursing Instructors & Teachers, Postsecondary	DOCT	4,090	4,270	4.4%	92	184	141	417
25-1081	Education Teachers, Postsecondary	DOCT	2,710	2,750	1.5%	24	120	92	236
25-1082	Library Science Teachers, Postsecondary	DOCT	260	260	0.0%	2	12	8	22
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	DOCT	870	880	1.1%	6	38	30	74
25-1112	Law Teachers, Postsecondary	DOCT	520	520	0.0%	4	23	18	45
25-1113	Social Work Teachers, Postsecondary	DOCT	690	700	1.4%	6	30	24	60
25-1121	Art, Drama & Music Teachers, Postsecondary	MD	4,440	4,520	1.8%	36	198	151	385
25-1122	Communications Teachers, Postsecondary	DOCT	1,210	1,230	1.7%	10	54	41	105
25-1123	English Language & Literature Teachers, Postsecondary	DOCT	3,180	3,220	1.3%	20	141	108	269

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25-1124	Foreign Language & Literature Teachers, Postsecondary	DOCT	1,460	1,480	1.4%	9	64	50	123
25-1125	History Teachers, Postsecondary	DOCT	970	980	1.0%	6	43	33	82
25-1126	Philosophy & Religion Teachers, Postsecondary	DOCT	1,030	1,050	1.9%	8	46	35	89
25-1192	Home Economics Teachers, Postsecondary	DOCT	130	130	0.0%	1	6	4	11
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	DOCT	750	770	2.7%	6	34	26	66
25-1194	Vocational Education Teachers, Postsecondary	BD+	4,360	4,400	0.9%	19	192	148	359
25-1199	Postsecondary Teachers, Other	DOCT	3,570	3,640	2.0%	30	158	122	310
25-2000	Primary, Secondary & Special Education School Teachers	N/A	178,800	180,560	1.0%	877	6,070	6,488	13,435
25-2011	Preschool Teachers	AD	20,010	20,070	0.3%	30	916	1,182	2,128
25-2012	Kindergarten Teachers	BD	3,370	3,400	0.9%	18	155	200	373
25-2021	Elementary School Teachers	BD	56,710	57,240	0.9%	268	1,914	1,873	4,055
25-2022	Middle School Teachers	BD	23,240	23,510	1.2%	135	785	768	1,688
25-2023	Career/Technical Education Teachers, Middle School	BD+	420	430	2.4%	2	14	14	30
25-2031	Secondary School Teachers	BD	50,290	50,890	1.2%	301	1,468	1,632	3,401
25-2032	Career/Technical Education Teachers, Secondary School	BD+	3,580	3,610	0.8%	16	104	116	236
25-2051	Special Education Teachers, Preschool	BD	720	730	1.4%	4	24	24	52
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	6,350	6,410	0.9%	30	214	211	455
25-2057	Special Education Teachers, Middle School	BD	3,310	3,350	1.2%	16	112	110	238
25-2058	Special Education Teachers, Secondary School	BD	10,600	10,720	1.1%	56	357	352	765
25-2059	Special Education Teachers, Other	BD	210	210	0.0%	2	7	7	16
25-3000	Other Teachers & Instructors	N/A	35,560	36,070	1.4%	256	2,379	2,140	4,775
25-3011	Adult Basic & Secondary Education & Literacy Teachers	BD	820	810	-1.2%	-6	51	46	91
25-3021	Self-Enrichment Education Teachers	WK EXP	12,810	12,990	1.4%	92	805	732	1,629
25-3031	Substitute Teachers (Short-Term)	BD	14,580	14,830	1.7%	126	918	834	1,878
25-3041	Tutors	PS	5,040	5,120	1.6%	40	461	396	897
25-3099	Teachers & Instructors, Other	BD	2,310	2,320	0.4%	5	144	132	281
25-4000	Librarians, Curators & Archivists	N/A	8,550	8,730	2.1%	92	571	410	1,073
25-4011	Archivists	MD	430	440	2.3%	5	26	24	55
25-4012	Curators	MD	530	540	1.9%	8	33	30	71
25-4013	Museum Technicians & Conservators	BD	640	660	3.1%	8	40	36	84
25-4022	Librarians & Media Collections Specialists	MD	5,050	5,150	2.0%	54	279	193	526
25-4031	Library Technicians	PS	1,910	1,940	1.6%	17	192	126	335
25-9000	Other Education, Training & Library Occupations	N/A	59,280	59,720	0.7%	219	3,280	3,314	6,813
25-9031	Instructional Coordinators	MD+	6,360	6,450	1.4%	45	296	251	592
25-9045	Teaching Assistants, Non-Postsecondary	PS	47,840	48,120	0.6%	138	2,734	2,836	5,708

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25-9099	Education, Training & Library Workers, Other	BD	3,530	3,580	1.4%	23	164	140	327
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	N/A	93,060	94,350	1.4%	644	4,148	5,302	10,094
27-1000	Art & Design Workers	N/A	28,400	28,720	1.1%	164	1,106	1,498	2,768
27-1011	Art Directors	BD+	3,600	3,670	1.9%	32	166	173	371
27-1012	Craft Artists	LT OJT	90	90	0.0%	1	4	4	9
27-1013	Fine Artists	BD+	250	250	0.0%	2	12	12	26
27-1014	Multimedia Artists & Animators	BD	530	540	1.9%	6	24	26	56
27-1019	Artists & Related Workers, Other	LT OJT	220	220	0.0%	0	10	10	20
27-1021	Commercial & Industrial Designers	BD	520	530	1.9%	4	12	24	40
27-1022	Fashion Designers	BD	350	360	2.9%	4	10	22	36
27-1023	Floral Designers	MT OJT	2,280	2,230	-2.2%	-23	142	117	236
27-1024	Graphic Designers	BD	11,000	11,130	1.2%	68	316	566	950
27-1025	Interior Designers	BD	3,870	3,940	1.8%	32	167	180	379
27-1026	Merchandise Displayers & Window Trimmers	ST OJT	4,210	4,270	1.4%	26	203	290	519
27-1027	Set & Exhibit Designers	BD	670	690	3.0%	6	18	35	59
27-1029	Designers, Other	BD	800	820	2.5%	6	22	42	70
27-2000	Entertainers & Performers, Sports & Related Workers	N/A	31,960	32,510	1.7%	278	1,860	2,034	4,172
27-2011	Actors	PS+	3,290	3,330	1.2%	22	176	200	398
27-2012	Producers & Directors	BD+	3,210	3,270	1.9%	30	92	172	294
27-2021	Athletes & Sports Competitors	LT OJT	710	730	2.8%	9	32	54	95
27-2022	Coaches & Scouts	BD	10,470	10,730	2.5%	132	582	741	1,455
27-2023	Umpires, Referees & Other Sports Officials	MT OJT	1,150	1,170	1.7%	12	152	110	274
27-2031	Dancers	LT OJT	320	320	0.0%	2	19	30	51
27-2032	Choreographers	WK EXP	180	180	0.0%	2	10	18	30
27-2041	Music Directors & Composers	BD+	3,120	3,150	1.0%	16	152	152	320
27-2042	Musicians & Singers	LT OJT	8,700	8,790	1.0%	46	608	512	1,166
27-2091	Disc Jockeys	ST OJT	440	440	0.0%	4	16	18	38
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	380	390	2.6%	4	20	24	48
27-3000	Media & Communication Workers	N/A	23,060	23,310	1.1%	128	872	1,232	2,232
27-3011	Radio & Television Announcers	BD	1,080	1,070	-0.9%	-4	53	56	105
27-3023	News Analysts, Reporters & Journalists	BD	1,670	1,680	0.6%	1	74	108	183
27-3031	Public Relations Specialists	BD	7,450	7,580	1.7%	66	180	408	654
27-3041	Editors	BD+	4,140	4,140	0.0%	-2	192	226	416
27-3042	Technical Writers	BD+	2,480	2,530	2.0%	23	72	129	224
27-3043	Writers & Authors	BD+	4,050	4,100	1.2%	28	182	212	422

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27-3091	Interpreters & Translators	BD	1,070	1,090	1.9%	9	55	52	116
27-3092	Court Reporters & Simultaneous Captioners	PS	1,030	1,050	1.9%	6	62	38	106
27-3099	Media & Communication Workers, Other	ST OJT	70	70	0.0%	1	2	4	7
27-4000	Media & Communication Equipment Workers	N/A	9,660	9,800	1.4%	74	310	538	922
27-4011	Audio & Video Equipment Technicians	PS	2,440	2,480	1.6%	20	73	142	235
27-4012	Broadcast Technicians	AD	940	940	0.0%	2	28	54	84
27-4014	Sound Engineering Technicians	PS	300	300	0.0%	0	9	18	27
27-4015	Lighting Technicians	PS	180	180	0.0%	0	6	10	16
27-4021	Photographers	MT OJT	3,280	3,330	1.5%	26	124	166	316
27-4031	Camera Operators: TV, Video & Motion Picture	BD	840	840	0.0%	4	23	48	75
27-4032	Film & Video Editors	BD	1,400	1,440	2.9%	20	39	82	141
27-4099	Media & Communication Equipment Workers, Other	ST OJT	280	280	0.0%	2	8	16	26
29-0000	Healthcare Practitioners & Technical Occupations	N/A	426,960	432,920	1.4%	2,978	13,568	10,356	26,902
29-1000	Health Diagnosing & Treating Practitioners	N/A	284,760	288,990	1.5%	2,114	8,500	5,252	15,866
29-1011	Chiropractors	DOCT	2,300	2,330	1.3%	14	68	16	98
29-1021	Dentists, General	DOCT	5,130	5,140	0.2%	4	112	30	146
29-1022	Oral & Maxillofacial Surgeons	DOCT	450	450	0.0%	0	10	2	12
29-1023	Orthodontists	DOCT	250	250	0.0%	0	6	2	8
29-1029	Dentists, Other Specialists	DOCT	90	100	11.1%	0	2	0	2
29-1031	Dietitians & Nutritionists	BD+	3,680	3,720	1.1%	23	133	100	256
29-1041	Optometrists	DOCT	1,740	1,760	1.1%	10	42	10	62
29-1051	Pharmacists	DOCT	14,960	15,110	1.0%	76	347	208	631
29-1071	Physician Assistants	MD	7,010	7,330	4.6%	161	157	196	514
29-1081	Podiatrists	DOCT	550	540	-1.8%	-2	13	2	13
29-1122	Occupational Therapists	MD	7,690	7,850	2.1%	78	227	194	499
29-1123	Physical Therapists	DOCT	12,880	13,180	2.3%	154	300	202	656
29-1124	Radiation Therapists	AD	870	880	1.1%	2	21	15	38
29-1125	Recreational Therapists	BD	830	840	1.2%	4	34	26	64
29-1126	Respiratory Therapists	AD	5,300	5,440	2.6%	70	166	99	335
29-1127	Speech-Language Pathologists	MD+	6,190	6,410	3.6%	112	170	162	444
29-1128	Exercise Physiologists	BD	1,260	1,290	2.4%	15	42	34	91
29-1129	Therapists, Other	BD	970	1,000	3.1%	12	32	26	70
29-1131	Veterinarians	DOCT	3,550	3,700	4.2%	76	83	35	194
29-1141	Registered Nurses	BD	154,790	156,590	1.2%	900	5,169	3,202	9,271
29-1151	Nurse Anesthetists	MD	3,200	3,220	0.6%	9	62	64	135

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29-1161	Nurse Midwives	MD	280	280	0.0%	0	6	6	12
29-1171	Nurse Practitioners	MD	8,170	8,840	8.2%	331	188	188	707
29-1181	Audiologists	DOCT	400	410	2.5%	4	12	7	23
29-1211	Anesthesiologists	DOCT	1,570	1,570	0.0%	-2	32	10	40
29-1212	Cardiologists	DOCT	590	590	0.0%	0	12	4	16
29-1213	Dermatologists	DOCT	350	350	0.0%	0	7	2	9
29-1214	Emergency Medicine Physicians	DOCT	960	960	0.0%	0	20	6	26
29-1215	Family Medicine Physicians	DOCT	4,330	4,330	0.0%	0	88	26	114
29-1216	General Internal Medicine Physicians	DOCT	1,380	1,380	0.0%	-2	28	8	34
29-1218	Obstetricians & Gynecologists	DOCT	450	450	0.0%	0	9	2	11
29-1221	Pediatricians, General	DOCT	1,110	1,100	-0.9%	-3	22	6	25
29-1223	Psychiatrists	DOCT	930	940	1.1%	6	19	6	31
29-1224	Radiologists	DOCT	1,350	1,350	0.0%	-1	28	8	35
29-1241	Ophthalmologists	DOCT	720	710	-1.4%	-1	12	4	15
29-1242	Orthopedic Surgeons	DOCT	1,050	1,050	0.0%	-4	18	6	20
29-1249	Surgeons, All Other	DOCT	410	410	0.0%	0	7	2	9
29-1291	Acupuncturists	MD	150	150	0.0%	1	8	2	11
29-1292	Dental Hygienists	AD	9,470	9,510	0.4%	19	407	208	634
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	MD	1,560	1,570	0.6%	4	56	31	91
29-2000	Health Technologists & Technicians	N/A	136,890	138,480	1.2%	798	4,892	4,956	10,646
29-2010	Clinical Laboratory Technologists & Technicians	BD	13,420	13,530	0.8%	56	457	398	911
29-2031	Cardiovascular Technologists & Technicians	AD	3,550	3,570	0.6%	12	117	98	227
29-2032	Diagnostic Medical Sonographers	AD	3,250	3,330	2.5%	41	90	77	208
29-2033	Nuclear Medicine Technologists	AD	850	850	0.0%	0	20	19	39
29-2034	Radiologic Technologists	AD	10,460	10,550	0.9%	42	320	226	588
29-2035	Magnetic Resonance Imaging Technologists	AD+	2,340	2,370	1.3%	16	72	52	140
29-2036	Medical Dosimetrists	BD	150	150	0.0%	0	4	4	8
29-2042	Emergency Medical Technicians	PS	9,840	9,880	0.4%	20	252	430	702
29-2043	Paramedics	PS+	4,620	4,640	0.4%	10	94	115	219
29-2051	Dietetic Technicians	AD	760	760	0.0%	4	39	42	85
29-2052	Pharmacy Technicians	MT OJT	20,150	20,500	1.7%	170	796	1,024	1,990
29-2053	Psychiatric Technicians	PS+	2,310	2,340	1.3%	15	90	98	203
29-2055	Surgical Technologists	PS	3,820	3,850	0.8%	18	116	112	246
29-2056	Veterinary Technologists & Technicians	AD	5,530	5,770	4.3%	118	194	316	628
29-2057	Ophthalmic Medical Technicians	PS	2,010	2,040	1.5%	14	104	112	230

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29-2061	Licensed Practical & Licensed Vocational Nurses	PS	34,830	35,150	0.9%	160	1,418	1,229	2,807
29-2072	Medical Records Specialists	PS	7,290	7,380	1.2%	48	276	208	532
29-2081	Opticians, Dispensing	LT OJT	2,920	2,930	0.3%	6	121	122	249
29-2091	Orthotists & Prosthetists	MD+	480	500	4.2%	8	18	15	41
29-2092	Hearing Aid Specialists	MT OJT	320	330	3.1%	6	12	10	28
29-2099	Health Technologists & Technicians, Other	PS	8,010	8,080	0.9%	34	286	248	568
29-9000	Other Healthcare Practitioners & Technical Occupations	N/A	5,310	5,450	2.6%	66	177	146	389
29-9021	Health Information Technologists & Medical Registrars	AD	1,180	1,220	3.4%	20	40	32	92
29-9091	Athletic Trainers	MD	2,600	2,680	3.1%	38	87	72	197
29-9092	Genetic Counselors	MD	360	370	2.8%	4	12	10	26
29-9093	Surgical Assistants	PS	470	470	0.0%	1	16	13	30
29-9099	Healthcare Practitioners & Technical Workers, Other	PS	700	700	0.0%	2	23	19	44
31-0000	Healthcare Support Occupations	N/A	360,220	369,190	2.5%	4,489	25,609	26,756	56,854
31-1100	Direct Care Workers	N/A	285,040	292,680	2.7%	3,816	21,644	20,321	45,781
31-1120	Home Health & Personal Care Aides	ST OJT	199,360	206,190	3.4%	3,414	16,222	13,527	33,163
31-1131	Nursing Assistants	PS	80,300	81,040	0.9%	369	5,106	6,315	11,790
31-1132	Orderlies	ST OJT	3,760	3,820	1.6%	26	221	336	583
31-1133	Psychiatric Aides	ST OJT	1,620	1,630	0.6%	8	95	144	247
31-2000	Occupational & Physical Therapist Assistants & Aides	N/A	9,490	9,800	3.3%	158	468	842	1,468
31-2011	Occupational Therapy Assistants	AD	2,240	2,330	4.0%	45	113	199	357
31-2012	Occupational Therapy Aides	ST OJT	320	320	0.0%	1	16	28	45
31-2021	Physical Therapist Assistants	AD	5,230	5,460	4.4%	114	258	467	839
31-2022	Physical Therapist Aides	ST OJT	1,700	1,700	0.0%	-2	82	148	228
31-9000	Other Healthcare Support Occupations	N/A	65,690	66,720	1.6%	514	3,497	5,592	9,603
31-9011	Massage Therapists	PS	4,480	4,630	3.3%	78	299	309	686
31-9091	Dental Assistants	PS	11,850	11,890	0.3%	22	660	966	1,648
31-9092	Medical Assistants	PS	30,000	30,550	1.8%	275	1,420	2,432	4,127
31-9093	Medical Equipment Preparers	MT OJT	2,700	2,720	0.7%	13	152	208	373
31-9094	Medical Transcriptionists	PS	1,680	1,650	-1.8%	-12	104	182	274
31-9095	Pharmacy Aides	ST OJT	2,580	2,590	0.4%	6	168	291	465
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	4,270	4,460	4.4%	92	271	571	934
31-9097	Phlebotomists	PS	5,160	5,210	1.0%	26	254	404	684
31-9099	Healthcare Support Workers, Other	ST OJT	2,980	3,010	1.0%	14	168	230	412
33-0000	Protective Service Occupations	N/A	127,420	128,090	0.5%	334	7,709	8,058	16,101
33-1000	Supervisors - Protective Service Workers	N/A	10,410	10,440	0.3%	17	330	440	787

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33-1011	Supervisors - Correctional Officers	WK EXP	1,420	1,410	-0.7%	-2	47	64	109
33-1012	Supervisors - Police & Detectives	WK EXP	4,640	4,660	0.4%	14	130	173	317
33-1021	Supervisors - Fire Fighting & Prevention	PS+	1,280	1,280	0.0%	3	32	46	81
33-1091	Supervisors - Security Workers	WK EXP	2,160	2,150	-0.5%	-2	86	110	194
33-1099	Supervisors - Other Protective Service Workers	WK EXP	920	930	1.1%	5	36	47	88
33-2000	Fire Fighting & Prevention Workers	N/A	5,440	5,470	0.6%	14	144	262	420
33-2011	Firefighters	PS+	5,190	5,220	0.6%	14	136	250	400
33-2021	Fire Inspectors & Investigators	PS+	240	240	0.0%	0	8	12	20
33-3000	Law Enforcement Workers	N/A	48,170	48,100	-0.1%	-34	1,564	2,308	3,838
33-3011	Bailiffs	MT OJT	590	580	-1.7%	-2	60	21	79
33-3012	Correctional Officers & Jailers	MT OJT	16,480	16,250	-1.4%	-116	563	848	1,295
33-3021	Detectives & Criminal Investigators	WK EXP	4,040	4,060	0.5%	9	128	168	305
33-3041	Parking Enforcement Workers	ST OJT	690	690	0.0%	0	38	35	73
33-3051	Police & Sheriff's Patrol Officers	MT OJT	26,230	26,380	0.6%	75	768	1,228	2,071
33-9000	Other Protective Service Workers	N/A	63,400	64,080	1.1%	337	5,672	5,050	11,059
33-9011	Animal Control Workers	MT OJT	100	100	0.0%	0	5	4	9
33-9021	Private Detectives & Investigators	WK EXP	1,530	1,560	2.0%	14	64	76	154
33-9031	Gaming Surveillance Officers & Gaming Investigators	WK EXP	510	500	-2.0%	-4	30	38	64
33-9032	Security Guards	ST OJT	40,480	40,830	0.9%	178	2,351	3,022	5,551
33-9091	Crossing Guards	ST OJT	7,680	7,830	2.0%	74	1,324	402	1,800
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	5,240	5,330	1.7%	48	842	708	1,598
33-9093	Transportation Security Screeners	ST OJT	1,480	1,480	0.0%	0	64	72	136
33-9094	School Bus Monitors	ST OJT	1,490	1,500	0.7%	2	209	70	281
33-9099	Protective Service Workers, Other	ST OJT	4,890	4,940	1.0%	24	782	658	1,464
35-0000	Food Preparation & Serving Related Occupations	N/A	491,870	500,120	1.7%	4,124	43,731	52,240	100,095
35-1000	Supervisors - Food Preparation & Serving Workers	N/A	47,620	48,650	2.2%	516	2,376	4,540	7,432
35-1011	Chefs & Head Cooks	WK EXP	4,030	4,120	2.2%	45	158	321	524
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	43,590	44,530	2.2%	470	2,218	4,220	6,908
35-2000	Cooks & Food Preparation Workers	N/A	103,990	106,730	2.6%	1,370	7,608	8,744	17,722
35-2011	Cooks, Fast Food	ST OJT	9,730	9,590	-1.4%	-70	658	788	1,376
35-2012	Cooks, Institution & Cafeteria	ST OJT	18,900	19,100	1.1%	99	1,296	1,549	2,944
35-2014	Cooks, Restaurant	MT OJT	49,080	51,730	5.4%	1,326	3,438	4,110	8,874
35-2015	Cooks, Short Order	ST OJT	3,920	3,910	-0.3%	-4	267	319	582
35-2021	Food Preparation Workers	ST OJT	20,690	20,730	0.2%	19	1,836	1,842	3,697
35-3000	Food & Beverage Serving Workers	N/A	289,370	293,080	1.3%	1,855	28,287	33,984	64,126

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35-3011	Bartenders	ST OJT	25,130	25,590	1.8%	232	1,376	2,958	4,566
35-3023	Fast Food & Counter Workers	ST OJT	166,800	169,290	1.5%	1,246	18,557	19,807	39,610
35-3031	Waiters & Waitresses	ST OJT	82,310	82,900	0.7%	295	7,106	9,982	17,383
35-3041	Food Servers, Nonrestaurant	ST OJT	15,140	15,310	1.1%	82	1,248	1,238	2,568
35-9000	Other Food Preparation & Serving Related Workers	N/A	50,900	51,670	1.5%	384	5,460	4,972	10,816
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	14,240	14,590	2.5%	178	1,380	1,298	2,856
35-9021	Dishwashers	ST OJT	18,730	18,890	0.9%	82	1,657	1,580	3,319
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	17,440	17,680	1.4%	120	2,361	2,050	4,531
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	500	510	2.0%	5	61	42	108
37-0000	Building & Grounds Cleaning & Maintenance Occupations	N/A	202,140	204,900	1.4%	1,378	12,988	14,404	28,770
37-1000	Supervisors - Building & Grounds Cleaning & Maintenance Workers	N/A	14,620	14,880	1.8%	130	684	918	1,732
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	8,040	8,210	2.1%	82	422	509	1,013
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	6,580	6,680	1.5%	48	263	409	720
37-2000	Building Cleaning & Pest Control Workers	N/A	140,540	142,320	1.3%	892	9,984	9,779	20,655
37-2011	Janitors & Cleaners	ST OJT	98,340	99,520	1.2%	588	6,890	6,878	14,356
37-2012	Maids & Housekeeping Cleaners	ST OJT	40,350	40,920	1.4%	288	3,026	2,728	6,042
37-2019	Building Cleaning Workers, Other	ST OJT	190	200	5.3%	2	14	14	30
37-2021	Pest Control Workers	MT OJT	1,650	1,680	1.8%	15	54	158	227
37-3000	Grounds Maintenance Workers	N/A	46,990	47,700	1.5%	356	2,320	3,707	6,383
37-3011	Landscaping & Groundskeeping Workers	ST OJT	44,700	45,380	1.5%	341	2,239	3,498	6,078
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	360	360	0.0%	2	12	34	48
37-3013	Tree Trimmers & Pruners	ST OJT	1,690	1,720	1.8%	14	62	154	230
37-3019	Grounds Maintenance Workers, Other	ST OJT	240	240	0.0%	0	8	22	30
39-0000	Personal Care & Service Occupations	N/A	186,970	189,480	1.3%	1,250	12,575	18,492	32,317
39-1000	Supervisors - Personal Care & Service Workers	N/A	17,130	17,420	1.7%	144	728	1,124	1,996
39-1013	Supervisors - Gambling Services Workers	WK EXP	1,000	1,010	1.0%	2	42	66	110
39-1014	Supervisors - Entertainment & Recreation Workers	WK EXP	5,120	5,210	1.8%	44	218	336	598
39-1022	Supervisors - Personal Service Workers	WK EXP	11,000	11,200	1.8%	97	468	722	1,287
39-2000	Animal Care & Service Workers	N/A	13,380	13,870	3.7%	248	842	1,520	2,610
39-2011	Animal Trainers	MT OJT	2,080	2,150	3.4%	39	94	198	331
39-2021	Nonfarm Animal Caretakers	ST OJT	11,300	11,720	3.7%	210	748	1,322	2,280
39-3000	Entertainment Attendants & Related Workers	N/A	21,110	21,150	0.2%	20	2,253	3,256	5,529
39-3011	Gaming Dealers	ST OJT	3,350	3,320	-0.9%	-15	174	355	514
39-3012	Gaming & Sports Book Writers & Runners	ST OJT	250	260	4.0%	1	14	27	42
39-3021	Motion Picture Projectionists	ST OJT	110	110	0.0%	0	12	18	30

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39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	3,920	3,940	0.5%	12	546	600	1,158
39-3091	Amusement & Recreation Attendants	ST OJT	12,910	12,950	0.3%	17	1,446	2,164	3,627
39-3092	Costume Attendants	ST OJT	260	260	0.0%	1	29	44	74
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	260	270	3.8%	3	30	44	77
39-4000	Funeral Service Workers	N/A	3,370	3,380	0.3%	6	159	289	454
39-4021	Funeral Attendants	ST OJT	1,860	1,870	0.5%	3	88	182	273
39-4031	Morticians, Undertakers & Funeral Directors	AD+	1,400	1,410	0.7%	4	66	97	167
39-5000	Personal Appearance Workers	N/A	51,620	52,580	1.9%	482	2,954	3,893	7,329
39-5011	Barbers	PS	2,600	2,650	1.9%	26	94	184	304
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	38,160	38,870	1.9%	356	2,296	2,894	5,546
39-5092	Manicurists & Pedicurists	PS	7,660	7,800	1.8%	69	382	513	964
39-5093	Shampooers	ST OJT	1,620	1,660	2.5%	18	102	166	286
39-5094	Skincare Specialists	PS	1,540	1,570	1.9%	12	78	133	223
39-6000	Transportation, Tourism & Lodging Attendants	N/A	2,190	2,260	3.2%	32	122	226	380
39-6011	Baggage Porters & Bellhops	ST OJT	650	680	4.6%	12	36	68	116
39-6012	Concierges	MT OJT	1,540	1,580	2.6%	20	86	158	264
39-7000	Tour & Travel Guides	N/A	2,220	2,270	2.3%	28	206	266	500
39-7010	Tour & Travel Guides	MT OJT	2,220	2,270	2.3%	28	206	266	500
39-9000	Other Personal Care & Service Workers	N/A	75,970	76,550	0.8%	290	5,310	7,917	13,517
39-9011	Childcare Workers	ST OJT	48,370	48,430	0.1%	27	3,494	4,512	8,033
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	10,360	10,610	2.4%	122	636	1,285	2,043
39-9032	Recreation Workers	ST OJT	8,980	9,100	1.3%	60	662	1,180	1,902
39-9041	Residential Advisors	ST OJT	5,340	5,400	1.1%	34	301	626	961
39-9099	Personal Care & Service Workers, Other	ST OJT	2,920	3,010	3.1%	46	216	313	575
41-0000	Sales & Related Occupations	N/A	538,030	541,390	0.6%	1,678	32,122	39,166	72,966
41-1000	Supervisors - Sales Workers	N/A	65,000	64,990	0.0%	-4	2,462	3,666	6,124
41-1011	Supervisors - Retail Sales Workers	WK EXP	51,230	51,180	-0.1%	-26	1,996	3,021	4,991
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	13,770	13,820	0.4%	23	466	644	1,133
41-2000	Retail Sales Workers	N/A	308,460	309,220	0.2%	376	23,935	26,416	50,727
41-2011	Cashiers	ST OJT	128,860	127,840	-0.8%	-511	12,344	12,438	24,271
41-2012	Gaming Change Persons & Booth Cashiers	ST OJT	490	490	0.0%	-4	47	48	91
41-2021	Counter & Rental Clerks	ST OJT	9,930	10,050	1.2%	59	565	591	1,215
41-2022	Parts Salespersons	MT OJT	10,590	10,640	0.5%	28	516	719	1,263
41-2031	Retail Salespersons	ST OJT	158,600	160,210	1.0%	803	10,463	12,620	23,886
41-3000	Sales Representatives, Services	N/A	73,360	74,800	2.0%	722	2,264	4,168	7,154

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41-3011	Advertising Sales Agents	MT OJT	4,720	4,680	-0.8%	-20	166	327	473
41-3021	Insurance Sales Agents	MT OJT	20,140	20,730	2.9%	296	764	848	1,908
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	13,730	14,060	2.4%	162	385	630	1,177
41-3041	Travel Agents	MT OJT	1,290	1,320	2.3%	11	84	78	173
41-3091	Sales Representatives - Services	MT OJT	33,480	34,020	1.6%	273	866	2,284	3,423
41-4000	Sales Representatives, Wholesale & Manufacturing	N/A	65,570	66,460	1.4%	442	2,196	3,608	6,246
41-4011	Sales Representatives, Technical & Scientific Products	BD+	8,250	8,410	1.9%	78	277	456	811
41-4012	Sales Representatives	MT OJT	57,320	58,050	1.3%	364	1,919	3,152	5,435
41-9000	Other Sales & Related Workers	N/A	25,640	25,920	1.1%	141	1,265	1,308	2,714
41-9011	Demonstrators & Product Promoters	ST OJT	940	950	1.1%	7	104	66	177
41-9021	Real Estate Brokers	WK EXP	3,280	3,350	2.1%	36	154	120	310
41-9022	Real Estate Sales Agents	MT OJT	12,370	12,620	2.0%	126	583	454	1,163
41-9031	Sales Engineers	BD+	2,560	2,600	1.6%	20	80	153	253
41-9041	Telemarketers	ST OJT	4,200	4,080	-2.9%	-60	206	350	496
41-9099	Sales & Related Workers, Other	ST OJT	1,860	1,890	1.6%	16	104	140	260
43-0000	Office & Administrative Support Occupations	N/A	805,620	799,500	-0.8%	-3,060	43,438	47,868	88,246
43-1000	Supervisors - Office & Administrative Support Workers	N/A	65,810	65,410	-0.6%	-199	2,746	3,516	6,063
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	65,810	65,410	-0.6%	-199	2,746	3,516	6,063
43-2000	Communications Equipment Operators	N/A	2,030	1,950	-3.9%	-40	92	109	161
43-2011	Switchboard Operators	ST OJT	1,800	1,730	-3.9%	-34	78	94	138
43-3000	Financial Clerks	N/A	119,720	118,280	-1.2%	-720	6,705	6,330	12,315
43-3011	Bill & Account Collectors	MT OJT	7,540	7,440	-1.3%	-50	364	431	745
43-3021	Billing & Posting Clerks	MT OJT	17,310	17,310	0.0%	0	820	950	1,770
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	65,730	65,340	-0.6%	-198	4,248	3,340	7,390
43-3041	Gaming Cage Workers	ST OJT	170	170	0.0%	-2	6	10	14
43-3051	Payroll & Timekeeping Clerks	MT OJT	7,330	7,140	-2.6%	-96	350	374	628
43-3061	Procurement Clerks	MT OJT	2,480	2,450	-1.2%	-16	74	155	213
43-3071	Tellers	ST OJT	18,820	18,110	-3.8%	-358	830	1,046	1,518
43-3099	Financial Clerks, Other	ST OJT	330	330	0.0%	1	12	21	34
43-4000	Information & Record Clerks	N/A	214,630	214,180	-0.2%	-228	12,006	15,688	27,466
43-4011	Brokerage Clerks	MT OJT	1,900	1,890	-0.5%	-2	98	116	212
43-4021	Correspondence Clerks	ST OJT	260	260	0.0%	-2	12	17	27
43-4031	Court, Municipal & License Clerks	LT OJT	2,110	2,120	0.5%	5	110	100	215
43-4041	Credit Authorizers, Checkers & Clerks	MT OJT	400	400	0.0%	0	14	19	33
43-4051	Customer Service Representatives	ST OJT	120,240	119,830	-0.3%	-204	6,708	9,413	15,917

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43-4061	Eligibility Interviewers, Government Programs	MT OJT	8,450	8,500	0.6%	28	333	398	759
43-4071	File Clerks	ST OJT	2,830	2,750	-2.8%	-40	172	168	300
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	9,040	9,320	3.1%	140	580	880	1,600
43-4111	Interviewers	ST OJT	4,940	4,860	-1.6%	-40	256	330	546
43-4121	Library Assistants, Clerical	ST OJT	4,480	4,520	0.9%	20	445	336	801
43-4131	Loan Interviewers & Clerks	ST OJT	7,290	7,220	-1.0%	-37	244	352	559
43-4141	New Accounts Clerks	MT OJT	2,100	2,020	-3.8%	-40	66	121	147
43-4151	Order Clerks	PS	4,180	4,040	-3.3%	-68	198	268	398
43-4161	Human Resources Assistants	AD	4,460	4,430	-0.7%	-14	194	298	478
43-4171	Receptionists & Information Clerks	ST OJT	36,060	36,040	-0.1%	-12	2,282	2,506	4,776
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	3,020	3,090	2.3%	31	146	190	367
43-4199	Information & Record Clerks, Other	ST OJT	2,880	2,900	0.7%	8	150	176	334
43-5000	Material Recording, Scheduling, Dispatching & Distributing Workers	N/A	84,760	84,700	-0.1%	-30	3,629	4,430	8,029
43-5011	Cargo & Freight Agents	ST OJT	1,750	1,830	4.6%	40	72	109	221
43-5021	Couriers & Messengers	ST OJT	5,610	5,650	0.7%	18	271	329	618
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	3,450	3,470	0.6%	10	160	184	354
43-5032	Dispatchers	MT OJT	6,860	6,900	0.6%	21	274	369	664
43-5041	Meter Readers, Utilities	ST OJT	580	570	-1.7%	-7	24	25	42
43-5051	Postal Service Clerks	ST OJT	3,600	3,620	0.6%	8	176	129	313
43-5052	Postal Service Mail Carriers	ST OJT	13,490	13,560	0.5%	33	548	461	1,042
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	6,510	6,490	-0.3%	-13	342	230	559
43-5061	Production, Planning & Expediting Clerks	MT OJT	10,670	10,800	1.2%	68	418	670	1,156
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	30,270	29,860	-1.4%	-206	1,239	1,790	2,823
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	1,970	1,970	0.0%	-2	106	134	238
43-6000	Secretaries & Administrative Assistants	N/A	139,800	137,790	-1.4%	-1,004	7,782	7,314	14,092
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	12,290	11,870	-3.4%	-210	545	681	1,016
43-6012	Legal Secretaries	MT OJT	7,570	7,290	-3.7%	-139	430	408	699
43-6013	Medical Secretaries	MT OJT	26,370	26,520	0.6%	74	1,402	1,339	2,815
43-6014	Secretaries	ST OJT	93,570	92,110	-1.6%	-730	5,405	4,886	9,561
43-9000	Other Office & Administrative Support Workers	N/A	178,870	177,200	-0.9%	-839	10,476	10,482	20,119
43-9021	Data Entry Keyers	ST OJT	7,660	7,320	-4.4%	-168	375	490	697
43-9022	Word Processors & Typists	ST OJT	5,050	4,680	-7.3%	-186	378	262	454
43-9031	Desktop Publishers	AD	120	110	-8.3%	-2	4	8	10
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	9,260	9,300	0.4%	20	374	462	856
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	4,100	4,070	-0.7%	-12	270	260	518

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43-9061	Office Clerks, General	ST OJT	144,910	144,010	-0.6%	-450	8,730	8,493	16,773
43-9071	Office Machine Operators	ST OJT	1,330	1,300	-2.3%	-14	78	99	163
43-9081	Proofreaders & Copy Markers	BD	250	250	0.0%	0	19	16	35
43-9111	Statistical Assistants	BD	340	330	-2.9%	0	10	19	29
43-9199	Office & Administrative Support Workers, Other	ST OJT	5,870	5,820	-0.9%	-27	238	374	585
45-0000	Farming, Fishing & Forestry Occupations	N/A	45,660	45,480	-0.4%	-90	2,559	4,113	6,582
45-1000	Supervisors - Farming, Fishing & Forestry Workers	N/A	2,180	2,200	0.9%	10	115	172	297
45-1011	Supervisors - Farming, Fishing & Forestry Workers	WK EXP	2,180	2,200	0.9%	10	115	172	297
45-2000	Agricultural Workers	N/A	42,080	41,880	-0.5%	-100	2,374	3,806	6,080
45-2011	Agricultural Inspectors	BD+	420	420	0.0%	1	20	46	67
45-2021	Animal Breeders	ST OJT	380	390	2.6%	2	22	35	59
45-2041	Graders & Sorters, Agricultural Products	ST OJT	1,060	1,040	-1.9%	-7	57	94	144
45-2091	Agricultural Equipment Operators	MT OJT	2,410	2,450	1.7%	20	138	220	378
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	24,450	24,270	-0.7%	-88	1,381	2,204	3,497
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	12,980	12,930	-0.4%	-28	734	1,172	1,878
45-2099	Agricultural Workers, Other	ST OJT	380	380	0.0%	0	22	34	56
45-4000	Forest, Conservation & Logging Workers	N/A	1,360	1,370	0.7%	2	68	132	202
45-4011	Forest & Conservation Workers	MT OJT	200	200	0.0%	-2	11	24	33
45-4021	Fallers	MT OJT	140	140	0.0%	0	7	13	20
45-4022	Logging Equipment Operators	MT OJT	670	680	1.5%	2	34	63	99
45-4023	Log Graders & Scalers	MT OJT	280	280	0.0%	1	14	26	41
45-4029	Logging Workers, Other	MT OJT	60	70	16.7%	0	3	6	9
47-0000	Construction & Extraction Occupations	N/A	257,090	259,770	1.0%	1,338	8,962	12,936	23,236
47-1000	Supervisors - Construction & Extraction Workers	N/A	29,020	29,300	1.0%	136	970	1,324	2,430
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	29,020	29,300	1.0%	136	970	1,324	2,430
47-2000	Construction Trades Workers	N/A	191,080	193,140	1.1%	1,030	6,385	9,552	16,967
47-2011	Boilermakers	LT OJT	130	130	0.0%	0	4	6	10
47-2021	Brickmasons & Blockmasons	LT OJT	3,990	4,010	0.5%	12	142	176	330
47-2031	Carpenters	LT OJT	38,230	38,540	0.8%	154	1,336	1,807	3,297
47-2041	Carpet Installers	ST OJT	1,160	1,140	-1.7%	-6	37	52	83
47-2042	Floor Layers	MT OJT	720	730	1.4%	8	24	32	64
47-2044	Tile & Marble Setters	LT OJT	1,140	1,160	1.8%	10	37	52	99
47-2051	Cement Masons & Concrete Finishers	MT OJT	5,390	5,380	-0.2%	-4	136	266	398
47-2061	Construction Laborers	ST OJT	49,750	50,480	1.5%	366	1,732	2,529	4,627
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	610	620	1.6%	3	20	31	54

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47-2072	Pile-Driver Operators	MT OJT	70	70	0.0%	0	2	4	6
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	24,320	24,580	1.1%	126	811	1,232	2,169
47-2081	Drywall & Ceiling Tile Installers	MT OJT	2,980	3,010	1.0%	11	72	125	208
47-2111	Electricians	LT OJT	23,030	23,430	1.7%	198	772	1,252	2,222
47-2121	Glaziers	LT OJT	1,190	1,200	0.8%	4	50	66	120
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	200	200	0.0%	1	6	10	17
47-2132	Insulation Workers, Mechanical	LT OJT	1,090	1,100	0.9%	5	32	52	89
47-2141	Painters, Construction & Maintenance	MT OJT	10,160	10,260	1.0%	46	346	436	828
47-2142	Paperhangers	LT OJT	110	110	0.0%	0	4	4	8
47-2151	Pipelayers	ST OJT	610	610	0.0%	0	14	32	46
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	16,030	16,160	0.8%	66	507	863	1,436
47-2161	Plasterers & Stucco Masons	LT OJT	390	390	0.0%	1	12	16	29
47-2171	Reinforcing Iron & Rebar Workers	LT OJT	260	260	0.0%	0	9	12	21
47-2181	Roofers	MT OJT	4,840	4,870	0.6%	20	132	240	392
47-2211	Sheet Metal Workers	LT OJT	2,590	2,600	0.4%	3	95	140	238
47-2221	Structural Iron & Steel Workers	LT OJT	1,770	1,780	0.6%	6	44	106	156
47-3000	Helpers, Construction Trades	N/A	5,030	5,020	-0.2%	-2	179	372	549
47-3011	Helpers--Brick, Block, Stonemasons, Tile & Marble Setters	ST OJT	240	240	0.0%	-2	8	18	24
47-3012	Helpers--Carpenters	ST OJT	910	910	0.0%	-3	32	67	96
47-3013	Helpers--Electricians	ST OJT	2,100	2,090	-0.5%	-4	74	154	224
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	1,190	1,200	0.8%	4	42	88	134
47-3019	Helpers, Construction Trades, Other	ST OJT	470	480	2.1%	2	17	35	54
47-4000	Other Construction & Related Workers	N/A	23,360	23,640	1.2%	140	1,106	1,132	2,378
47-4011	Construction & Building Inspectors	WK EXP	5,870	5,890	0.3%	10	383	281	674
47-4021	Elevator Installers & Repairers	LT OJT	640	640	0.0%	2	18	32	52
47-4031	Fence Erectors	MT OJT	1,290	1,290	0.0%	1	35	72	108
47-4041	Hazardous Materials Removal Workers	MT OJT	1,920	1,950	1.6%	18	86	120	224
47-4051	Highway Maintenance Workers	MT OJT	11,000	11,170	1.5%	86	496	492	1,074
47-4061	Rail-Track Laying & Maintenance Equipment Operators	MT OJT	840	850	1.2%	2	21	38	61
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	1,410	1,440	2.1%	18	52	76	146
47-4090	Miscellaneous Construction & Related Workers	MT OJT	400	400	0.0%	2	14	22	38
47-5000	Extraction Workers	N/A	8,610	8,680	0.8%	34	322	556	912
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	80	80	0.0%	0	2	6	8
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	1,830	1,840	0.5%	6	54	131	191
47-5022	Excavating & Loading Machine Oprs, Surface Mining	WK EXP	1,890	1,900	0.5%	6	88	101	195

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47-5023	Earth Drillers	WK EXP	920	930	1.1%	4	43	50	97
47-5032	Explosives Workers, Ordnance Handling Experts, & Blasters	WK EXP	240	240	0.0%	1	9	12	22
47-5041	Continuous Mining Machine Operators	MT OJT	570	580	1.8%	5	24	38	67
47-5043	Roof Bolters, Mining	MT OJT	170	160	-5.9%	-4	7	11	14
47-5044	Loading & Moving Machine Operators, Underground Mining	ST OJT	520	510	-1.9%	-5	20	34	49
47-5051	Rock Splitters, Quarry	ST OJT	290	300	3.4%	5	10	23	38
47-5071	Roustabouts, Oil & Gas	MT OJT	2,050	2,080	1.5%	16	62	147	225
49-0000	Installation, Maintenance & Repair Occupations	N/A	248,390	252,260	1.6%	1,932	9,547	12,050	23,529
49-1000	Supervisors - Installation, Maintenance & Repair Workers	N/A	23,240	23,520	1.2%	143	901	1,015	2,059
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	23,240	23,520	1.2%	143	901	1,015	2,059
49-2000	Electrical & Electronic Equipment Mechanics, Installers & Repairers	N/A	17,850	18,030	1.0%	90	632	1,076	1,798
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	2,800	2,760	-1.4%	-18	96	171	249
49-2021	Radio, Cellular & Tower Equipment Installers & Repairers	AD+	340	350	2.9%	4	12	22	38
49-2022	Telecommunications Equipment Installers & Repairers	PS+	6,480	6,630	2.3%	76	233	424	733
49-2091	Avionics Technicians	AD	280	290	3.6%	5	14	10	29
49-2092	Electric Motor, Power Tool & Related Repairers	WK EXP	420	430	2.4%	2	14	18	34
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS+	2,310	2,310	0.0%	2	77	116	195
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS+	1,880	1,880	0.0%	0	62	95	157
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	330	330	0.0%	0	8	23	31
49-2098	Security & Fire Alarm Systems Installers	MT OJT	2,770	2,810	1.4%	19	106	182	307
49-3000	Vehicle & Mobile Equipment Mechanics, Installers	N/A	76,830	77,640	1.1%	406	2,774	3,774	6,954
49-3011	Aircraft Mechanics & Service Technicians	PS	2,930	2,990	2.0%	32	87	126	245
49-3021	Automotive Body & Related Repairers	LT OJT	6,680	6,730	0.7%	27	288	285	600
49-3022	Automotive Glass Installers & Repairers	MT OJT	590	600	1.7%	4	16	30	50
49-3023	Automotive Service Technicians & Mechanics	PS	35,320	35,630	0.9%	156	1,232	1,754	3,142
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	14,180	14,330	1.1%	76	509	663	1,248
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	1,560	1,600	2.6%	19	52	78	149
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	7,880	7,980	1.3%	50	257	394	701
49-3043	Rail Car Repairers	LT OJT	1,310	1,330	1.5%	8	42	66	116
49-3051	Motorboat Mechanics & Service Technicians	LT OJT	240	240	0.0%	1	12	12	25
49-3052	Motorcycle Mechanics	PS	690	690	0.0%	2	35	33	70
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	2,400	2,430	1.2%	12	122	115	249
49-3091	Bicycle Repairers	MT OJT	480	500	4.2%	8	20	34	62
49-3092	Recreational Vehicle Service Technicians	LT OJT	410	420	2.4%	4	16	30	50
49-3093	Tire Repairers & Changers	ST OJT	2,180	2,190	0.5%	7	86	155	248

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49-9000	Other Installation, Maintenance & Repair Occupations	N/A	130,470	133,060	2.0%	1,294	5,240	6,186	12,720
49-9011	Mechanical Door Repairers	MT OJT	1,360	1,390	2.2%	14	46	54	114
49-9012	Control & Valve Installers & Repairers	MT OJT	1,410	1,420	0.7%	4	48	55	107
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	19,220	19,520	1.6%	150	607	1,000	1,757
49-9031	Home Appliance Repairers	MT OJT	1,070	1,070	0.0%	2	42	49	93
49-9041	Industrial Machinery Mechanics	LT OJT	18,750	19,500	4.0%	379	680	792	1,851
49-9043	Maintenance Workers, Machinery	LT OJT	4,050	4,150	2.5%	50	198	180	428
49-9044	Millwrights	LT OJT	1,140	1,150	0.9%	10	38	52	100
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	4,650	4,730	1.7%	40	128	225	393
49-9052	Telecommunications Line Installers & Repairers	LT OJT	3,760	3,860	2.7%	48	117	218	383
49-9062	Medical Equipment Repairers	AD+	2,370	2,440	3.0%	36	92	126	254
49-9063	Musical Instrument Repairers & Tuners	LT OJT	300	300	0.0%	1	12	16	29
49-9069	Precision Instrument & Equipment Repairers, Other	LT OJT	570	580	1.8%	2	22	30	54
49-9071	Maintenance & Repair Workers, General	MT OJT	61,780	62,780	1.6%	500	2,744	2,842	6,086
49-9081	Wind Turbine Service Technicians	PS+	160	180	12.5%	10	6	10	26
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	1,380	1,380	0.0%	-2	72	80	150
49-9094	Locksmiths & Safe Repairers	LT OJT	530	530	0.0%	-3	32	26	55
49-9095	Manufactured Building & Mobile Home Installers	ST OJT	120	110	-8.3%	-2	4	6	8
49-9096	Riggers	MT OJT	260	260	0.0%	0	12	14	26
49-9097	Signal & Track Switch Repairers	MT OJT	80	80	0.0%	0	3	4	7
49-9098	Helpers--Installation, Maintenance & Repair Workers	ST OJT	2,140	2,160	0.9%	12	131	107	250
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	5,310	5,400	1.7%	44	206	297	547
51-0000	Production Occupations	N/A	380,160	380,850	0.2%	344	16,680	24,015	41,039
51-1000	Supervisors - Production Workers	N/A	27,670	27,890	0.8%	114	1,001	1,568	2,683
51-1011	Supervisors - Production & Operating Workers	WK EXP	27,670	27,890	0.8%	114	1,001	1,568	2,683
51-2000	Assemblers & Fabricators	N/A	78,050	77,790	-0.3%	-130	3,424	4,802	8,096
51-2011	Aircraft Structure, Surfaces, Rigging & Systems Assemblers	MT OJT	750	740	-1.3%	-4	32	47	75
51-2028	Electrical, Electronic, & Electromechanical Assemblers	MT OJT	17,070	17,260	1.1%	95	852	959	1,906
51-2031	Engine & Other Machine Assemblers	MT OJT	290	290	0.0%	-3	17	18	32
51-2041	Structural Metal Fabricators & Fitters	MT OJT	2,300	2,240	-2.6%	-30	84	148	202
51-2051	Fiberglass Laminators & Fabricators	MT OJT	650	660	1.5%	4	28	42	74
51-2090	Misc. Assemblers & Fabricators	MT OJT	56,810	56,430	-0.7%	-188	2,402	3,578	5,792
51-3000	Food Processing Workers	N/A	29,710	29,980	0.9%	134	1,812	2,268	4,214
51-3011	Bakers	MT OJT	10,330	10,470	1.4%	72	734	781	1,587
51-3021	Butchers & Meat Cutters	LT OJT	3,590	3,610	0.6%	8	178	246	432

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51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	2,260	2,260	0.0%	0	112	154	266
51-3023	Slaughterers & Meat Packers	ST OJT	2,770	2,760	-0.4%	-8	136	188	316
51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators	MT OJT	980	990	1.0%	6	50	80	136
51-3092	Food Batchmakers	MT OJT	8,180	8,280	1.2%	50	530	692	1,272
51-3093	Food Cooking Machine Operators	MT OJT	910	910	0.0%	0	41	86	127
51-3099	Food Processing Workers, Other	MT OJT	690	700	1.4%	6	30	40	76
51-4000	Metal Workers & Plastic Workers	N/A	80,080	80,470	0.5%	194	2,951	4,866	8,011
51-4021	Extruding & Drawing Machine Operators	MT OJT	3,840	3,860	0.5%	13	149	243	405
51-4022	Forging Machine Operators	MT OJT	440	430	-2.3%	-4	17	28	41
51-4023	Rolling Machine Operators	MT OJT	1,600	1,600	0.0%	-2	62	100	160
51-4031	Cutting, Punching & Press Machine Operators	MT OJT	6,350	6,290	-0.9%	-30	220	391	581
51-4032	Drilling & Boring Machine Tool Operators	MT OJT	210	210	0.0%	-4	14	12	22
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Operators	MT OJT	4,320	4,290	-0.7%	-12	171	280	439
51-4034	Lathe & Turning Machine Tool Operators	MT OJT	710	700	-1.4%	-4	48	41	85
51-4035	Milling & Planing Machine Operators	MT OJT	320	320	0.0%	-2	22	18	38
51-4041	Machinists	LT OJT	12,910	13,060	1.2%	74	518	738	1,330
51-4051	Metal-Refining Furnace Operators	MT OJT	1,750	1,770	1.1%	12	54	120	186
51-4052	Pourers & Casters, Metal	MT OJT	1,070	1,090	1.9%	7	33	74	114
51-4071	Foundry Mold & Coremakers	MT OJT	1,080	1,050	-2.8%	-12	34	60	82
51-4072	Molding, Coremaking & Casting Machine Operators	MT OJT	6,690	6,700	0.1%	8	212	379	599
51-4081	Multiple Machine Tool Operators	MT OJT	11,090	11,240	1.4%	72	440	634	1,146
51-4111	Tool & Die Makers	PS+	3,670	3,660	-0.3%	-8	184	192	368
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	17,930	18,150	1.2%	108	546	1,195	1,849
51-4122	Welding, Soldering & Brazing Machine Operators	MT OJT	1,480	1,470	-0.7%	-5	44	98	137
51-4191	Heat Treating Equipment Operators	MT OJT	1,450	1,450	0.0%	-3	57	82	136
51-4192	Layout Workers	MT OJT	170	180	5.9%	1	7	10	18
51-4193	Plating & Coating Machine Operators	MT OJT	1,710	1,690	-1.2%	-10	67	96	153
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	150	150	0.0%	-1	6	8	13
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	960	960	0.0%	-3	38	54	89
51-5100	Printing Workers	N/A	10,950	10,660	-2.6%	-144	494	644	994
51-5111	Prepress Technician & Workers	PS	1,050	1,010	-3.8%	-22	62	66	106
51-5112	Printing Press Operators	MT OJT	8,200	8,050	-1.8%	-76	360	499	783
51-5113	Print Binding & Finishing Workers	MT OJT	1,700	1,610	-5.3%	-46	73	78	105
51-6000	Textile, Apparel & Furnishings Workers	N/A	14,640	14,620	-0.1%	-10	1,013	785	1,788

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51-6011	Laundry & Dry-Cleaning Workers	ST OJT	5,150	5,190	0.8%	22	393	304	719
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	1,110	1,060	-4.5%	-22	79	58	115
51-6031	Sewing Machine Operators	ST OJT	4,090	4,070	-0.5%	-9	266	192	449
51-6041	Shoe & Leather Workers & Repairers	MT OJT	90	90	0.0%	0	6	5	11
51-6051	Sewers, Hand	MT OJT	260	250	-3.8%	-3	22	12	31
51-6052	Tailors, Dressmakers & Custom Sewers	MT OJT	1,130	1,120	-0.9%	-7	98	56	147
51-6061	Textile Bleaching & Dyeing Machine Operators	ST OJT	290	290	0.0%	2	16	17	35
51-6062	Textile Cutting Machine Operators	MT OJT	240	240	0.0%	0	13	14	27
51-6063	Textile Knitting & Weaving Machine Operators	ST OJT	750	750	0.0%	4	40	43	87
51-6064	Textile Winding, Twisting & Drawing Out Machine Operators	MT OJT	540	540	0.0%	2	28	31	61
51-6091	Extruding & Forming Machine Operators, Synthetic & Glass Fibers	MT OJT	190	190	0.0%	2	10	10	22
51-6093	Upholsterers	MT OJT	350	350	0.0%	2	16	17	35
51-6099	Textile, Apparel & Furnishings Workers, Other	ST OJT	200	200	0.0%	0	12	11	23
51-7000	Woodworkers	N/A	11,330	11,480	1.3%	74	472	664	1,210
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	5,580	5,660	1.4%	42	232	306	580
51-7021	Furniture Finishers	ST OJT	820	830	1.2%	6	48	46	100
51-7041	Sawing Machine Operators, Wood	MT OJT	2,250	2,270	0.9%	10	99	152	261
51-7042	Woodworking Machine Operators	MT OJT	2,580	2,610	1.2%	16	86	155	257
51-8000	Plant & System Operators	N/A	12,640	12,570	-0.6%	-34	469	694	1,129
51-8012	Power Distributors & Dispatchers	LT OJT	590	590	0.0%	0	18	31	49
51-8013	Power Plant Operators	LT OJT	1,230	1,210	-1.6%	-10	36	64	90
51-8021	Stationary Engineers & Boiler Operators	LT OJT	2,040	2,060	1.0%	12	94	117	223
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	6,150	6,090	-1.0%	-30	254	316	540
51-8092	Gas Plant Operators	LT OJT	890	870	-2.2%	-8	22	58	72
51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	MT OJT	1,000	1,000	0.0%	2	25	65	92
51-8099	Plant & System Operators, Other	MT OJT	230	240	4.3%	2	6	16	24
51-9000	Other Production Occupations	N/A	115,100	115,390	0.3%	146	5,044	7,724	12,914
51-9011	Chemical Equipment Operators	MT OJT	5,680	5,630	-0.9%	-27	178	346	497
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Operators	MT OJT	2,020	2,040	1.0%	13	64	124	201
51-9021	Crushing, Grinding & Polishing Machine Operators	MT OJT	1,480	1,500	1.4%	8	54	98	160
51-9022	Grinding & Polishing Workers, Hand	MT OJT	440	430	-2.3%	-6	16	28	38
51-9023	Mixing & Blending Machine Operators	MT OJT	4,600	4,640	0.9%	24	167	302	493
51-9031	Cutters & Trimmers, Hand	ST OJT	210	200	-4.8%	-4	10	12	18
51-9032	Cutting & Slicing Machine Operators	MT OJT	1,880	1,880	0.0%	0	88	113	201

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51-9041	Extruding, Forming, Pressing & Compacting Machine Operators	MT OJT	2,400	2,410	0.4%	6	100	137	243
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	MT OJT	510	520	2.0%	6	22	34	62
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	23,390	23,330	-0.3%	-26	980	1,684	2,638
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	1,140	1,150	0.9%	4	88	66	158
51-9081	Dental Laboratory Technicians	MT OJT	1,060	1,060	0.0%	4	48	74	126
51-9082	Medical Appliance Technicians	MT OJT	680	690	1.5%	6	31	48	85
51-9083	Ophthalmic Laboratory Technicians	MT OJT	320	330	3.1%	2	14	23	39
51-9111	Packaging & Filling Machine Operators	MT OJT	20,820	21,030	1.0%	108	997	1,232	2,337
51-9123	Painting, Coating & Decorating Workers	MT OJT	90	90	0.0%	0	3	6	9
51-9124	Coating, Painting & Spraying Machine Oprs/Tenders	MT OJT	7,050	7,140	1.3%	45	214	420	679
51-9141	Semiconductor Processors	MT OJT	330	330	0.0%	3	14	22	39
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	420	420	0.0%	-4	16	38	50
51-9161	CNC Tool Operators	MT OJT	11,720	11,630	-0.8%	-45	364	690	1,009
51-9162	CNC Tool Programmers	PS+	980	1,020	4.1%	20	31	59	110
51-9191	Adhesive Bonding Machine Operators	MT OJT	540	550	1.9%	4	18	30	52
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators	MT OJT	770	780	1.3%	3	32	51	86
51-9193	Cooling & Freezing Equipment Operators	MT OJT	170	180	5.9%	2	7	12	21
51-9194	Etchers & Engravers	MT OJT	210	210	0.0%	0	22	11	33
51-9195	Molders, Shapers & Casters	LT OJT	2,520	2,580	2.4%	31	140	183	354
51-9196	Paper Goods Machine Operators	MT OJT	4,990	5,010	0.4%	13	210	352	575
51-9197	Tire Builders	MT OJT	370	370	0.0%	-1	13	24	36
51-9198	Helpers--Production Workers	ST OJT	13,450	13,300	-1.1%	-77	900	1,183	2,006
51-9199	Production Workers, Other	MT OJT	4,890	4,950	1.2%	34	204	322	560
53-0000	Transportation & Material Moving Occupations	N/A	591,830	599,350	1.3%	3,760	31,090	43,864	78,714
53-1000	Supervisors - Transportation & Material Moving Workers	N/A	24,110	24,360	1.0%	125	820	1,586	2,531
53-1041	Aircraft Cargo Handling Supervisors	WK EXP	440	440	0.0%	1	15	29	45
53-1047	Supervisors - Transportation & Material Moving Workers	WK EXP	23,670	23,910	1.0%	124	805	1,558	2,487
53-2000	Air Transportation Workers	N/A	5,080	5,160	1.6%	37	206	362	605
53-2011	Airline Pilots, Copilots & Flight Engineers	BD+	1,820	1,840	1.1%	10	64	142	216
53-2012	Commercial Pilots	PS+	740	760	2.7%	6	26	58	90
53-2021	Air Traffic Controllers	AD+	710	710	0.0%	1	18	43	62
53-3000	Motor Vehicle Operators	N/A	199,670	202,630	1.5%	1,477	11,184	11,320	23,981
53-3011	Ambulance Drivers & Attendants	MT OJT	680	670	-1.5%	-4	28	66	90
53-3031	Driver/Sales Workers	ST OJT	17,660	17,950	1.6%	148	806	1,043	1,997

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53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	91,590	92,960	1.5%	686	4,178	5,406	10,270
53-3033	Light Truck or Delivery Services Drivers	ST OJT	44,890	45,420	1.2%	269	2,044	2,645	4,958
53-3051	Bus Drivers, School	ST OJT	22,300	22,530	1.0%	118	2,370	1,027	3,515
53-3052	Bus Drivers, Transit & Intercity	MT OJT	5,090	5,150	1.2%	28	408	240	676
53-3053	Shuttle Drivers & Chauffeurs	ST OJT	11,050	11,250	1.8%	99	954	562	1,615
53-3054	Taxi Drivers	ST OJT	4,670	4,900	4.9%	116	243	226	585
53-3099	Motor Vehicle Operators, Other	ST OJT	1,750	1,780	1.7%	16	152	105	273
53-4000	Rail Transportation Workers	N/A	5,530	5,540	0.2%	3	144	300	447
53-4011	Locomotive Engineers	WK EXP	1,680	1,680	0.0%	1	48	83	132
53-4013	Rail Yard Engineers, Dinkey Operators & Hostlers	MT OJT	70	70	0.0%	0	2	4	6
53-4022	Railroad Brake/Signal/Switch Oprs & Locomotive Firers	MT OJT	390	390	0.0%	1	13	24	38
53-4031	Railroad Conductors & Yardmasters	MT OJT	3,350	3,350	0.0%	1	79	186	266
53-5000	Water Transportation Workers	N/A	1,250	1,280	2.4%	17	48	81	146
53-5011	Sailors & Marine Oilers	MT OJT	340	350	2.9%	4	13	23	40
53-5021	Captains, Mates & Pilots of Water Vessels	PS+	780	800	2.6%	12	30	50	92
53-6000	Other Transportation Workers	N/A	6,980	7,040	0.9%	30	378	590	998
53-6021	Parking Lot Attendants	ST OJT	3,970	3,990	0.5%	9	216	350	575
53-6031	Automotive & Watercraft Service Attendants	ST OJT	1,570	1,590	1.3%	8	82	146	236
53-6032	Aircraft Service Attendants	ST OJT	230	240	4.3%	4	12	22	38
53-6051	Transportation Inspectors	MT OJT	490	490	0.0%	4	16	27	47
53-6061	Transportation Attendants	ST OJT	310	320	3.2%	3	34	18	55
53-6099	Transportation Workers, Other	ST OJT	220	220	0.0%	1	8	14	23
53-7000	Material Moving Workers	N/A	349,220	353,360	1.2%	2,071	18,310	29,625	50,006
53-7011	Conveyor Operators	ST OJT	800	800	0.0%	-1	30	48	77
53-7021	Crane & Tower Operators	WK EXP	2,070	2,100	1.4%	14	68	122	204
53-7051	Industrial Truck & Tractor Operators	ST OJT	32,410	32,480	0.2%	36	1,040	2,073	3,149
53-7061	Cleaners of Vehicles & Equipment	ST OJT	13,130	13,270	1.1%	74	716	1,020	1,810
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	153,690	155,080	0.9%	694	7,372	12,546	20,612
53-7063	Machine Feeders & Offbearers	ST OJT	2,780	2,800	0.7%	12	220	214	446
53-7064	Packers & Packagers, Hand	ST OJT	31,750	32,110	1.1%	180	1,916	2,638	4,734
53-7065	Stockers & Order Fillers	ST OJT	106,150	108,150	1.9%	1,000	6,666	10,490	18,156
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	280	280	0.0%	0	10	18	28
53-7072	Pump Operators	MT OJT	440	440	0.0%	2	15	28	45
53-7073	Wellhead Pumpers	WK EXP	770	770	0.0%	2	27	50	79

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53-7081	Refuse & Recyclable Material Collectors	ST OJT	4,560	4,670	2.4%	54	211	352	617
53-7121	Tank Car, Truck & Ship Loaders	ST OJT	130	140	7.7%	3	6	9	18
53-7199	Material Moving Workers, Other	ST OJT	210	210	0.0%	2	10	14	26

FOOTNOTES:

Data may not add to totals due to rounding. Confidential data and occupations with employment less than 50 are not shown but are included in all sub-total and total employment values.

1/ Demand due to employment growth measures the numerical change in projected number of job gains or losses.

2/ Demand due to exits measure the projected number of workers leaving an occupation and exiting the workforce entirely.

3/ Demand due to transfers are the projected number of workers leaving an occupation and transferring to a different occupation.

4/ Total demand is the projected number of openings (positions) for workers entering the occupation. Defined as the sum of the demand due to growth, exits, and transfers.