



3 RIVERS WIB
THREE RIVERS WORKFORCE INVESTMENT BOARD

Healthcare Practitioners and Technical Occupations in Allegheny County 2015-2025



Healthcare Practitioners and Technical Occupations

Regions

Code	Description
42003	Allegheny County, PA

Timeframe

2015 - 2025

Datarun

2016.1 – QCEW Employees



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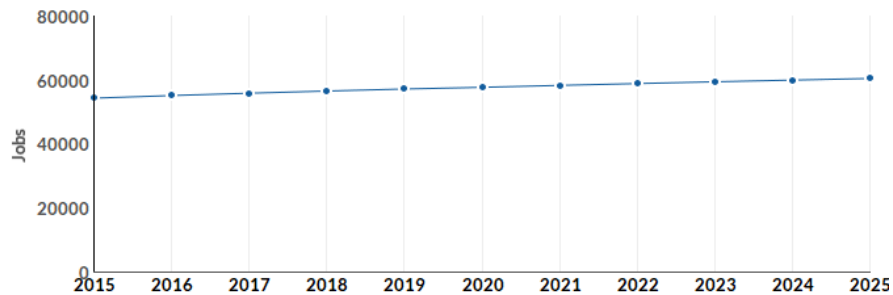
Occupation Summary for Healthcare Practitioners and Technical Occupations

54,387 Jobs (2015) 35% above National average	11.3% % Change (2015-2025) Nation: 17.6%	\$34.41/hr Median Hourly Earnings Nation: \$35.73/hr
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Growth

54,387 2015 Jobs	60,536 2025 Jobs	6,149 Change (2015-2025)	11.3% % Change (2015-2025)
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Occupation	2015 Jobs	2025 Jobs	Change	% Change
Chiropractors (29-1011)	228	259	31	14%
Dentists, General (29-1021)	375	411	36	10%
Oral and Maxillofacial Surgeons (29-1022)	12	14	2	17%
Orthodontists (29-1023)	9	11	2	22%
Prosthodontists (29-1024)	2	2	0	0%
Dentists, All Other Specialists (29-1029)	6	7	1	17%
Dietitians and Nutritionists (29-1031)	386	434	48	12%
Optometrists (29-1041)	258	289	31	12%
Pharmacists (29-1051)	1,554	1,562	8	1%
Anesthesiologists (29-1061)	169	196	27	16%
Family and General Practitioners (29-1062)	454	504	50	11%
Internists, General (29-1063)	103	122	19	18%
Obstetricians and Gynecologists (29-1064)	41	50	9	22%
Pediatricians, General (29-1065)	55	71	16	29%
Psychiatrists (29-1066)	105	113	8	8%



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Occupation	2015 Jobs	2025 Jobs	Change	% Change
Surgeons (29-1067)	183	214	31	17%
Physicians and Surgeons, All Other (29-1069)	3,004	3,302	298	10%
Physician Assistants (29- 1071)	710	865	155	22%
Podiatrists (29-1081)	83	78	-5	-6%
Occupational Therapists (29-1122)	1,031	1,198	167	16%
Physical Therapists (29- 1123)	1,662	2,030	368	22%
Radiation Therapists (29- 1124)	67	81	14	21%
Recreational Therapists (29- 1125)	120	123	3	3%
Respiratory Therapists (29- 1126)	1,016	1,161	145	14%
Speech-Language Pathologists (29-1127)	741	864	123	17%
Exercise Physiologists (29- 1128)	29	31	2	7%
Therapists, All Other (29- 1129)	38	44	6	16%
Veterinarians (29-1131)	309	363	54	17%
Registered Nurses (29- 1141)	21,810	24,018	2,208	10%
Nurse Anesthetists (29- 1151)	526	575	49	9%
Nurse Midwives (29-1161)	18	21	3	17%
Nurse Practitioners (29- 1171)	427	543	116	27%
Audiologists (29-1181)	70	91	21	30%
Health Diagnosing and Treating Practitioners, All Other (29-1199)	145	157	12	8%
Medical and Clinical Laboratory Technologists (29-2011)	1,399	1,477	78	6%
Medical and Clinical	1,503	1,722	219	15%



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Occupation	2015 Jobs	2025 Jobs	Change	% Change
Laboratory Technicians (29-2012)				
Dental Hygienists (29-2021)	1,405	1,562	157	11%
Cardiovascular Technologists and Technicians (29-2031)	438	517	79	18%
Diagnostic Medical Sonographers (29-2032)	400	509	109	27%
Nuclear Medicine Technologists (29-2033)	171	188	17	10%
Radiologic Technologists (29-2034)	1,806	1,985	179	10%
Magnetic Resonance Imaging Technologists (29-2035)	158	179	21	13%
Emergency Medical Technicians and Paramedics (29-2041)	1,380	1,522	142	10%
Dietetic Technicians (29-2051)	257	280	23	9%
Pharmacy Technicians (29-2052)	1,613	1,608	-5	0%
Psychiatric Technicians (29-2053)	208	158	-50	-24%
Respiratory Therapy Technicians (29-2054)	53	59	6	11%
Surgical Technologists (29-2055)	654	776	122	19%
Veterinary Technologists and Technicians (29-2056)	564	712	148	26%
Ophthalmic Medical Technicians (29-2057)	248	284	36	15%
Licensed Practical and Licensed Vocational Nurses (29-2061)	3,640	4,113	473	13%
Medical Records and Health Information Technicians (29-2071)	1,017	1,140	123	12%
Opticians, Dispensing (29-2081)	490	551	61	12%



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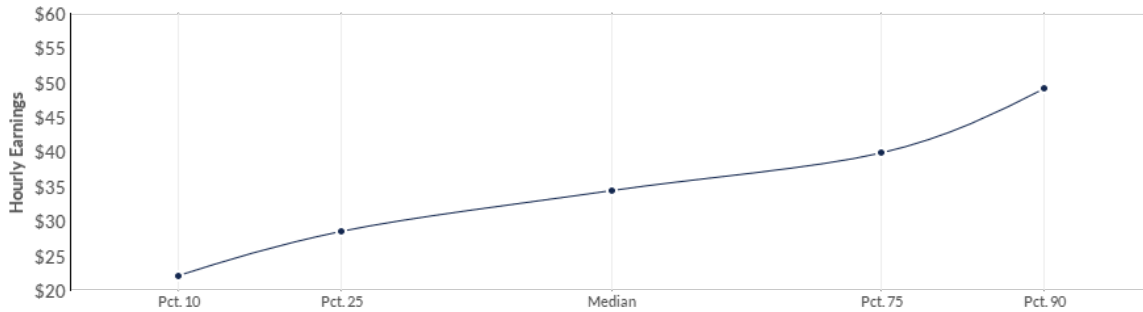
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Occupation	2015 Jobs	2025 Jobs	Change	% Change
Orthotists and Prosthetists (29-2091)	22	29	7	32%
Hearing Aid Specialists (29-2092)	14	18	4	29%
Health Technologists and Technicians, All Other (29-2099)	446	522	76	17%
Occupational Health and Safety Specialists (29-9011)	336	350	14	4%
Occupational Health and Safety Technicians (29-9012)	52	55	3	6%
Athletic Trainers (29-9091)	226	252	26	12%
Genetic Counselors (29-9092)	7	9	2	29%
Healthcare Practitioners and Technical Workers, All Other (29-9099)	131	153	22	17%



Percentile Earnings

\$28.51/hr 25th Percentile Earnings	\$34.41/hr Median Earnings	\$39.87/hr 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Chiropractors (29-1011)	\$15.91	\$32.06	\$47.05
Dentists, General (29-1021)	\$47.72	\$70.79	\$93.86
Oral and Maxillofacial Surgeons (29-1022)	\$92.51	\$96.19	\$119.25
Orthodontists (29-1023)	\$86.69	\$106.34	\$120.69
Prosthodontists (29-1024)	\$36.58	\$43.44	\$76.56
Dentists, All Other Specialists (29-1029)	\$51.85	\$83.43	\$92.93
Dietitians and Nutritionists (29-1031)	\$21.20	\$24.93	\$29.86
Optometrists (29-1041)	\$22.20	\$49.75	\$69.44
Pharmacists (29-1051)	\$44.96	\$52.55	\$58.39
Anesthesiologists (29-1061)	\$108.84	\$108.91	\$141.74
Family and General Practitioners (29-1062)	\$74.84	\$97.02	\$106.84
Internists, General (29-1063)	\$76.00	\$108.80	\$117.02
Obstetricians and Gynecologists (29-1064)	\$104.70	\$116.07	\$140.72
Pediatricians, General (29-1065)	\$62.35	\$81.46	\$94.55
Psychiatrists (29-1066)	\$66.16	\$88.10	\$94.02
Surgeons (29-1067)	\$102.77	\$102.77	\$130.65
Physicians and Surgeons, All	\$71.52	\$98.56	\$105.58



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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Other (29-1069)			
Physician Assistants (29-1071)	\$37.22	\$43.04	\$48.13
Podiatrists (29-1081)	\$52.51	\$83.00	\$116.06
Occupational Therapists (29-1122)	\$28.00	\$33.11	\$37.74
Physical Therapists (29-1123)	\$31.25	\$39.00	\$47.63
Radiation Therapists (29-1124)	\$26.68	\$31.05	\$37.65
Recreational Therapists (29-1125)	\$15.53	\$20.98	\$25.60
Respiratory Therapists (29-1126)	\$21.94	\$25.30	\$28.83
Speech-Language Pathologists (29-1127)	\$27.95	\$35.20	\$45.09
Exercise Physiologists (29-1128)	\$19.57	\$25.39	\$34.38
Therapists, All Other (29-1129)	\$19.88	\$26.46	\$29.46
Veterinarians (29-1131)	\$40.84	\$48.29	\$59.64
Registered Nurses (29-1141)	\$26.23	\$30.11	\$35.19
Nurse Anesthetists (29-1151)	\$69.51	\$77.28	\$90.77
Nurse Midwives (29-1161)	\$43.32	\$49.11	\$53.19
Nurse Practitioners (29-1171)	\$40.41	\$44.57	\$48.67
Audiologists (29-1181)	\$24.67	\$27.13	\$31.04
Health Diagnosing and Treating Practitioners, All Other (29-1199)	\$27.92	\$32.54	\$39.23
Medical and Clinical Laboratory Technologists (29-2011)	\$21.65	\$25.94	\$29.31
Medical and Clinical Laboratory Technicians (29-2012)	\$14.29	\$17.58	\$21.83
Dental Hygienists (29-2021)	\$25.60	\$27.95	\$30.28
Cardiovascular Technologists and Technicians (29-2031)	\$16.95	\$21.95	\$28.78
Diagnostic Medical Sonographers (29-2032)	\$23.59	\$27.18	\$30.75
Nuclear Medicine Technologists (29-2033)	\$24.76	\$28.83	\$33.77
Radiologic Technologists (29-	\$20.49	\$23.93	\$28.51



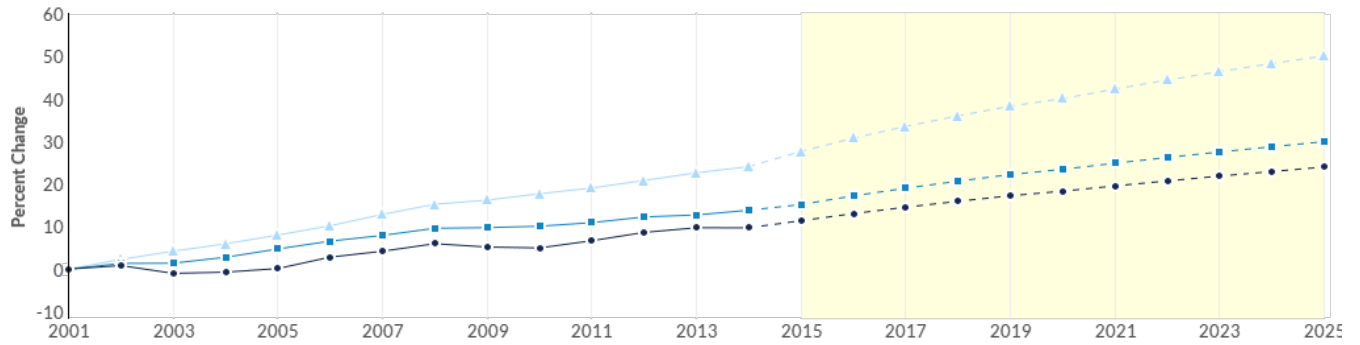
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
2034)			
Magnetic Resonance Imaging Technologists (29-2035)	\$23.31	\$26.79	\$30.01
Emergency Medical Technicians and Paramedics (29-2041)	\$13.13	\$15.92	\$19.23
Dietetic Technicians (29-2051)	\$8.69	\$9.92	\$14.27
Pharmacy Technicians (29-2052)	\$12.17	\$14.07	\$16.67
Psychiatric Technicians (29-2053)	\$13.09	\$14.21	\$15.41
Respiratory Therapy Technicians (29-2054)	\$12.60	\$20.48	\$24.12
Surgical Technologists (29-2055)	\$16.03	\$18.62	\$22.05
Veterinary Technologists and Technicians (29-2056)	\$13.46	\$16.47	\$18.99
Ophthalmic Medical Technicians (29-2057)	\$14.62	\$17.28	\$19.31
Licensed Practical and Licensed Vocational Nurses (29-2061)	\$18.12	\$21.01	\$23.33
Medical Records and Health Information Technicians (29-2071)	\$14.77	\$18.26	\$22.27
Opticians, Dispensing (29-2081)	\$14.91	\$19.27	\$24.75
Orthotists and Prosthetists (29-2091)	\$19.69	\$25.77	\$34.84
Hearing Aid Specialists (29-2092)	\$23.45	\$28.72	\$35.63
Health Technologists and Technicians, All Other (29-2099)	\$15.05	\$18.46	\$24.49
Occupational Health and Safety Specialists (29-9011)	\$26.41	\$34.66	\$42.31
Occupational Health and Safety Technicians (29-9012)	\$18.25	\$22.01	\$28.55
Athletic Trainers (29-9091)	\$17.02	\$18.78	\$22.17
Genetic Counselors (29-9092)	\$29.63	\$32.96	\$37.03
Healthcare Practitioners and Technical Workers, All Other (29-9099)	\$18.16	\$27.69	\$42.75



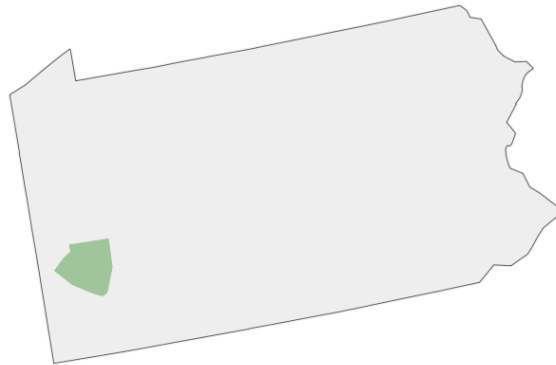
Regional Trends



	Region	2015 Jobs	2025 Jobs	Change	% Change
●	Region	54,387	60,536	6,149	11.3%
●	State	367,777	414,907	47,130	12.8%
●	Nation	8,128,788	9,557,546	1,428,758	17.6%



Regional Breakdown



* Highlighted areas show counties that contain the selected zip codes

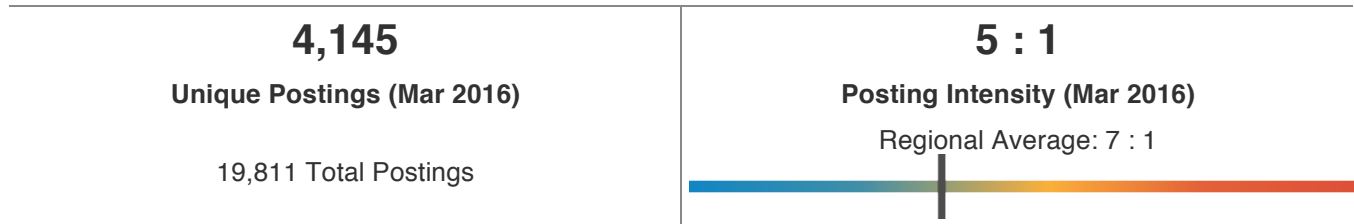
ZIP	2025 Jobs
Pittsburgh, PA 15213 (in Allegheny county)	7,731
Pittsburgh, PA 15224 (in Allegheny county)	4,231
Pittsburgh, PA 15237 (in Allegheny county)	3,429
Pittsburgh, PA 15219 (in Allegheny county)	2,909
Pittsburgh, PA 15232 (in Allegheny county)	2,672



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Job Postings Summary



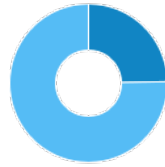
There were **19,811** total job postings for 61 Occupations in March 2016, of which **4,145** were unique. These numbers give us a Posting Intensity of **5-to-1**, meaning that for every 5 postings there is 1 unique job posting. This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that companies may not be trying as hard to hire this position.





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Occupation Gender Breakdown



	Gender	2015 Jobs	2015 Percent
•	Males	13,431	24.7% 
•	Females	40,956	75.3% 



Occupation Age Breakdown



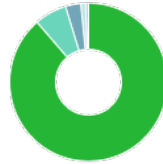
	Age	2015 Jobs	2015 Percent
●	14-18	29	0.1%
●	19-24	2,695	5.0% ■
●	25-34	12,403	22.8% ■■
●	35-44	11,609	21.3% ■■
●	45-54	13,986	25.7% ■■■
●	55-64	11,468	21.1% ■■
●	65+	2,197	4.0% ■










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Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2015 Jobs	2015 Percent
●	White	48,223	88.7% 
●	Black or African American	3,597	6.6% 
●	Asian	1,698	3.1% 
●	Hispanic or Latino	522	1.0% 
●	Two or More Races	280	0.5% 
●	American Indian or Alaska Native	44	0.1% 
●	Native Hawaiian or Other Pacific Islander	23	0.0% 



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Occupational Programs

84 Programs (2014)	4,217 Completions (2014)	1,922 Openings (2014)
CIP Code	Program	Completions (2014)
51.3801	Registered Nursing/Registered Nurse	1,222
51.2001	Pharmacy	299
51.0808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant	195
51.0912	Physician Assistant	189
51.2306	Occupational Therapy/Therapist	179



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Industries Employing Healthcare Practitioners and Technical Occupations

Industry	Occupation Group Jobs in Industry (2015)	% of Occupation Group in Industry (2015)	% of Total Jobs in Industry (2015)
General Medical and Surgical Hospitals	22,045	40.5%	58.7%
Offices of Physicians (except Mental Health Specialists)	7,632	14.0%	43.8%
Specialty (except Psychiatric and Substance Abuse) Hospitals	2,342	4.3%	54.7%
Nursing Care Facilities (Skilled Nursing Facilities)	2,082	3.8%	26.8%
Home Health Care Services	1,915	3.5%	27.1%



Appendix A - Occupations

Code	Description
29-1011	Chiropractors
29-1021	Dentists, General
29-1022	Oral and Maxillofacial Surgeons
29-1023	Orthodontists
29-1024	Prosthodontists
29-1029	Dentists, All Other Specialists
29-1031	Dietitians and Nutritionists
29-1041	Optometrists
29-1051	Pharmacists
29-1061	Anesthesiologists
29-1062	Family and General Practitioners
29-1063	Internists, General
29-1064	Obstetricians and Gynecologists
29-1065	Pediatricians, General
29-1066	Psychiatrists
29-1067	Surgeons
29-1069	Physicians and Surgeons, All Other
29-1071	Physician Assistants
29-1081	Podiatrists
29-1122	Occupational Therapists
29-1123	Physical Therapists
29-1124	Radiation Therapists
29-1125	Recreational Therapists
29-1126	Respiratory Therapists
29-1127	Speech-Language Pathologists
29-1128	Exercise Physiologists
29-1129	Therapists, All Other
29-1131	Veterinarians



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Code	Description
29-1141	Registered Nurses
29-1151	Nurse Anesthetists
29-1161	Nurse Midwives
29-1171	Nurse Practitioners
29-1181	Audiologists
29-1199	Health Diagnosing and Treating Practitioners, All Other
29-2011	Medical and Clinical Laboratory Technologists
29-2012	Medical and Clinical Laboratory Technicians
29-2021	Dental Hygienists
29-2031	Cardiovascular Technologists and Technicians
29-2032	Diagnostic Medical Sonographers
29-2033	Nuclear Medicine Technologists
29-2034	Radiologic Technologists
29-2035	Magnetic Resonance Imaging Technologists
29-2041	Emergency Medical Technicians and Paramedics
29-2051	Dietetic Technicians
29-2052	Pharmacy Technicians
29-2053	Psychiatric Technicians
29-2054	Respiratory Therapy Technicians
29-2055	Surgical Technologists
29-2056	Veterinary Technologists and Technicians
29-2057	Ophthalmic Medical Technicians
29-2061	Licensed Practical and Licensed Vocational Nurses
29-2071	Medical Records and Health Information Technicians
29-2081	Opticians, Dispensing
29-2091	Orthotists and Prosthetists
29-2092	Hearing Aid Specialists
29-2099	Health Technologists and Technicians, All Other
29-9011	Occupational Health and Safety Specialists
29-9012	Occupational Health and Safety Technicians
29-9091	Athletic Trainers



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Code	Description
29-9092	Genetic Counselors
29-9099	Healthcare Practitioners and Technical Workers, All Other



Appendix B - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data



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The
pattern

staffing
data in

this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Pennsylvania Department of Labor and Industry, Center for Workforce Information and Analysis