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THREE RIVERS WORKFORCE INVESTMENT BOARD

Protective Service Occupations in Allegheny County 2015-2025



Protective Service Occupations

Regions

Code	Description
42003	Allegheny County, PA

Timeframe

2015 - 2025

Datarun

2016.1 – QCEW Employees



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Occupation Summary for Protective Service Occupations

14,360 Jobs (2015) 15% below National average	4.2% % Change (2015-2025) Nation: 9.7%	\$18.63/hr Median Hourly Earnings Nation: \$20.80/hr
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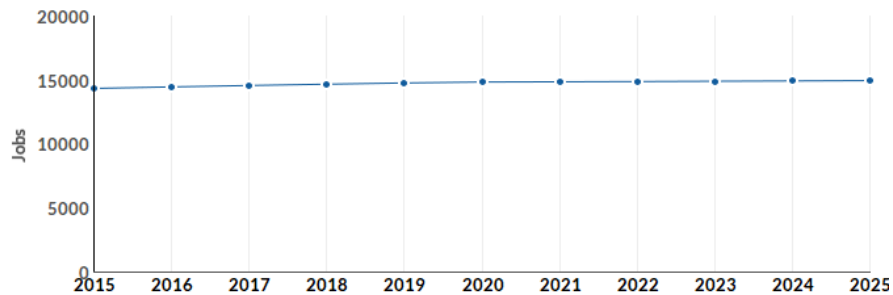


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Growth

14,360 2015 Jobs	14,967 2025 Jobs	607 Change (2015-2025)	4.2% % Change (2015-2025)
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Occupation	2015 Jobs	2025 Jobs	Change	% Change
First-Line Supervisors of Correctional Officers (33-1011)	49	51	2	4%
First-Line Supervisors of Police and Detectives (33-1012)	314	301	-13	-4%
First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)	118	115	-3	-3%
First-Line Supervisors of Protective Service Workers, All Other (33-1099)	371	404	33	9%
Firefighters (33-2011)	524	518	-6	-1%
Fire Inspectors and Investigators (33-2021)	22	22	0	0%
Forest Fire Inspectors and Prevention Specialists (33-2022)	6	6	0	0%
Bailiffs (33-3011)	22	21	-1	-5%
Correctional Officers and Jailers (33-3012)	828	860	32	4%
Detectives and Criminal Investigators (33-3021)	275	274	-1	0%
Fish and Game Wardens (33-3031)	10	10	0	0%



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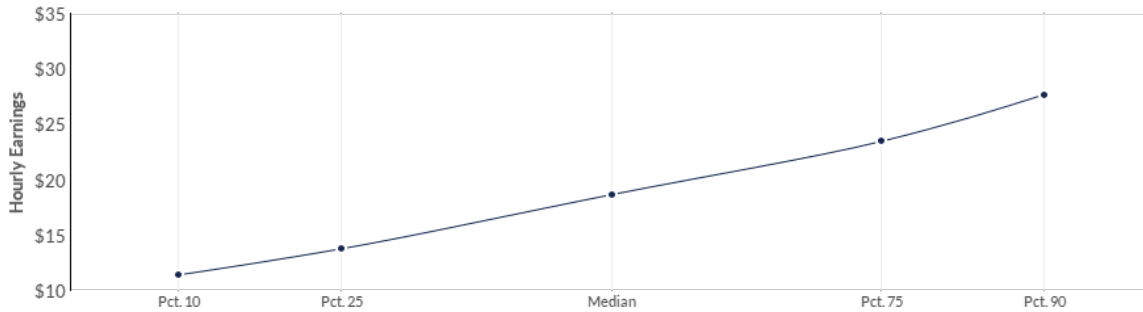
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Occupation	2015 Jobs	2025 Jobs	Change	% Change
Parking Enforcement Workers (33-3041)	82	74	-8	-10%
Police and Sheriff's Patrol Officers (33-3051)	3,060	2,929	-131	-4%
Transit and Railroad Police (33-3052)	20	19	-1	-5%
Animal Control Workers (33-9011)	26	26	0	0%
Private Detectives and Investigators (33-9021)	331	359	28	8%
Gaming Surveillance Officers and Gaming Investigators (33-9031)	109	132	23	21%
Security Guards (33-9032)	6,589	7,215	626	10%
Crossing Guards (33-9091)	538	526	-12	-2%
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers (33-9092)	572	575	3	1%
Transportation Security Screeners (33-9093)	241	260	19	8%
Protective Service Workers, All Other (33-9099)	251	271	20	8%



Percentile Earnings

\$13.75/hr 25th Percentile Earnings	\$18.63/hr Median Earnings	\$23.45/hr 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
First-Line Supervisors of Correctional Officers (33-1011)	\$29.50	\$35.42	\$39.42
First-Line Supervisors of Police and Detectives (33-1012)	\$28.93	\$37.05	\$49.75
First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)	\$33.37	\$39.91	\$47.82
First-Line Supervisors of Protective Service Workers, All Other (33-1099)	\$14.16	\$17.86	\$25.82
Firefighters (33-2011)	\$27.12	\$34.66	\$38.55
Fire Inspectors and Investigators (33-2021)	\$17.55	\$20.09	\$30.50
Forest Fire Inspectors and Prevention Specialists (33-2022)	\$13.91	\$16.49	\$28.19
Bailiffs (33-3011)	\$10.57	\$13.11	\$21.22
Correctional Officers and Jailers (33-3012)	\$20.99	\$25.08	\$32.07
Detectives and Criminal Investigators (33-3021)	\$29.65	\$41.67	\$57.44
Fish and Game Wardens (33-3031)	\$15.19	\$17.86	\$25.47
Parking Enforcement Workers (33-3041)	\$11.37	\$12.84	\$14.59
Police and Sheriff's Patrol	\$19.64	\$32.73	\$41.04



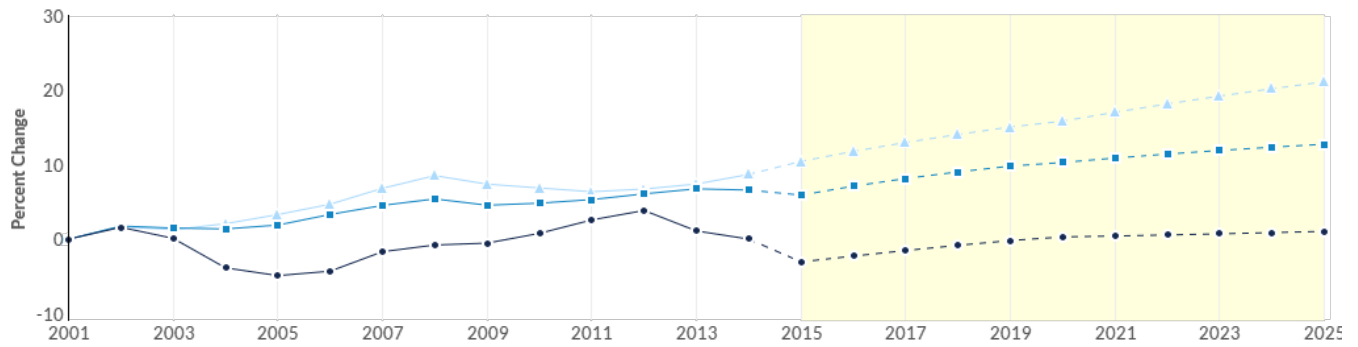
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Officers (33-3051)			
Transit and Railroad Police (33-3052)	\$28.55	\$31.88	\$41.95
Animal Control Workers (33-9011)	\$15.17	\$21.40	\$23.48
Private Detectives and Investigators (33-9021)	\$14.54	\$18.45	\$24.88
Gaming Surveillance Officers and Gaming Investigators (33-9031)	\$10.12	\$11.31	\$16.68
Security Guards (33-9032)	\$8.23	\$9.92	\$12.54
Crossing Guards (33-9091)	\$11.27	\$13.63	\$15.71
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers (33-9092)	\$8.92	\$9.65	\$10.39
Transportation Security Screeners (33-9093)	\$17.13	\$18.22	\$20.07
Protective Service Workers, All Other (33-9099)	\$9.82	\$14.53	\$21.24



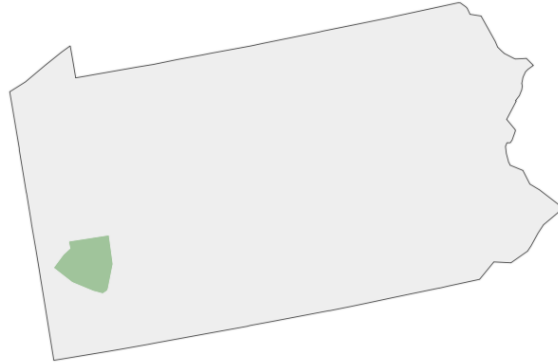
Regional Trends



	Region	2015 Jobs	2025 Jobs	Change	% Change
●	Region	14,360	14,967	607	4.2%
●	State	117,899	125,494	7,595	6.4%
●	Nation	3,379,313	3,706,067	326,754	9.7%



Regional Breakdown



* Highlighted areas show counties that contain the selected zip codes


ZIP	2025 Jobs
Pittsburgh, PA 15219 (in Allegheny county)	3,084
Pittsburgh, PA 15233 (in Allegheny county)	1,520
Pittsburgh, PA 15222 (in Allegheny county)	1,513
Pittsburgh, PA 15206 (in Allegheny county)	616
Pittsburgh, PA 15215 (in Allegheny county)	606



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Job Postings Summary

<p>513 Unique Postings (Mar 2016)</p> <p>3,115 Total Postings</p>	<p>6 : 1 Posting Intensity (Mar 2016)</p> <p>Regional Average: 7 : 1</p> 
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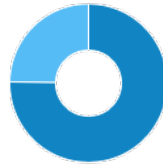
There were **3,115** total job postings for 22 Occupations in March 2016, of which **513** were unique. These numbers give us a Posting Intensity of **6-to-1**, meaning that for every 6 postings there is 1 unique job posting. This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that companies may not be trying as hard to hire this position.



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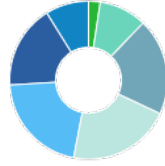
Occupation Gender Breakdown










	Gender	2015 Jobs	2015 Percent	
•	Males	10,806	75.3%	
•	Females	3,554	24.7%	



Occupation Age Breakdown



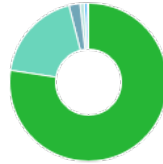
	Age	2015 Jobs	2015 Percent
●	14-18	345	2.4% 
●	19-24	1,401	9.8% 
●	25-34	2,845	19.8% 
●	35-44	3,024	21.1% 
●	45-54	3,015	21.0% 
●	55-64	2,455	17.1% 
●	65+	1,277	8.9% 



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Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2015 Jobs	2015 Percent	
●	White	11,115	77.4%	
●	Black or African American	2,671	18.6%	
●	Hispanic or Latino	323	2.2%	
●	Two or More Races	126	0.9%	
●	Asian	92	0.6%	
●	American Indian or Alaska Native	26	0.2%	
●	Native Hawaiian or Other Pacific Islander	9	0.1%	



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Occupational Programs

14 Programs (2014)	473 Completions (2014)	409 Openings (2014)
CIP Code	Program	Completions (2014)
43.0104	Criminal Justice/Safety Studies	103
43.9999	Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other	92
43.0199	Corrections and Criminal Justice, Other	79
43.0102	Corrections	50
43.0117	Financial Forensics and Fraud Investigation	47



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Industries Employing Protective Service Occupations

Industry	Occupation Group Jobs in Industry (2015)	% of Occupation Group in Industry (2015)	% of Total Jobs in Industry (2015)
Local Government, Excluding Education and Hospitals	4,975	34.6%	23.2%
Security Guards and Patrol Services	4,328	30.1%	92.3%
Federal Government, Civilian, Excluding Postal Service	607	4.2%	7.1%
State Government, Excluding Education and Hospitals	514	3.6%	14.4%
Colleges, Universities, and Professional Schools	394	2.7%	1.7%



Appendix A - Occupations

Code	Description
33-1011	First-Line Supervisors of Correctional Officers
33-1012	First-Line Supervisors of Police and Detectives
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers
33-1099	First-Line Supervisors of Protective Service Workers, All Other
33-2011	Firefighters
33-2021	Fire Inspectors and Investigators
33-2022	Forest Fire Inspectors and Prevention Specialists
33-3011	Bailiffs
33-3012	Correctional Officers and Jailers
33-3021	Detectives and Criminal Investigators
33-3031	Fish and Game Wardens
33-3041	Parking Enforcement Workers
33-3051	Police and Sheriff's Patrol Officers
33-3052	Transit and Railroad Police
33-9011	Animal Control Workers
33-9021	Private Detectives and Investigators
33-9031	Gaming Surveillance Officers and Gaming Investigators
33-9032	Security Guards
33-9091	Crossing Guards
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers
33-9093	Transportation Security Screeners
33-9099	Protective Service 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.



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Staffing Patterns Data

The staffing pattern 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