



AEP Ohio-Served Counties



BOUNDLESS ENERGY™

1 Riverside Plaza, 12th Floor
Columbus, Ohio 43215

Contents

Report Parameters	1
Economy Overview	2
Historic & Projected Trends	4
Population Characteristics	8
Industry Characteristics	9
Business Characteristics	15
Workforce Characteristics	17
Educational Pipeline	25
In-Demand Skills	26
Appendix A (Geographies)	27

Report Parameters

61 Counties

39001	Adams County, OH	39013	Belmont County, OH
39003	Allen County, OH	39015	Brown County, OH
39005	Ashland County, OH	39019	Carroll County, OH
39009	Athens County, OH	39029	Columbiana County, OH
39011	Auglaize County, OH	<i>See Appendix A for all 61 Counties</i>	

Class of Worker

QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen geographical areas.

Economy Overview

5,550,075

Population (2019)

Population grew by **98,862** over the last 5 years and is projected to grow by **76,922** over the next 5 years.

2,645,838

Total Regional Employment

Jobs grew by **115,199** over the last 5 years and are projected to grow by **87,091** over the next 5 years.

\$57.7K

Avg. Earnings Per Job (2019)

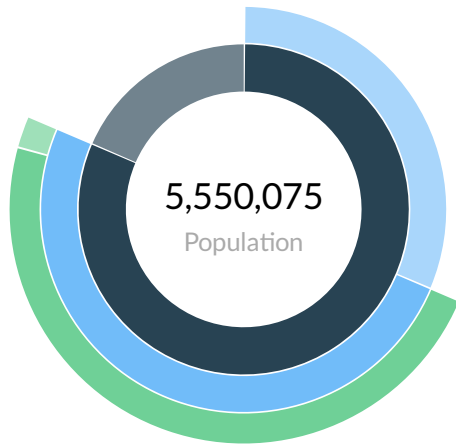
Regional average earnings per job are **\$9.6K below** the national average earnings of \$67.3K per job.

Takeaways

- As of 2019 the region's population **increased by 1.8%** since 2014, growing by 98,862. Population is expected to **increase by 1.4%** between 2019 and 2024, adding 76,922.
- From 2014 to 2019, jobs **increased by 4.6%** in AEP Ohio-Served Counties from 2,530,639 to **2,645,838**. This change **fell short of the national growth rate of 6.9% by 2.3%**. As the number of jobs increased, the **labor force participation rate increased from 60.9% to 61.5% between 2014 and 2019**.
- Concerning educational attainment, **16.1% of the selected regions' residents possess a Bachelor's Degree** (2.7% below the national average), and **8.1% hold an Associate's Degree** (the same as the national average).
- The top three industries in 2019 are Restaurants and Other Eating Places, Education and Hospitals (Local Government), and Local Government, Excluding Education and Hospitals.

	Population (2019)	Labor Force (2019)	Jobs (2019)	Cost of Living	GRP	Imports	Exports
Region	5,550,075	2,781,019	2,645,838	91.8	\$286.64B	\$270.41B	\$303.58B
State	11,709,093	5,927,567	5,957,076	92.5	\$654.88B	\$531.44B	\$648.67B

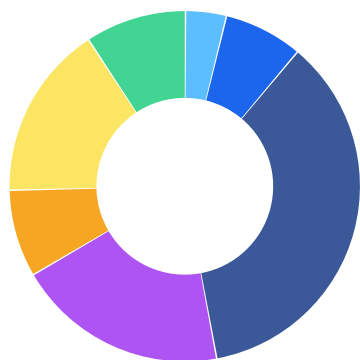
2019 Labor Force Breakdown



	Population
● Total Working Age Population	4,518,724
● Not in Labor Force (15+)	1,737,705
● Labor Force	2,781,019
● Employed	2,658,187
● Unemployed	122,832
● Under 15	1,031,351

Educational Attainment

Concerning educational attainment, **16.1% of the selected regions' residents possess a Bachelor's Degree** (2.7% below the national average), and **8.1% hold an Associate's Degree** (the same as the national average).

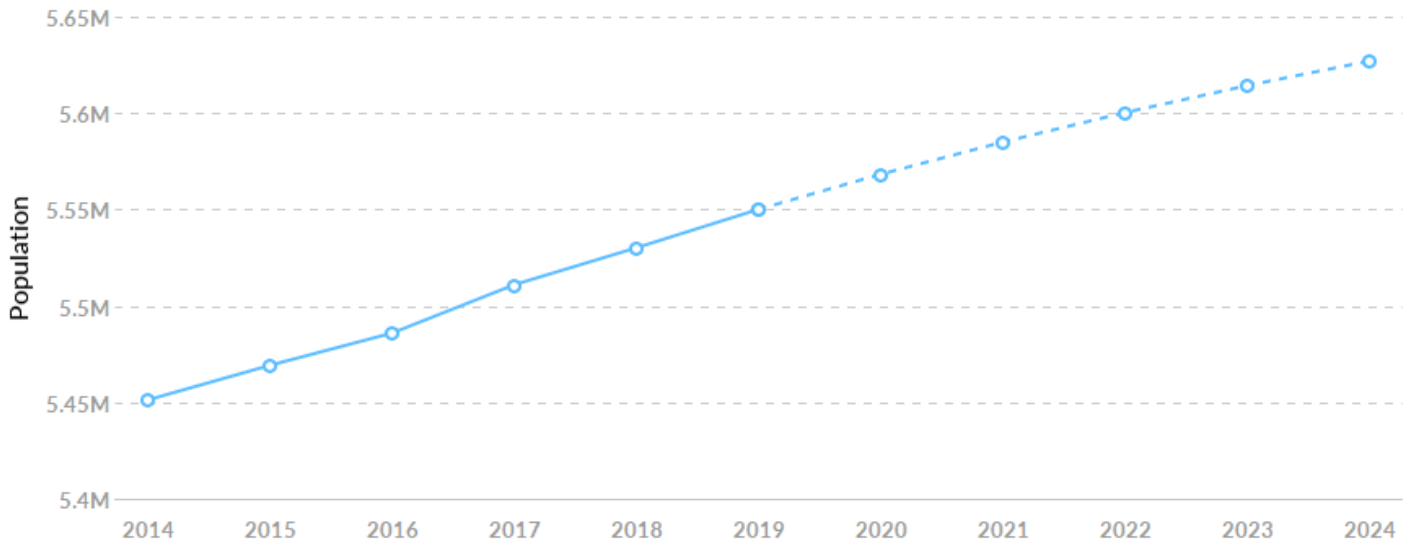


	% of Population	Population
● Less Than 9th Grade	3.8%	142,902
● 9th Grade to 12th Grade	7.3%	276,559
● High School Diploma	36.0%	1,366,399
● Some College	19.5%	741,068
● Associate's Degree	8.1%	305,916
● Bachelor's Degree	16.1%	612,407
● Graduate Degree and Higher	9.3%	353,919

Historic & Projected Trends

Population Trends

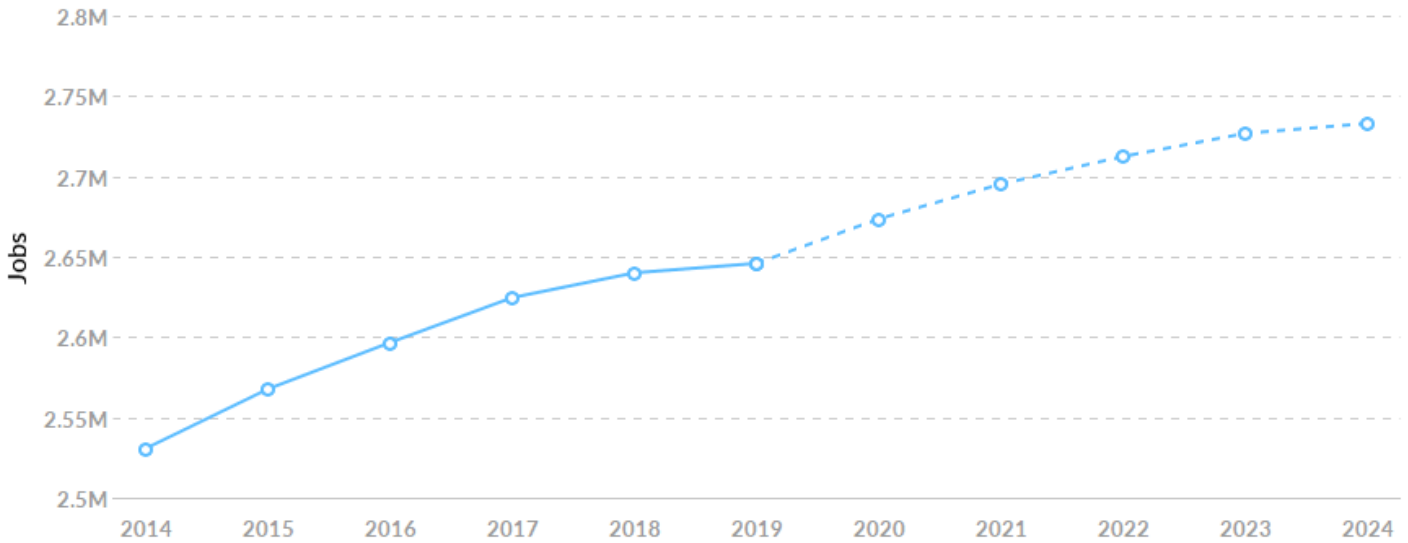
As of 2019 the region's population **increased by 1.8%** since 2014, growing by 98,862. Population is expected to **increase by 1.4%** between 2019 and 2024, adding 76,922.



Timeframe	Population
2014	5,451,212
2015	5,469,159
2016	5,485,907
2017	5,510,962
2018	5,530,125
2019	5,550,075
2020	5,568,260
2021	5,584,965
2022	5,600,259
2023	5,614,243
2024	5,626,997

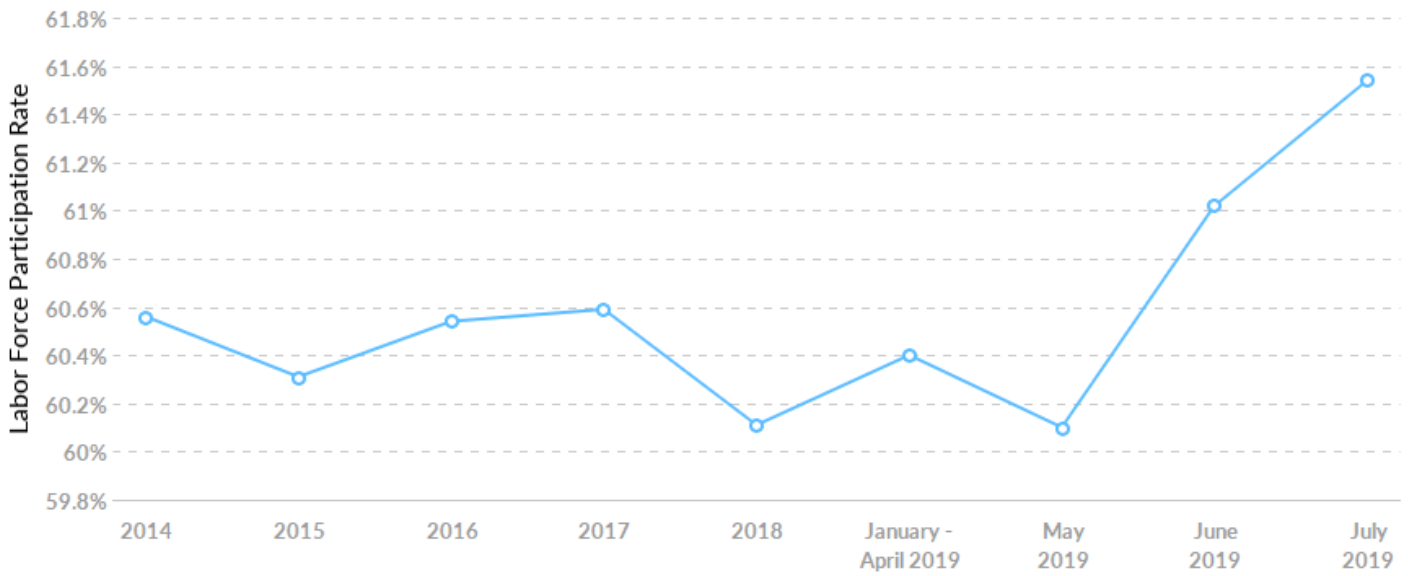
Job Trends

From 2014 to 2019, jobs increased by 4.6% in AEP Ohio-Served Counties from 2,530,639 to 2,645,838. This change fell short of the national growth rate of 6.9% by 2.3%.



Timeframe	Jobs
2014	2,530,639
2015	2,567,635
2016	2,596,566
2017	2,624,510
2018	2,639,940
2019	2,645,838
2020	2,673,533
2021	2,695,171
2022	2,712,353
2023	2,726,726
2024	2,732,929

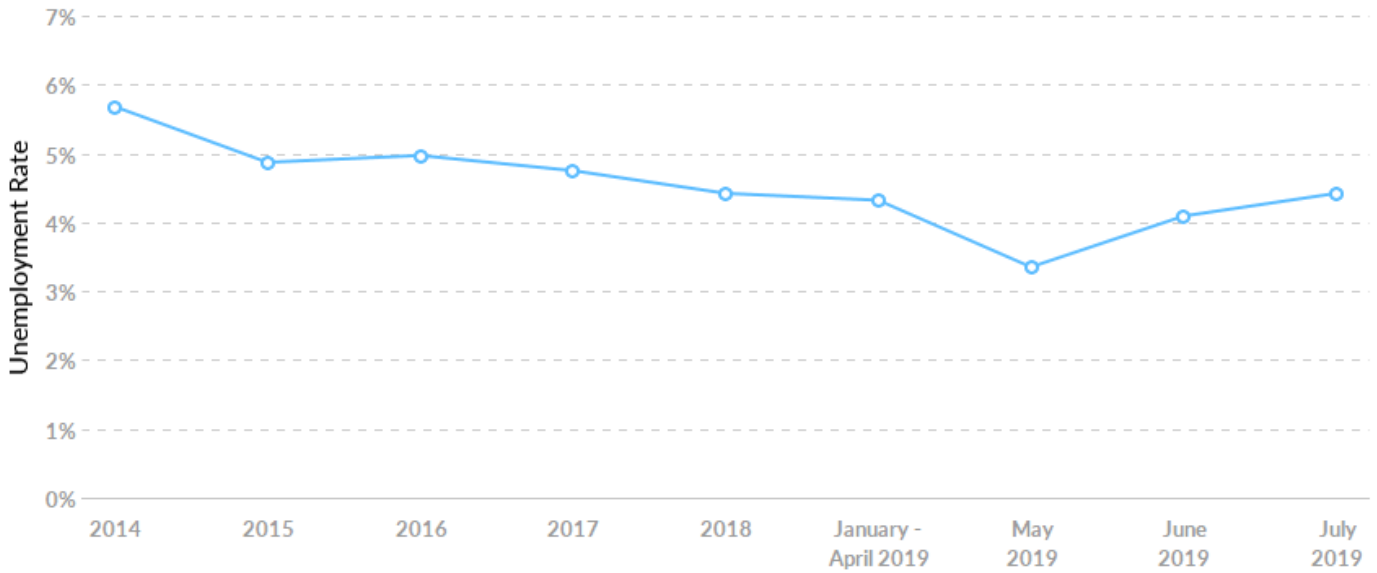
Labor Force Participation Rate Trends



Timeframe	Labor Force Participation Rate
2014	60.56%
2015	60.31%
2016	60.54%
2017	60.59%
2018	60.11%
January - April 2019	60.40%
May 2019	60.10%
June 2019	61.02%
July 2019	61.54%

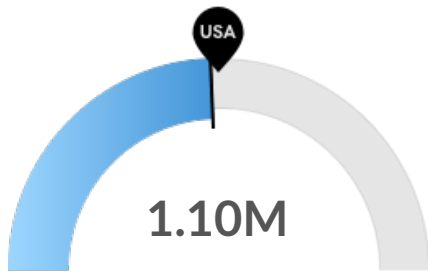
Unemployment Rate Trends

Your areas had a July 2019 unemployment rate of 4.42%, **decreasing from 5.68%** 5 years before.



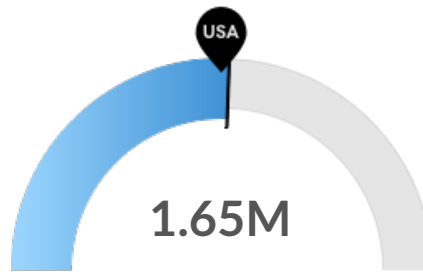
Timeframe	Unemployment Rate
2014	5.68%
2015	4.87%
2016	4.97%
2017	4.75%
2018	4.42%
January - April 2019	4.32%
May 2019	3.35%
June 2019	4.09%
July 2019	4.42%

Population Characteristics



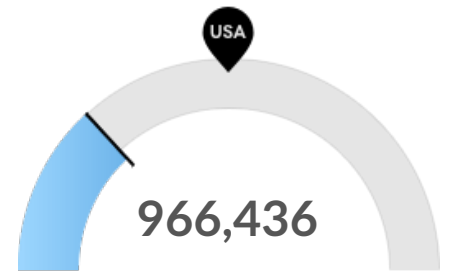
Millennials

Your area has 1,096,044 millennials (ages 25-39). The national average for an area this size is 1,136,922.



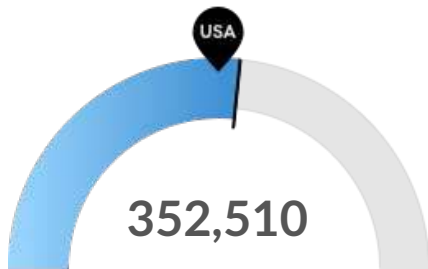
Retiring Soon

Retirement risk is about average in your area. The national average for an area this size is 1,600,783 people 55 or older, while there are 1,654,398 here.



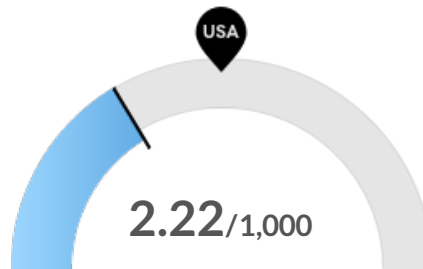
Racial Diversity

Racial diversity is low in your area. The national average for an area this size is 2,190,990 racially diverse people, while there are 966,436 here.



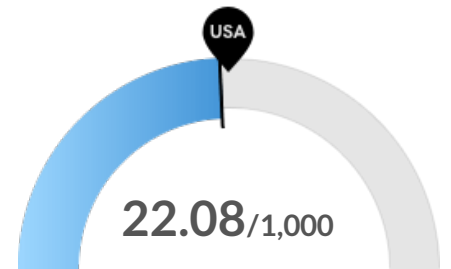
Veterans

Your area has 352,510 veterans. The national average for an area this size is 321,003.



Violent Crime

Your area has 2.22 violent crimes per 1,000 people. The national rate is 3.87 per 1,000 people.

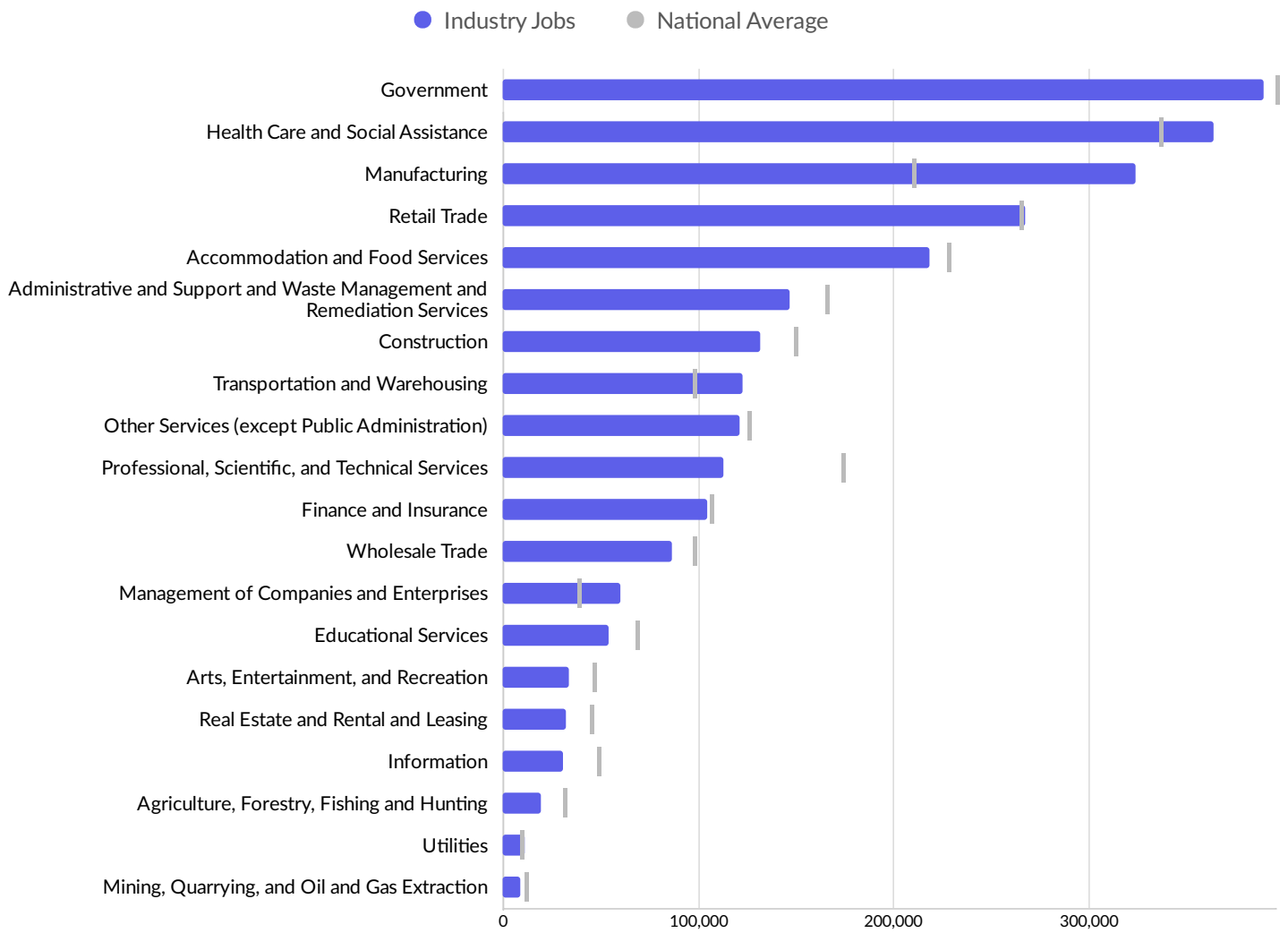


Property Crime

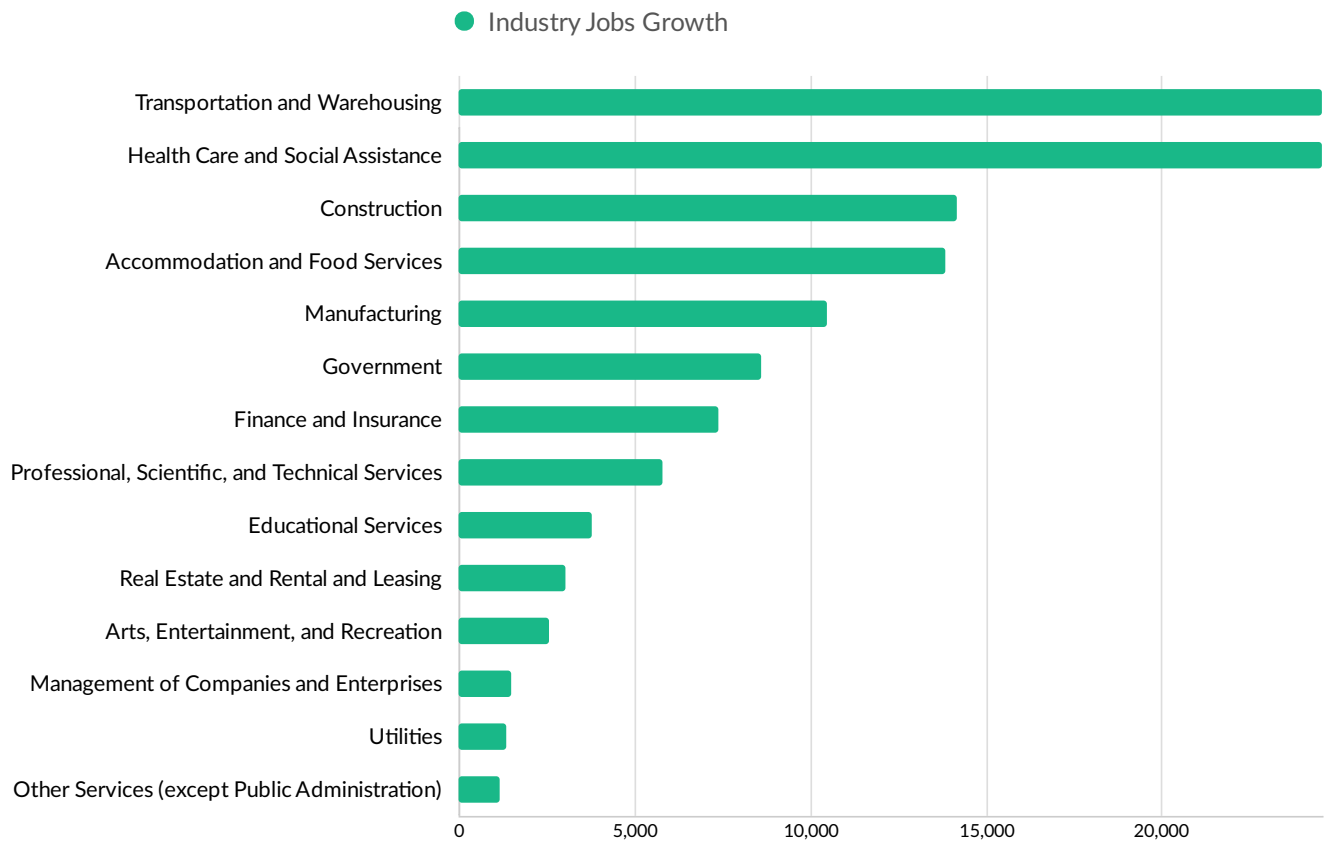
Your area has 22.08 property crimes per 1,000 people. The national rate is 22.98 per 1,000 people.

Industry Characteristics

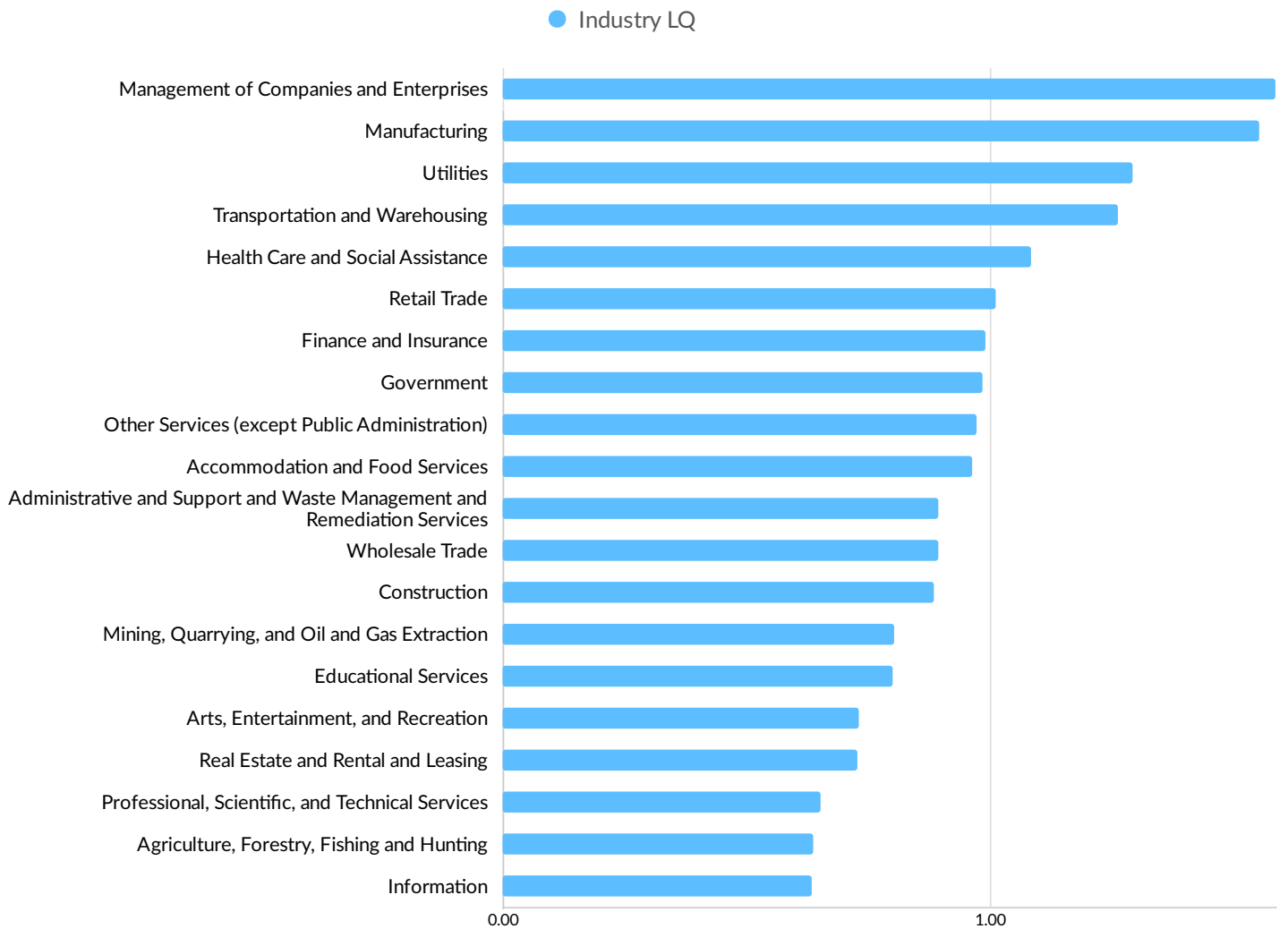
Largest Industries



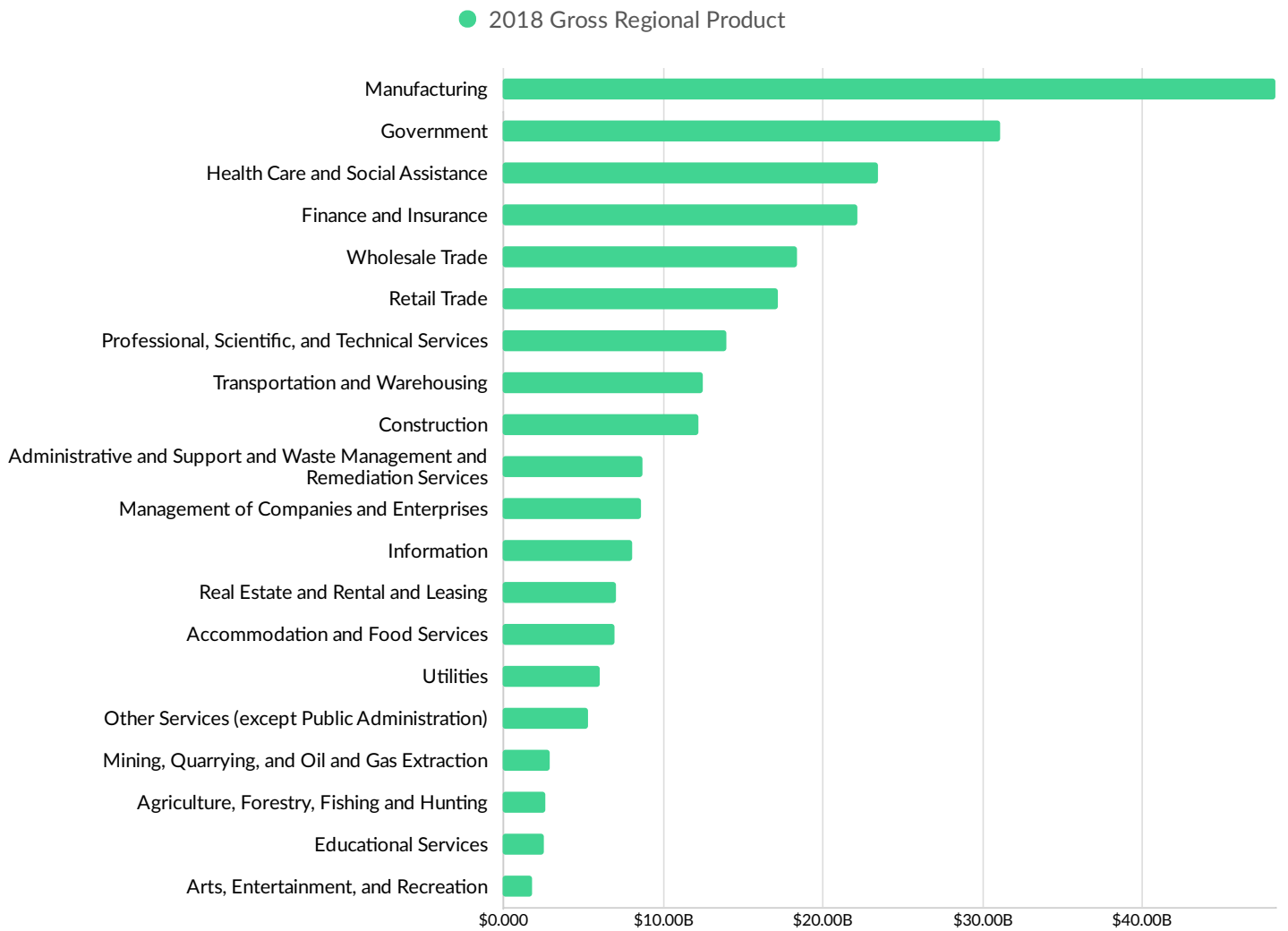
Top Growing Industries



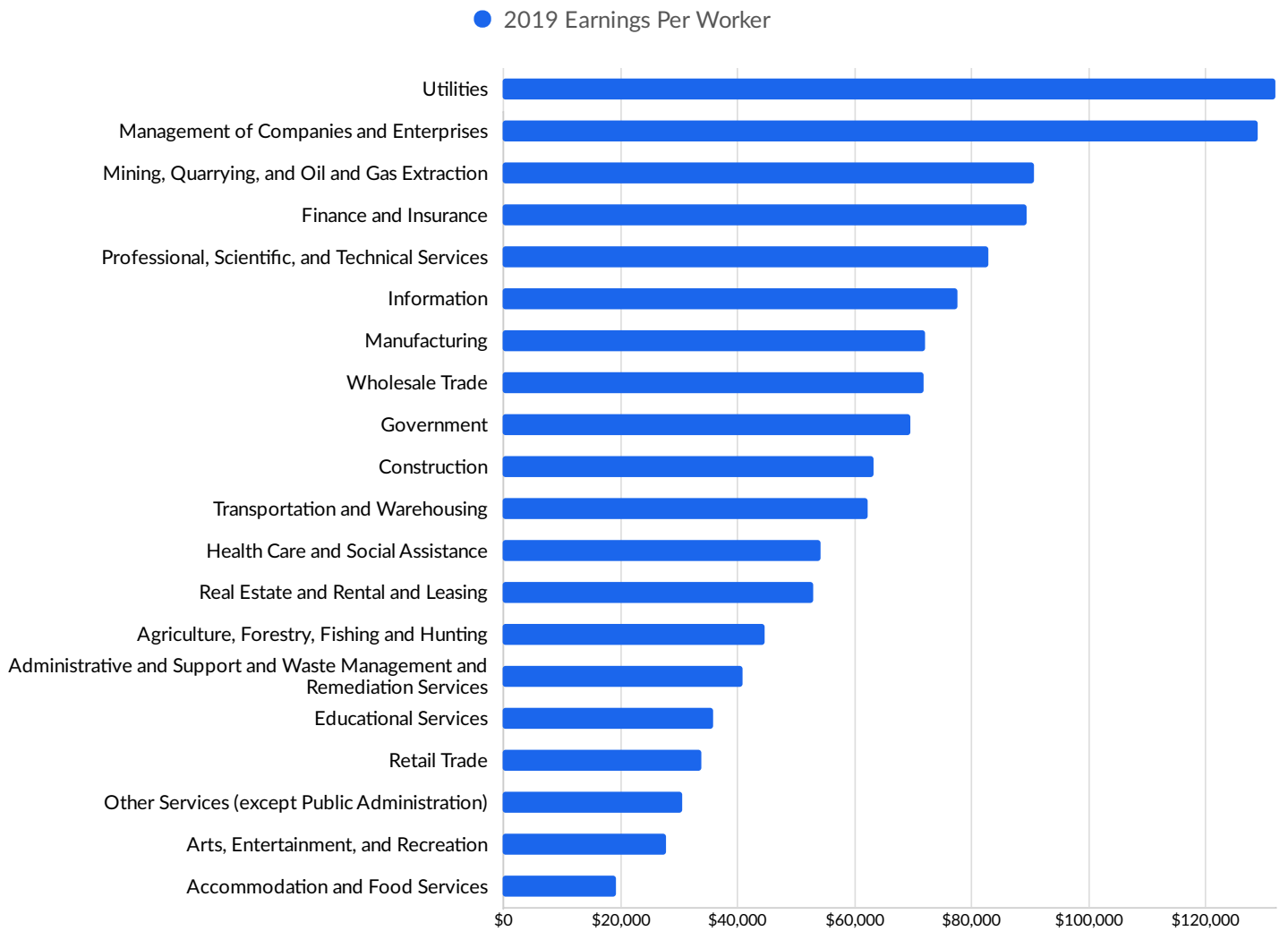
Top Industry LQ



Top Industry GRP



Top Industry Earnings







Industry	2014 Jobs	2019 Jobs	Change in Jobs	% Change in Jobs	2019 LQ	2019 Earnings Per Worker	2018 GRP
Government	381,285	389,893	8,608	+2%	0.98	\$69,742	\$31.11B
Health Care and Social Assistance	339,440	364,000	24,560	+7%	1.08	\$54,407	\$23.52B
Manufacturing	314,131	324,630	10,499	+3%	1.55	\$72,046	\$48.38B
Retail Trade	271,881	268,085	-3,796	-1%	1.01	\$33,952	\$17.20B
Accommodation and Food Services	204,815	218,672	13,857	+7%	0.96	\$19,437	\$7.00B
Administrative and Support and Waste Management and Remediation Services	147,380	147,363	-17	0%	0.89	\$41,064	\$8.80B
Construction	117,489	131,690	14,201	+12%	0.88	\$63,431	\$12.25B
Transportation and Warehousing	98,466	123,036	24,570	+25%	1.26	\$62,338	\$12.51B
Other Services (except Public Administration)	120,576	121,761	1,185	+1%	0.97	\$30,763	\$5.31B
Professional, Scientific, and Technical Services	107,578	113,360	5,782	+5%	0.65	\$82,950	\$14.00B
Finance and Insurance	97,474	104,864	7,390	+8%	0.99	\$89,558	\$22.24B
Wholesale Trade	86,686	86,605	-81	0%	0.89	\$71,823	\$18.45B
Management of Companies and Enterprises	58,837	60,344	1,507	+3%	1.58	\$128,962	\$8.71B
Educational Services	50,720	54,502	3,782	+7%	0.80	\$35,835	\$2.55B
Arts, Entertainment, and Recreation	31,070	33,628	2,558	+8%	0.73	\$27,982	\$1.83B
Real Estate and Rental and Leasing	29,489	32,530	3,041	+10%	0.73	\$53,138	\$7.09B
Information	31,432	30,633	-799	-3%	0.64	\$77,778	\$8.10B
Agriculture, Forestry, Fishing and Hunting	20,497	19,528	-969	-5%	0.64	\$44,862	\$2.71B
Utilities	10,270	11,624	1,354	+13%	1.29	\$132,020	\$6.11B
Mining, Quarrying, and Oil and Gas Extraction	10,700	8,982	-1,718	-16%	0.80	\$90,884	\$2.96B

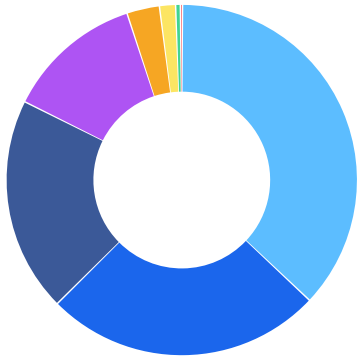
Business Characteristics

239,993 Companies Employ Your Workers

Online profiles for your workers mention 239,993 companies as employers, with the top 10 appearing below. In the last 12 months, 48,446 companies in your area posted job postings, with the top 10 appearing below.

Top Companies	Profiles	Top Companies Posting	Unique Postings
The Ohio State University	24,412 	CRST International, Inc.	34,143 
JPMorgan Chase & Co.	17,226 	Hogan Transports Inc	24,290 
Nationwide Mutual Insurance C...	12,407 	HealthCare Employment Netwo...	16,589 
Wal-Mart Stores, Inc.	7,312 	Teach For America, Inc.	9,696 
Nationwide Children's Hospital	5,946 	U.S. Xpress, Inc.	9,524 
State of Ohio	5,924 	Dollar General Corporation	9,271 
Ohiohealth Corporation	5,878 	J.B. Hunt Transport Services, Inc.	8,922 
Cardinal Health, Inc.	5,354 	Ohiohealth Corporation	7,724 
Huntington Bancshares Incorpor...	4,857 	Assurance	7,707 
The Kroger Co	4,758 	Blair Logistics, Inc.	7,587 

Business Size

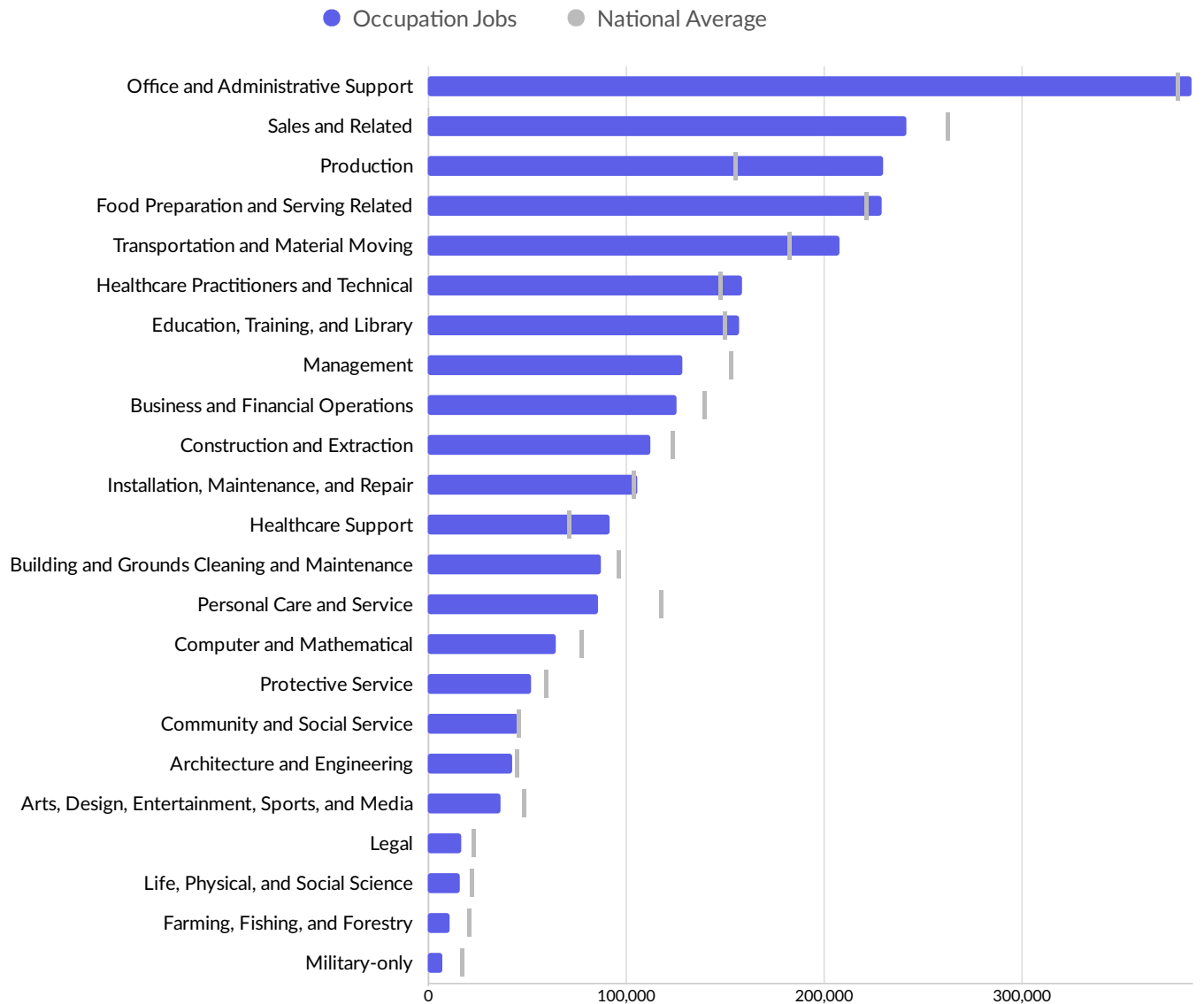


	Percentage	Business Count
1 to 4 employees	36.9%	64,101
5 to 9 employees	25.5%	44,308
10 to 19 employees	19.8%	34,353
20 to 49 employees	12.6%	21,832
50 to 99 employees	3.0%	5,227
100 to 249 employees	1.5%	2,565
250 to 499 employees	0.4%	750
500+ employees	0.2%	346

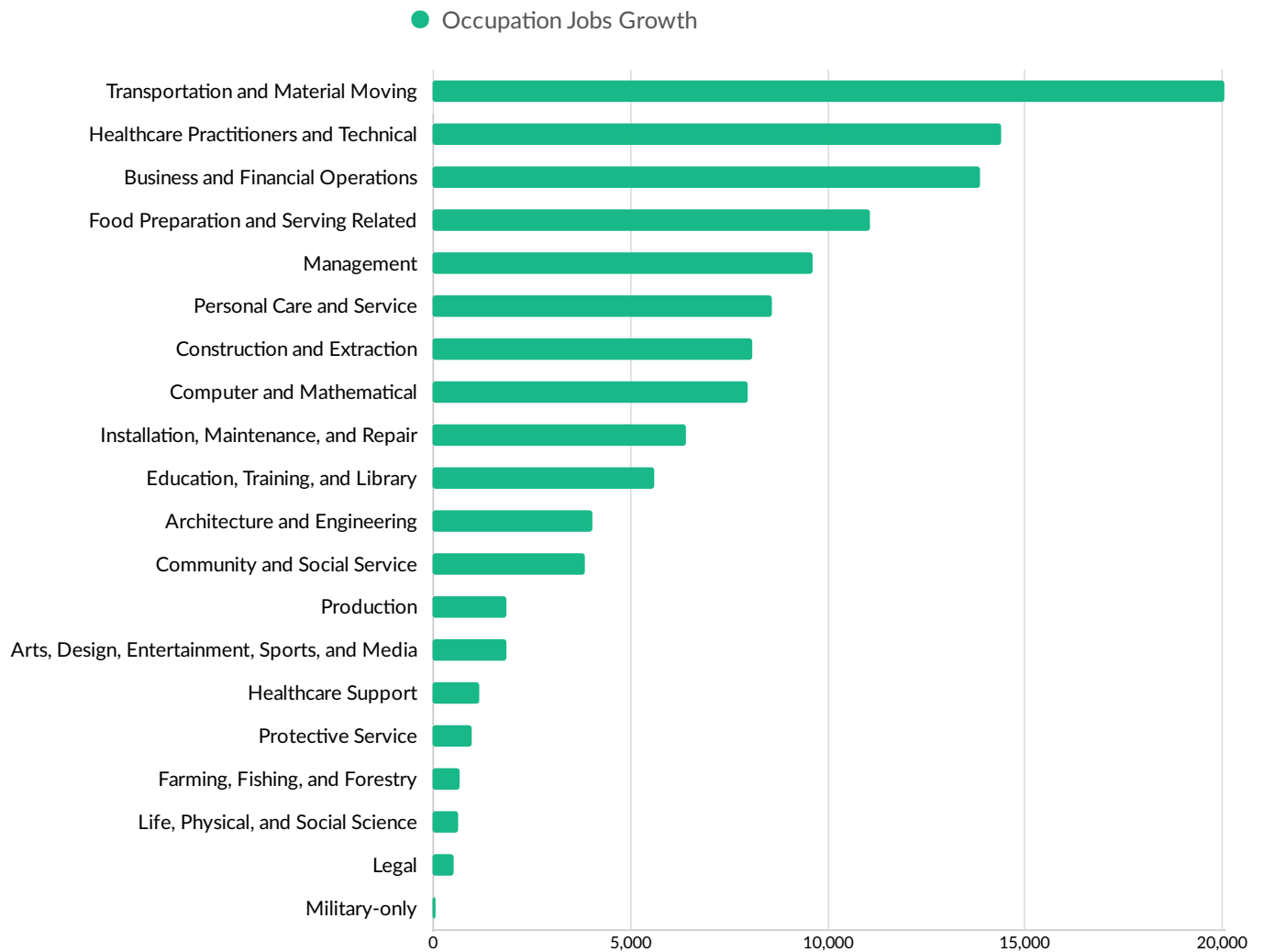
*Business Data by DatabaseUSA.com is third-party data provided by Emsi to its customers as a convenience, and Emsi does not endorse or warrant its accuracy or consistency with other published Emsi data. In most cases, the Business Count will not match total companies with profiles on the summary tab.

Workforce Characteristics

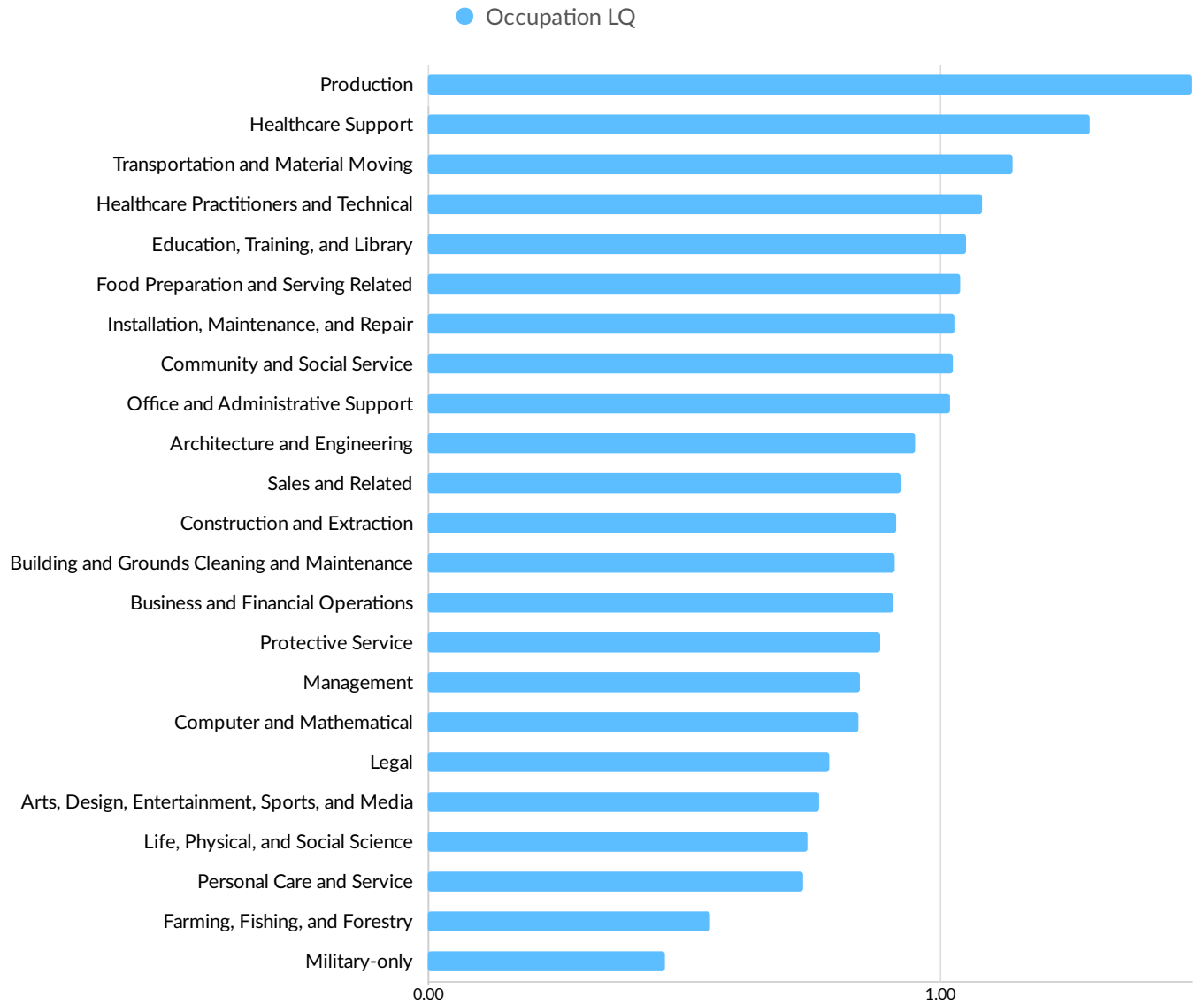
Largest Occupations



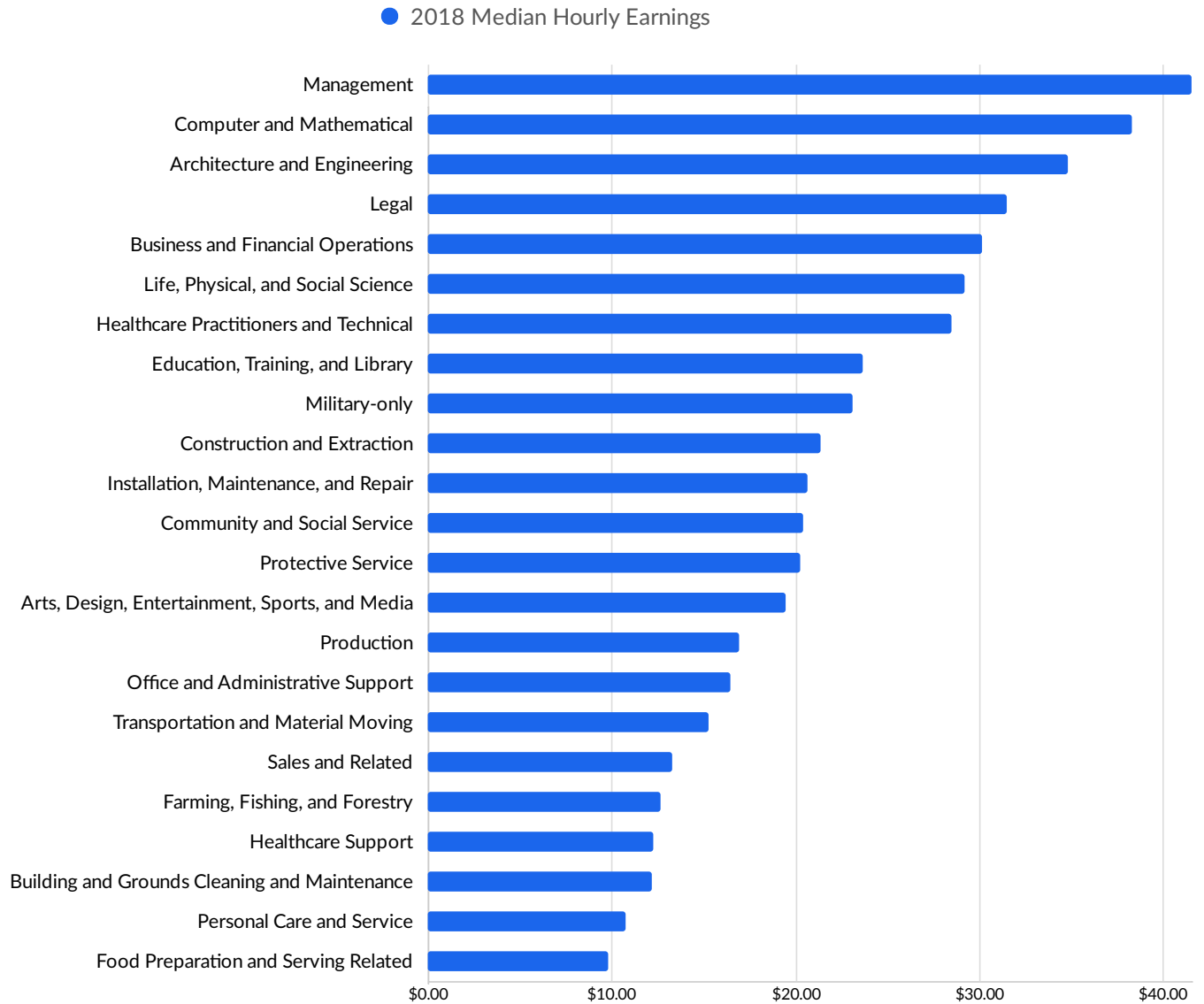
Top Growing Occupations



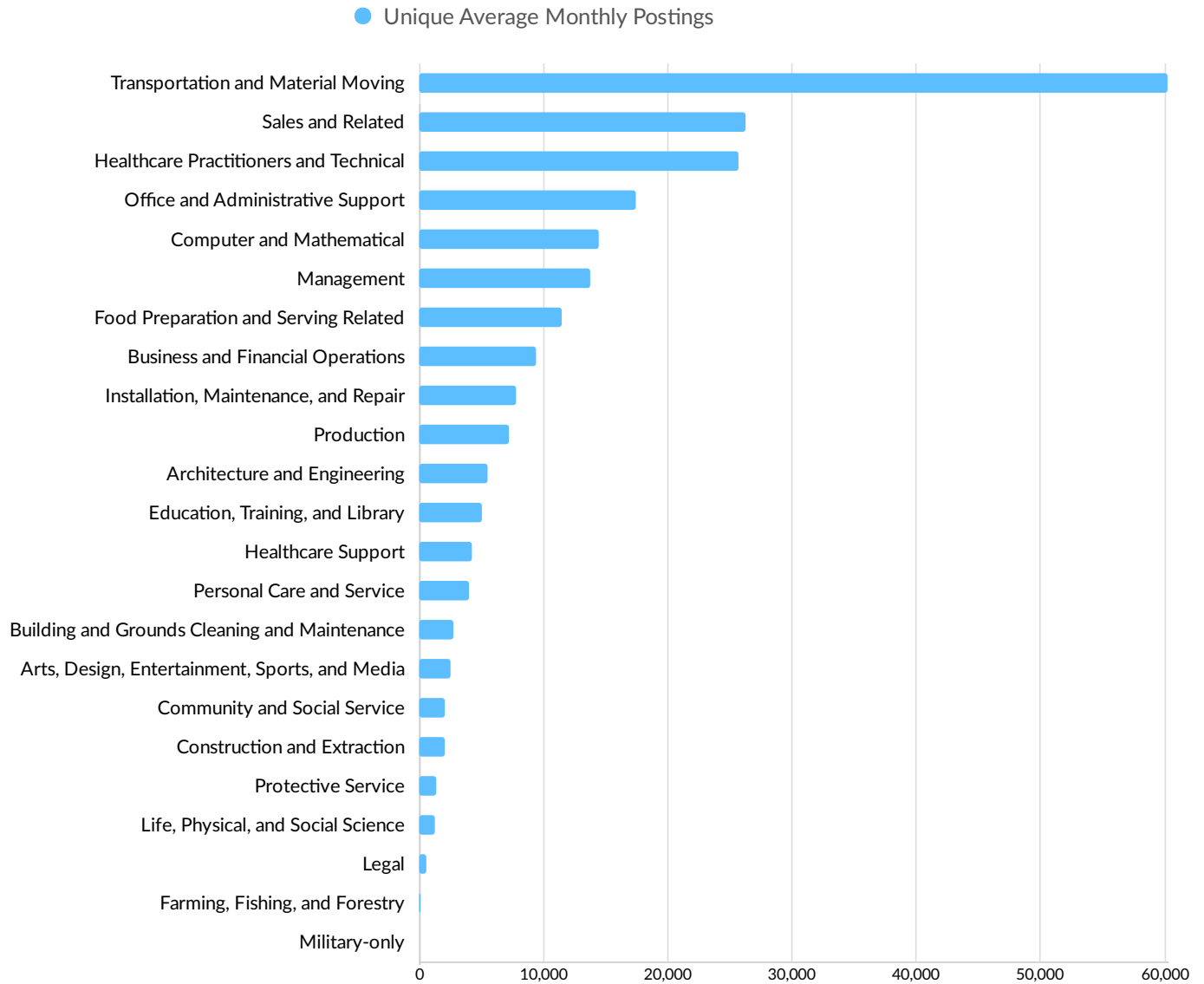
Top Occupation LQ



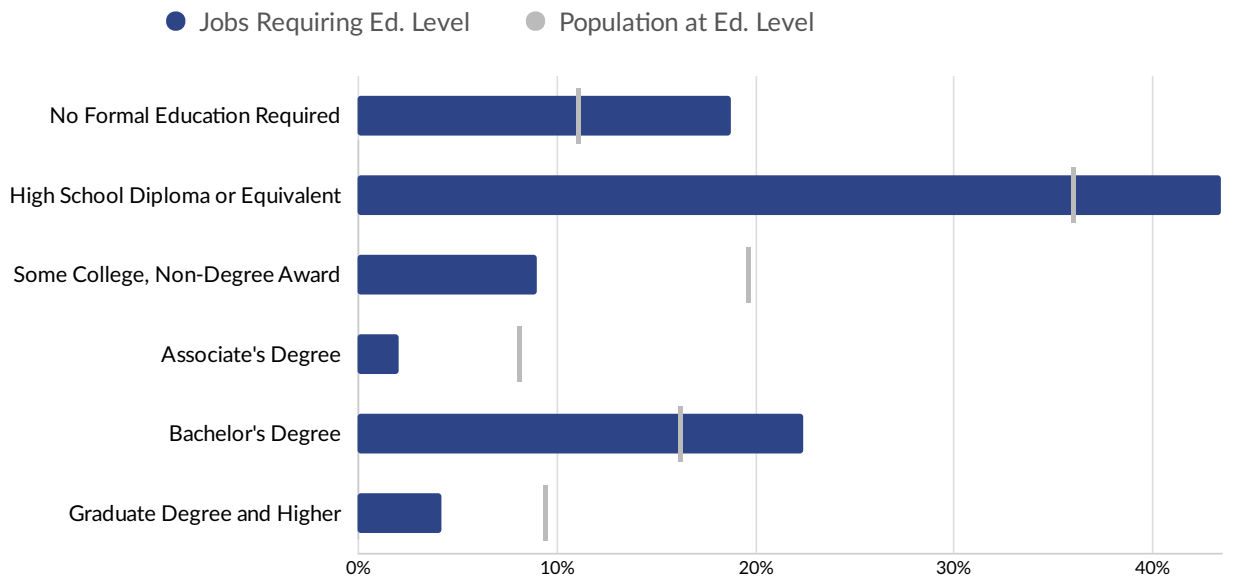
Top Occupation Earnings



Top Posted Occupations



Underemployment

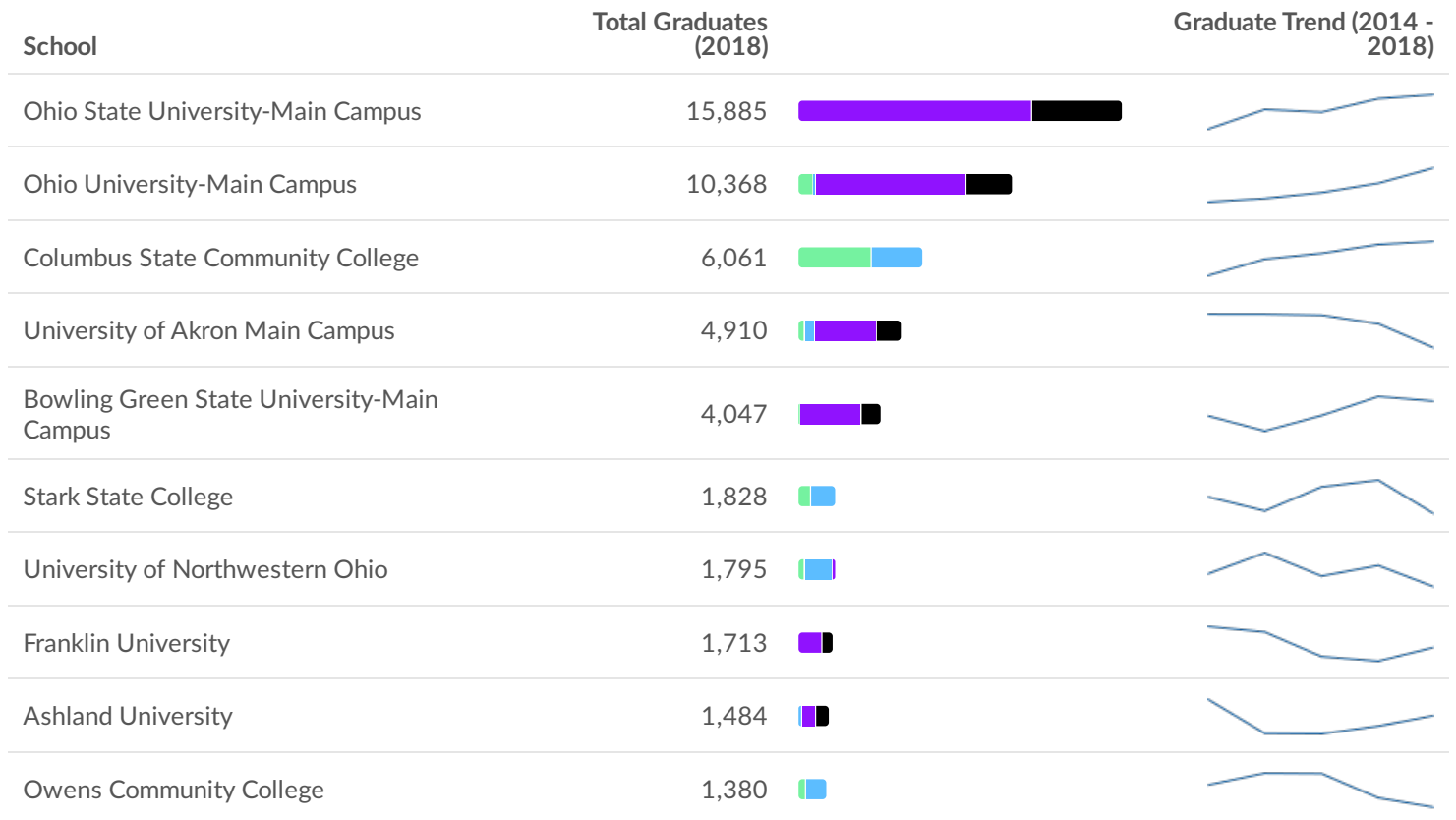


Occupation	2014 Jobs	2019 Jobs	Change in Jobs	% Change in Jobs	2019 LQ	2018 Median Hourly Earnings	Nov 2018 - Oct 2019 Unique Average Monthly Postings
Office and Administrative Support	387,924	386,290	-1,634	0%	1.02	\$16.50	17,427
Sales and Related	246,699	242,438	-4,261	-2%	0.93	\$13.27	26,286
Production	228,408	230,279	1,871	+1%	1.49	\$16.92	7,285
Food Preparation and Serving Related	218,532	229,610	11,078	+5%	1.04	\$9.78	11,500
Transportation and Material Moving	187,807	207,872	20,065	+11%	1.14	\$15.29	60,281
Healthcare Practitioners and Technical	144,729	159,120	14,391	+10%	1.08	\$28.52	25,738
Education, Training, and Library	151,787	157,395	5,608	+4%	1.05	\$23.71	5,008
Management	119,458	129,076	9,618	+8%	0.85	\$41.57	13,731
Business and Financial Operations	112,326	126,182	13,856	+12%	0.91	\$30.20	9,368
Construction and Extraction	104,463	112,582	8,119	+8%	0.92	\$21.34	2,050
Installation, Maintenance, and Repair	99,867	106,281	6,414	+6%	1.03	\$20.67	7,763
Healthcare Support	90,676	91,875	1,199	+1%	1.29	\$12.30	4,279
Building and Grounds Cleaning and Maintenance	88,056	87,641	-415	0%	0.91	\$12.23	2,725
Personal Care and Service	77,368	85,976	8,608	+11%	0.73	\$10.77	4,043
Computer and Mathematical	56,746	64,719	7,973	+14%	0.84	\$38.29	14,515
Protective Service	51,134	52,123	989	+2%	0.88	\$20.26	1,368
Community and Social Service	41,962	45,820	3,858	+9%	1.03	\$20.43	2,122
Architecture and Engineering	38,256	42,310	4,054	+11%	0.95	\$34.81	5,564

Occupation	2014 Jobs	2019 Jobs	Change in Jobs	% Change in Jobs	2019 LQ	2018 Median Hourly Earnings	Nov 2018 - Oct 2019 Unique Average Monthly Postings
Arts, Design, Entertainment, Sports, and Media	35,011	36,881	1,870	+5%	0.77	\$19.48	2,513
Legal	16,718	17,243	525	+3%	0.79	\$31.54	606
Life, Physical, and Social Science	15,228	15,882	654	+4%	0.74	\$29.18	1,280
Farming, Fishing, and Forestry	10,201	10,873	672	+7%	0.55	\$12.70	136
Military-only	7,284	7,370	86	+1%	0.46	\$23.09	30

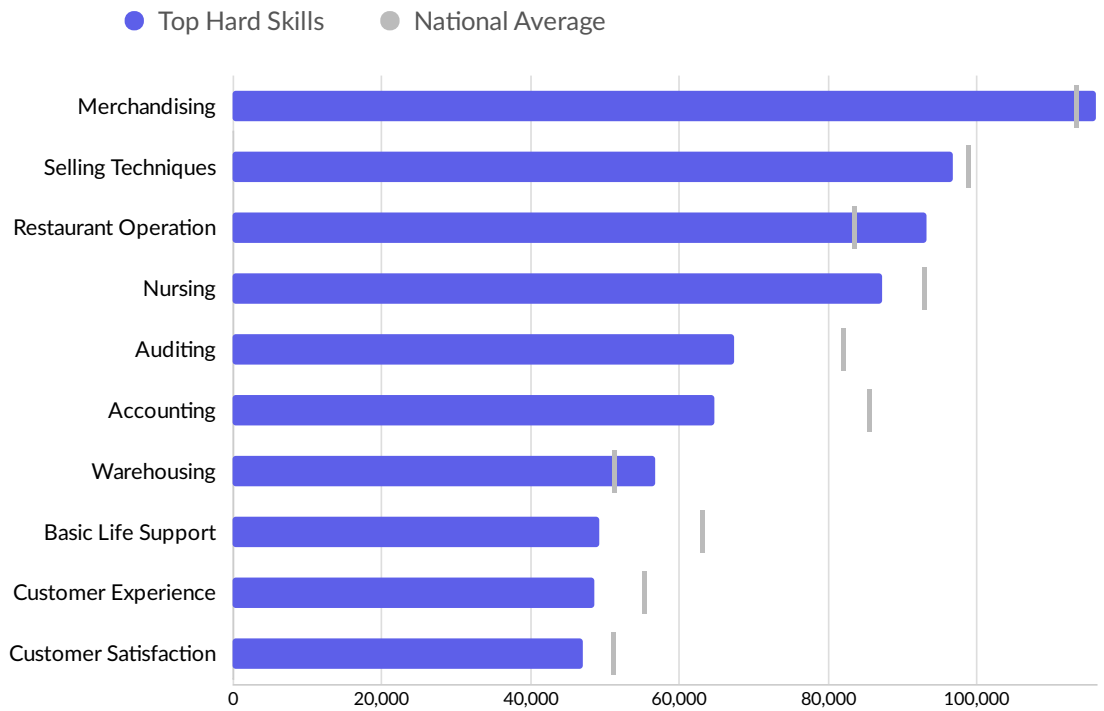
Educational Pipeline

In 2018, there were 81,413 graduates in AEP Ohio-Served Counties. This pipeline has remained stable (neither grown nor shrunk) over the last 5 years. The highest share of these graduates come from Registered Nursing/Registered Nurse, Registered Nursing/Registered Nurse, and Liberal Arts and Sciences/Liberal Studies.



● Certificate
 ● Associate's
 ● Bachelor's
 ● Master's or Higher

In-Demand Skills



Appendix A (Geographies)

Code	Description
39001	Adams County, OH
39003	Allen County, OH
39005	Ashland County, OH
39009	Athens County, OH
39011	Auglaize County, OH
39013	Belmont County, OH
39015	Brown County, OH
39019	Carroll County, OH
39029	Columbiana County, OH
39031	Coshocton County, OH
39033	Crawford County, OH
39037	Darke County, OH

Code	Description
39039	Defiance County, OH
39041	Delaware County, OH
39045	Fairfield County, OH
39047	Fayette County, OH
39049	Franklin County, OH
39053	Gallia County, OH
39059	Guernsey County, OH
39063	Hancock County, OH
39065	Hardin County, OH
39067	Harrison County, OH
39069	Henry County, OH
39071	Highland County, OH

Code	Description
39073	Hocking County, OH
39075	Holmes County, OH
39077	Huron County, OH
39079	Jackson County, OH
39081	Jefferson County, OH
39083	Knox County, OH
39087	Lawrence County, OH
39089	Licking County, OH
39091	Logan County, OH
39097	Madison County, OH
39101	Marion County, OH
39105	Meigs County, OH

Code	Description
39111	Monroe County, OH
39115	Morgan County, OH
39117	Morrow County, OH
39119	Muskingum County, OH
39121	Noble County, OH
39125	Paulding County, OH
39127	Perry County, OH
39129	Pickaway County, OH
39131	Pike County, OH
39137	Putnam County, OH
39139	Richland County, OH
39141	Ross County, OH

Code	Description
39143	Sandusky County, OH
39145	Scioto County, OH
39147	Seneca County, OH
39151	Stark County, OH
39153	Summit County, OH
39157	Tuscarawas County, OH
39159	Union County, OH

Code	Description
39161	Van Wert County, OH
39163	Vinton County, OH
39167	Washington County, OH
39169	Wayne County, OH
39173	Wood County, OH
39175	Wyandot County, OH